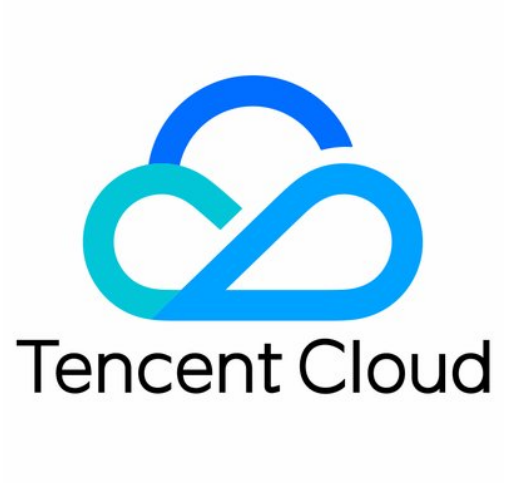
TencentDB for MySQL

API Documentation

Product Documentation



©2013-2022 Tencent Cloud. All rights reserved.

Copyright Notice

©2013-2024 Tencent Cloud. All rights reserved.

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

Trademark Notice

Tencent Cloud

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

Service Statement

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

Contents

- API Documentation
  - History
  - Introduction
  - API Category
  - Making API Requests
    - Request Structure
    - Common Params
    - Signature
    - Signature v3
    - Responses
  - Instance APIs
    - StopCpuExpand
    - StartCpuExpand
    - DescribeCpuExpandStrategy
    - AddTimeWindow
    - BalanceRoGroupLoad
    - CloseWanService
    - CreateDBInstance
    - CreateDBInstanceHour
    - CreateRoInstanceIp
    - DeleteTimeWindow
    - DescribeCdbZoneConfig
    - DescribeDBFeatures
    - DescribeDBInstanceCharset
    - DescribeDBInstanceConfig
    - DescribeDBInstanceGTID
    - DescribeDBInstanceInfo
    - DescribeDBInstanceRebootTime
    - DescribeDBSwitchRecords
    - DescribeRoGroups
    - DescribeRoMinScale
    - DescribeTagsOfInstanceIds
    - DescribeTimeWindow
    - InitDBInstances
    - IsolateDBInstance

©2013-2022 Tencent Cloud. All rights reserved.

- ModifyAutoRenewFlag
- ModifyDBInstanceName
- ModifyDBInstanceProject
- ModifyDBInstanceVipVport
- ModifyInstanceTag
- ModifyRoGroupInfo
- ModifyTimeWindow
- OfflineIsolatedInstances
- OpenDBInstanceEncryption
- OpenDBInstanceGTID
- OpenWanService
- ReleaseIsolatedDBInstances
- RenewDBInstance
- RestartDBInstances
- StartReplication
- StopReplication
- SwitchDBInstanceMasterSlave
- SwitchDrInstanceToMaster
- SwitchForUpgrade
- UpgradeDBInstance
- UpgradeDBInstanceEngineVersion
- DescribeDBInstances
- DescribeDBZoneConfig
- CreateDeployGroup
- DeleteDeployGroups
- DescribeDeployGroupList
- ModifyNameOrDescByDpId

Data Import APIs

- CreateDBImportJob
- DescribeDBImportRecords
- StopDBImportJob

Database Proxy APIs

- AdjustCdbProxy
- AdjustCdbProxyAddress
- CloseCdbProxyAddress
- CreateCdbProxy
- CreateCdbProxyAddress
- DescribeCdbProxyInfo

©2013-2022 Tencent Cloud. All rights reserved.

- DescribeProxySupportParam
- ModifyCdbProxyAddressDesc
- ModifyCdbProxyAddressVipAndVPort
- ModifyCdbProxyParam
- CloseCDBProxy
- DescribeProxyCustomConf
- ReloadBalanceProxyNode
- SwitchCDBProxy
- UpgradeCDBProxyVersion

Database Audit APIs

- DescribeAuditLogs
- OpenAuditService
- DescribeAuditRules
- CreateAuditPolicy
- DescribeAuditPolicies
- AnalyzeAuditLogs

Security APIs

- AssociateSecurityGroups
- DescribeDBSecurityGroups
- DescribeProjectSecurityGroups
- DisassociateSecurityGroups
- ModifyDBInstanceSecurityGroups

Task APIs

- DescribeAsyncRequestInfo
- DescribeTasks

Account APIs

- CreateAccounts
- DeleteAccounts
- DescribeAccountPrivileges
- DescribeAccounts
- DescribeSupportedPrivileges
- ModifyAccountDescription
- ModifyAccountMaxUserConnections
- ModifyAccountPassword
- ModifyAccountPrivileges
- ResetRootAccount

Backup APIs

- DescribeBackupDecryptionKey

©2013-2022 Tencent Cloud. All rights reserved.

- CreateBackup
- DeleteBackup
- DescribeBackupDownloadRestriction
- DescribeBackupEncryptionStatus
- DescribeBackupOverview
- DescribeBackupSummaries
- DescribeBinlogBackupOverview
- DescribeDataBackupOverview
- DescribeLocalBinlogConfig
- DescribeRemoteBackupConfig
- DescribeSlowLogs
- ModifyBackupDownloadRestriction
- ModifyBackupEncryptionStatus
- ModifyLocalBinlogConfig
- ModifyRemoteBackupConfig
- DescribeBackups
- DescribeBackupConfig
- ModifyBackupConfig
- DescribeBinlogs

Rollback APIs

- CreateCloneInstance
- DescribeRollbackTaskDetail
- StartBatchRollback
- StopRollback
- DescribeCloneList
- DescribeRollbackRangeTime

Parameter APIs

- CreateParamTemplate
- DeleteParamTemplate
- DescribeInstanceParamRecords
- DescribeInstanceParams
- DescribeParamTemplateInfo
- DescribeParamTemplates
- ModifyInstanceParam
- ModifyInstancePasswordComplexity
- ModifyParamTemplate
- DescribeDefaultParams

Database APIs

©2013-2022 Tencent Cloud. All rights reserved.

- CreateDatabase
- DescribeDatabases
- DescribeTables

Monitoring APIs

- DescribeDeviceMonitorInfo

Log-related API

- DescribeDBInstanceLogToCLS
- ModifyDBInstanceLogToCLS
- DescribeErrorLogData
- DescribeSlowLogData

Data Types

Error Codes

©2013-2022 Tencent Cloud. All rights reserved.

API Documentation History

Last updated：2024-01-30 10:25:36

Release 49

Release time: 2024-01-30 10:25:14

Release updates:

Improvement to existing documentation.

Modified data structures:

- RemoteBackupInfo
  - **Modified members:** SubBackupId

Release 48

Release time: 2023-12-01 15:39:07

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeDBInstanceLogToCLS
- ModifyDBInstanceLogToCLS

Modified APIs:

- OpenAuditService
  - New input parameters:AuditAll
- StartCpuExpand
  - New input parameters:InstanceId, Type, ExpandCpu, AutoStrategy

New data structures:

- AutoStrategy
- LogRuleTemplateInfo

©2013-2022 Tencent Cloud. All rights reserved.

- LogToCLSConfig

Modified data structures:

- AuditLog
  - New members:TemplateInfo
- ParamRecord
  - New members:IsSuccess
  - **Deprecate members:** IsSucess

Release 47

Release time: 2023-10-13 09:47:47

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeCpuExpandStrategy
- StartCpuExpand
- StopCpuExpand

Release 46

Release time: 2023-08-10 15:49:41

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeAuditLogs

Deleted APIs:

- DescribeCDBProxy
- DescribeProxyConnectionPoolConf
- ModifyCDBProxyConnectionPool
- ModifyCDBProxyDesc

©2013-2022 Tencent Cloud. All rights reserved.

- ModifyCDBProxyVipVPort
- QueryCDBProxy

Modified APIs:

- AnalyzeAuditLogs
  - New input parameters:LogFilter

New data structures:

- AuditLog
- InstanceAuditLogFilters

Deleted data structures:

- Address
- BaseGroupInfo
- ConnectionPoolInfo
- PoolConf
- ProxyGroup
- ProxyGroups
- ProxyNodeInfo
- RWInfo
- RWInfos
- RWInstanceInfo

Release 45

Release time: 2023-07-19 15:11:38

Release updates:

Improvement to existing documentation.

New APIs:

- CreateDatabase

Modified data structures:

- ProxyInst
  - **Modified members:** InstanceType

©2013-2022 Tencent Cloud. All rights reserved.

Release 44

Release time: 2023-06-21 09:49:53

Release updates:

Improvement to existing documentation.

New APIs:

- AdjustCdbProxy
- AdjustCdbProxyAddress
- CloseCdbProxyAddress
- CreateCdbProxy
- CreateCdbProxyAddress
- DescribeBackupDecryptionKey
- DescribeCdbProxyInfo
- DescribeProxySupportParam
- ModifyCdbProxyAddressDesc
- ModifyCdbProxyAddressVipAndVPort
- ModifyCdbProxyParam

Modified APIs:

- DescribeBinlogs
  - New input parameters:MinStartTime, MaxStartTime
- DescribeParamTemplateInfo
  - New output parameters:EngineType
- DescribeRollbackRangeTime
  - New input parameters:IsRemoteZone, BackupRegion
- OpenAuditService
  - New input parameters:AuditRuleFilters, RuleTemplateIds

New data structures:

- AuditRuleFilters
- ProxyAddress
- ProxyAllocation
- ProxyGroupInfo
- ProxyInst
- ProxyNode

©2013-2022 Tencent Cloud. All rights reserved.

- ProxyNodeCustom
- RuleFilters

Modified data structures:

- AuditLogFilter
  - New members:ThreadId, SentRows, ErrCode
- Inbound
  - New members:AddressModule
- Outbound
  - New members:AddressModule
- ParamTemplateInfo
  - New members:EngineType
- ParameterDetail
  - New members:IsNotSupportEdit

Release 43

Release time: 2023-04-20 14:34:36

Release updates:

Improvement to existing documentation.

Deprecated APIs:

- DescribeCDBProxy
- DescribeProxyConnectionPoolConf
- ModifyCDBProxyConnectionPool
- ModifyCDBProxyDesc
- ModifyCDBProxyVipVPort
- QueryCDBProxy

Modified APIs:

- UpgradeDBInstance
  - New input parameters:RoTransType

Release 42

©2013-2022 Tencent Cloud. All rights reserved.

Release time: 2023-04-04 16:31:02

Release updates:

Improvement to existing documentation.

Modified APIs:

- DescribeDBInstances
  - New input parameters:EngineTypes
- DescribeDefaultParams
  - New input parameters:EngineType

Modified data structures:

- InstanceInfo
  - New members:DiskType

Release 41

Release time: 2023-04-04 16:27:39

Release updates:

Improvement to existing documentation.

New APIs:

- AnalyzeAuditLogs

New data structures:

- AggregationCondition
- AuditLogAggregationResult
- AuditLogFilter
- Bucket

Release 40

Release time: 2023-03-23 17:41:28

Release updates:

Improvement to existing documentation.

©2013-2022 Tencent Cloud. All rights reserved.

Deprecated APIs:

- InitDBInstances

Modified data structures:

- CloneItem
  - New members:NewRegionId, SrcRegionId

Release 39

Release time: 2023-02-24 15:41:50

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeBackupEncryptionStatus
- ModifyBackupEncryptionStatus
- OpenDBInstanceEncryption

Deleted APIs:

- UpgradeCDBProxy

Release 38

Release time: 2023-02-15 16:31:32

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeDBFeatures

Release 37

Release time: 2023-02-03 15:38:03

©2013-2022 Tencent Cloud. All rights reserved.

Release updates:

Improvement to existing documentation.

New APIs:

- CreateDBInstance
- RenewDBInstance

Modified APIs:

- DescribeDBInstances
  - New input parameters:ProxyVips, ProxyIds

Modified data structures:

- CommonTimeWindow
  - New members:BackupPeriodStrategy, Days, BackupPeriodTime

Release 36

Release time: 2023-01-03 15:54:50

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeRemoteBackupConfig
- ModifyRemoteBackupConfig

Modified APIs:

- DescribeBackupConfig
  - New output parameters:EnableBackupStandby, BackupStandbyDays, EnableBinlogStandby, BinlogStandbyDays
- DescribeBackupOverview
  - New output parameters:BackupStandbyVolume
- DescribeBinlogBackupOverview
  - New output parameters:BinlogStandbyVolume, BinlogStandbyCount
- DescribeDataBackupOverview
  - New output parameters:DataBackupStandbyVolume, DataBackupStandbyCount

©2013-2022 Tencent Cloud. All rights reserved.

- ModifyBackupConfig
  - New input parameters:EnableBackupStandby, BackupStandbyDays, EnableBinlogStandby, BinlogStandbyDays

Release 35

Release time: 2022-12-19 14:58:41

Release updates:

Improvement to existing documentation.

Deleted APIs:

- ApplyCDBProxy
- ModifyCDBProxy

Deleted data structures:

- RoWeight

Modified data structures:

- BackupInfo
  - New members:EncryptionFlag

Release 34

Release time: 2022-11-21 11:19:14

Release updates:

Improvement to existing documentation.

Modified APIs:

- ReloadBalanceProxyNode
  - New input parameters:ProxyAddressId

Release 33

Release time: 2022-10-27 17:04:16

©2013-2022 Tencent Cloud. All rights reserved.

Release updates:

Improvement to existing documentation.

Modified APIs:

- DescribeBackupConfig
  - New output parameters:EnableBackupArchive, BackupArchiveDays, EnableBinlogArchive, BinlogArchiveDays
- DescribeBackupOverview
  - New output parameters:RemoteBackupVolume, BackupArchiveVolume
- DescribeBinlogBackupOverview
  - New output parameters:BinlogArchiveVolume, BinlogArchiveCount
- DescribeDataBackupOverview
  - New output parameters:DataBackupArchiveVolume, DataBackupArchiveCount
- ModifyBackupConfig
  - New input parameters:EnableBackupArchive, BackupArchiveDays, BinlogArchiveDays, EnableBinlogArchive

New data structures:

- RemoteBackupInfo

Modified data structures:

- BackupInfo
  - New members:Region, RemoteInfo, CosStorageType, InstanceId
- BinlogInfo
  - New members:Region, Status, RemoteInfo, CosStorageType, InstanceId

Release 32

Release time: 2022-10-12 16:08:03

Release updates:

Improvement to existing documentation.

Modified APIs:

- ModifyInstanceParam
  - New input parameters:NotSyncRo, NotSyncDr

Release 31

©2013-2022 Tencent Cloud. All rights reserved.

Release time: 2022-10-08 10:47:01

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateParamTemplate
  - New input parameters:EngineType

Release 30

Release time: 2022-09-21 15:42:01

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeCdbZoneConfig

Modified APIs:

- DescribeBinlogBackupOverview
  - New output parameters:RemoteBinlogVolume, RemoteBinlogCount
- DescribeDBPrice
  - New input parameters:DeviceType, InstanceNodes, Cpu, InstanceId, Ladder
  - **Modified input parameters:** Zone, GoodsNum, Memory, Volume, PayType
  - New output parameters:Currency
- DescribeDataBackupOverview
  - New output parameters:RemoteBackupVolume, RemoteBackupCount

New data structures:

- CdbRegionSellConf
- CdbSellConfig
- CdbSellType
- CdbZoneDataResult
- CdbZoneSellConf
- ZoneConf

©2013-2022 Tencent Cloud. All rights reserved.

Modified data structures:

- InstanceInfo
  - New members:EngineType, MaxDelayTime

Release 29

Release time: 2022-09-19 11:50:25

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeDBPrice

Deleted APIs:

- DescribeDBZoneConfig

Modified APIs:

- DescribeParamTemplates
  - New input parameters:EngineTypes, TemplateNames, TemplateIds

Deleted data structures:

- RegionSellConf
- SellConfig
- SellType
- ZoneConf
- ZoneSellConf

Release 28

Release time: 2022-08-17 15:54:33

Release updates:

Improvement to existing documentation.

New APIs:

©2013-2022 Tencent Cloud. All rights reserved.

- CreateAccounts
- DescribeAccounts
- ModifyDBInstanceVipVport
- ModifyInstancePasswordComplexity
- ModifyNameOrDescByDpId

New data structures:

- AccountInfo

Release 27

Release time: 2022-07-18 10:44:49

Release updates:

Improvement to existing documentation.

New APIs:

- OpenAuditService

Release 26

Release time: 2022-06-14 16:43:39

Release updates:

Improvement to existing documentation.

Modified APIs:

- DescribeDBInstances
  - New input parameters:Tags

New data structures:

- Tag

Modified data structures:

- SellConfig
  - New members:EngineType

©2013-2022 Tencent Cloud. All rights reserved.

Release 25

Release time: 2022-05-19 10:38:21

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateDBInstanceHour
  - New input parameters:EngineType

Release 24

Release time: 2022-05-05 15:03:52

Release updates:

Improvement to existing documentation.

Modified APIs:

- DescribeBackupConfig
  - New output parameters:EnableBackupPeriodSave, BackupPeriodSaveDays, BackupPeriodSaveInterval, BackupPeriodSaveCount, StartBackupPeriodSaveDate
- ModifyBackupConfig
  - New input parameters:EnableBackupPeriodSave, EnableBackupPeriodLongTermSave, BackupPeriodSaveDays, BackupPeriodSaveInterval, BackupPeriodSaveCount, StartBackupPeriodSaveDate

Modified data structures:

- BackupInfo
  - New members:SaveMode

Release 23

Release time: 2022-04-26 16:21:26

Release updates:

Improvement to existing documentation.

©2013-2022 Tencent Cloud. All rights reserved.

New APIs:

- DescribeAuditPolicies
- DescribeAuditRules
- ResetRootAccount

Deleted APIs:

- CreateAccounts
- CreateDeployGroup
- DeleteDeployGroups
- DescribeAccounts
- DescribeDeployGroupList
- ModifyDBInstanceVipVport
- ModifyNameOrDescByDpId

Modified APIs:

- AddTimeWindow
  - New input parameters:MaxDelayTime
- CreateCloneInstance
  - New input parameters:ProjectId
- CreateDBInstanceHour
  - New input parameters:Vips
- DescribeDBInstances
  - New input parameters:TagValues, UniqueVpcIds, UniqSubnetIds
- DescribeTimeWindow
  - New output parameters:MaxDelayTime
- ModifyTimeWindow
  - New input parameters:MaxDelayTime

New data structures:

- AuditFilter
- AuditPolicy
- AuditRule

Deleted data structures:

- AccountInfo
- DeployGroupInfo

©2013-2022 Tencent Cloud. All rights reserved.

Release 22

Release time: 2022-02-24 15:04:42

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateDBImportJob
  - New input parameters:CosUrl
  - **Modified input parameters:** FileName
- DescribeDefaultParams
  - New input parameters:TemplateType

Modified data structures:

- ZoneSellConf
  - New members:ExClusterStatus, ExClusterRemoteRoZone, ExClusterZoneConf

Release 21

Release time: 2022-02-15 14:49:26

Release updates:

Improvement to existing documentation.

New APIs:

- ApplyCDBProxy
- CloseCDBProxy
- DescribeCDBProxy
- DescribeLocalBinlogConfig
- DescribeProxyConnectionPoolConf
- DescribeProxyCustomConf
- ModifyCDBProxy
- ModifyCDBProxyConnectionPool
- ModifyCDBProxyDesc
- ModifyCDBProxyVipVPort
- ModifyLocalBinlogConfig

©2013-2022 Tencent Cloud. All rights reserved.

- QueryCDBProxy
- ReloadBalanceProxyNode
- SwitchCDBProxy
- UpgradeCDBProxy
- UpgradeCDBProxyVersion

Modified APIs:

- CreateParamTemplate
  - New input parameters:TemplateType
- DescribeParamTemplateInfo
  - New output parameters:TemplateType

New data structures:

- Address
- BaseGroupInfo
- ConnectionPoolInfo
- CustomConfig
- LocalBinlogConfig
- LocalBinlogConfigDefault
- PoolConf
- ProxyGroup
- ProxyGroups
- ProxyNodeInfo
- RWInfo
- RWInfos
- RWInstanceInfo
- RoWeight
- Rule

Modified data structures:

- ParamTemplateInfo
  - New members:TemplateType
- ParameterDetail
  - New members:MaxFunc, MinFunc

Release 20

©2013-2022 Tencent Cloud. All rights reserved.

Release time: 2022-01-19 11:26:39

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateCloneInstance
  - New input parameters:CageId
- CreateDBInstanceHour
  - New input parameters:ParamTemplateType
- DescribeParamTemplates
  - New input parameters:EngineVersions

Release 19

Release time: 2022-01-07 11:50:21

Release updates:

Improvement to existing documentation.

New APIs:

- StartReplication
- StopReplication

Deleted APIs:

- ModifyRoReplicationDelay
- StartDelayReplication
- StopDelayReplication

Modified APIs:

- ModifyRoGroupInfo
  - New input parameters:ReplicationDelayTime
  - New output parameters:AsyncRequestId
- UpgradeDBInstance
  - New input parameters:CrossCluster, ZoneId

Modified data structures:

©2013-2022 Tencent Cloud. All rights reserved.

- RoGroup
  - New members:DelayReplicationTime
- RoGroupAttr
  - New members:ReplicationDelayTime

Release 18

Release time: 2021-12-15 14:25:47

Release updates:

Improvement to existing documentation.

Modified APIs:

- UpgradeDBInstance
  - New input parameters:MaxDelayTime
- UpgradeDBInstanceEngineVersion
  - New input parameters:MaxDelayTime

Release 17

Release time: 2021-11-24 16:52:13

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeBackupDownloadRestriction
- ModifyBackupDownloadRestriction

New data structures:

- BackupLimitVpcItem

Release 16

Release time: 2021-11-05 19:17:59

Release updates:

©2013-2022 Tencent Cloud. All rights reserved.

Improvement to existing documentation.

Deleted APIs:

- ModifyRoType

Modified APIs:

- CreateBackup
  - New input parameters:ManualBackupName
- CreateCloneInstance
  - New input parameters:DryRun
- CreateDBInstanceHour
  - New input parameters:AlarmPolicyIdList, DryRun

Modified data structures:

- BackupInfo
  - New members:ManualBackupName

Release 15

Release time: 2021-10-28 10:17:51

Release updates:

Improvement to existing documentation.

Deleted APIs:

- DescribeBackupDatabases
- DescribeBackupTables

Modified APIs:

- CreateCloneInstance
  - New input parameters:DeployGroupId

Deleted data structures:

- DatabaseName
- TableName

©2013-2022 Tencent Cloud. All rights reserved.

Release 14

Release time: 2021-10-12 17:17:11

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateDBInstanceHour
  - New input parameters:CageId
- DescribeDBInstances
  - New input parameters:CageIds

Release 13

Release time: 2021-09-29 17:51:19

Release updates:

Improvement to existing documentation.

New APIs:

- CreateAuditPolicy

Release 12

Release time: 2021-08-19 17:25:48

Release updates:

Improvement to existing documentation.

Modified APIs:

- UpgradeDBInstance
  - New input parameters:FastUpgrade

Release 11

Release time: 2021-07-02 15:23:48

©2013-2022 Tencent Cloud. All rights reserved.

Release updates:

Improvement to existing documentation.

Modified APIs:

- UpgradeDBInstance
  - New input parameters:DeviceType, Cpu

Release 10

Release time: 2021-06-03 09:46:01

Release updates:

Improvement to existing documentation.

New APIs:

- ModifyAccountMaxUserConnections

Modified APIs:

- CreateAccounts
  - New input parameters:MaxUserConnections
- DescribeAccounts
  - New output parameters:MaxUserConnections
- DescribeDBInstances
  - New input parameters:TagKeysForSearch
- ModifyAccountPrivileges
  - New input parameters:ModifyAction

New data structures:

- TagInfoItem

Modified data structures:

- AccountInfo
  - New members:MaxUserConnections
- InstanceInfo
  - New members:TagList

©2013-2022 Tencent Cloud. All rights reserved.

Release 9

Release time: 2021-04-15 16:33:15

Release updates:

Improvement to existing documentation.

Modified APIs:

- DescribeDBInstanceConfig
  - New output parameters:Switched
- DescribeDatabases
  - New output parameters:DatabaseList
- DescribeParamTemplateInfo
  - New output parameters:Description
- DescribeProjectSecurityGroups
  - New output parameters:TotalCount

New data structures:

- DatabasesWithCharacterLists

Modified data structures:

- SellConfig
  - New members:DeviceType, DeviceTypeName

Release 8

Release time: 2021-03-19 17:06:01

Release updates:

Improvement to existing documentation.

Modified APIs:

- AssociateSecurityGroups
  - New input parameters:ForReadonlyInstance
- CreateCloneInstance
  - New input parameters:InstanceNodes
- CreateDBInstanceHour

©2013-2022 Tencent Cloud. All rights reserved.

  - New input parameters:InstanceNodes, Cpu, AutoSyncFlag
- DescribeDBSecurityGroups
  - New input parameters:ForReadonlyInstance
- DisassociateSecurityGroups
  - New input parameters:ForReadonlyInstance
- ModifyDBInstanceSecurityGroups
  - New input parameters:ForReadonlyInstance

Modified data structures:

- Inbound
  - New members:Desc
- InstanceInfo
  - New members:InstanceNodes
- Outbound
  - New members:Desc

Release 7

Release time: 2021-02-09 10:57:46

Release updates:

Improvement to existing documentation.

New APIs:

- SwitchDBInstanceMasterSlave
- SwitchDrInstanceToMaster

Modified APIs:

- DescribeErrorLogData
  - New input parameters:InstType
- DescribeSlowLogData
  - New input parameters:InstType

Release 6

Release time: 2020-12-17 16:49:08

©2013-2022 Tencent Cloud. All rights reserved.

Release updates:

Improvement to existing documentation.

New APIs:

- ModifyRoReplicationDelay
- ModifyRoType
- StartDelayReplication
- StopDelayReplication

Release 5

Release time: 2020-12-09 18:28:03

Release updates:

Improvement to existing documentation.

New APIs:

- CreateCloneInstance
- DescribeCloneList
- StopRollback

New data structures:

- CloneItem

Release 4

Release time: 2020-11-05 19:16:28

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateDBInstanceHour
  - New input parameters:ParamTemplateId, AlarmPolicyList
- DescribeDBInstanceInfo
  - New output parameters:DefaultKmsRegion

©2013-2022 Tencent Cloud. All rights reserved.

Modified data structures:

- DeviceDiskInfo
  - New members:CapacityRatio

Release 3

Release time: 2020-08-06 19:38:51

Release updates:

Improvement to existing documentation.

New APIs:

- CreateRoInstanceIp

Release 2

Release time: 2020-07-30 17:59:28

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeRoMinScale

Existing Release

Release time: 2020-07-24 14:18:41

Existing APIs/data structures are as follows:

Improvement to existing documentation.

Existing APIs:

- AddTimeWindow
- AssociateSecurityGroups
- BalanceRoGroupLoad
- CloseWanService

©2013-2022 Tencent Cloud. All rights reserved.

- CreateAccounts
- CreateBackup
- CreateDBImportJob
- CreateDBInstanceHour
- CreateDeployGroup
- CreateParamTemplate
- DeleteAccounts
- DeleteBackup
- DeleteDeployGroups
- DeleteParamTemplate
- DeleteTimeWindow
- DescribeAccountPrivileges
- DescribeAccounts
- DescribeAsyncRequestInfo
- DescribeBackupConfig
- DescribeBackupDatabases
- DescribeBackupOverview
- DescribeBackupSummaries
- DescribeBackupTables
- DescribeBackups
- DescribeBinlogBackupOverview
- DescribeBinlogs
- DescribeDBImportRecords
- DescribeDBInstanceCharset
- DescribeDBInstanceConfig
- DescribeDBInstanceGTID
- DescribeDBInstanceInfo
- DescribeDBInstanceRebootTime
- DescribeDBInstances
- DescribeDBSecurityGroups
- DescribeDBSwitchRecords
- DescribeDBZoneConfig
- DescribeDataBackupOverview
- DescribeDatabases
- DescribeDefaultParams
- DescribeDeployGroupList
- DescribeDeviceMonitorInfo
- DescribeErrorLogData

©2013-2022 Tencent Cloud. All rights reserved.

- DescribeInstanceParamRecords
- DescribeInstanceParams
- DescribeParamTemplateInfo
- DescribeParamTemplates
- DescribeProjectSecurityGroups
- DescribeRoGroups
- DescribeRollbackRangeTime
- DescribeRollbackTaskDetail
- DescribeSlowLogData
- DescribeSlowLogs
- DescribeSupportedPrivileges
- DescribeTables
- DescribeTagsOfInstanceIds
- DescribeTasks
- DescribeTimeWindow
- DescribeUploadedFiles
- DisassociateSecurityGroups
- InitDBInstances
- IsolateDBInstance
- ModifyAccountDescription
- ModifyAccountPassword
- ModifyAccountPrivileges
- ModifyAutoRenewFlag
- ModifyBackupConfig
- ModifyDBInstanceName
- ModifyDBInstanceProject
- ModifyDBInstanceSecurityGroups
- ModifyDBInstanceVipVport
- ModifyInstanceParam
- ModifyInstanceTag
- ModifyNameOrDescByDpId
- ModifyParamTemplate
- ModifyRoGroupInfo
- ModifyTimeWindow
- OfflineIsolatedInstances
- OpenDBInstanceGTID
- OpenWanService
- ReleaseIsolatedDBInstances

©2013-2022 Tencent Cloud. All rights reserved.

- RestartDBInstances
- StartBatchRollback
- StopDBImportJob
- SwitchForUpgrade
- UpgradeDBInstance
- UpgradeDBInstanceEngineVersion

Existing data structures:

- Account
- AccountInfo
- BackupConfig
- BackupInfo
- BackupItem
- BackupSummaryItem
- BinlogInfo
- ColumnPrivilege
- CommonTimeWindow
- DBSwitchInfo
- DatabaseName
- DatabasePrivilege
- DeployGroupInfo
- DeviceCpuInfo
- DeviceCpuRateInfo
- DeviceDiskInfo
- DeviceMemInfo
- DeviceNetInfo
- DrInfo
- ErrlogItem
- ImportRecord
- Inbound
- InstanceInfo
- InstanceRebootTime
- InstanceRollbackRangeTime
- MasterInfo
- Outbound
- ParamInfo
- ParamRecord

©2013-2022 Tencent Cloud. All rights reserved.

- ParamTemplateInfo
- Parameter
- ParameterDetail
- RegionSellConf
- ReleaseResult
- RoGroup
- RoGroupAttr
- RoInstanceInfo
- RoVipInfo
- RoWeightValue
- RollbackDBName
- RollbackInstancesInfo
- RollbackTableName
- RollbackTables
- RollbackTask
- RollbackTimeRange
- SecurityGroup
- SellConfig
- SellType
- SlaveConfig
- SlaveInfo
- SlaveInstanceInfo
- SlowLogInfo
- SlowLogItem
- SqlFileInfo
- TableName
- TablePrivilege
- TagInfo
- TagInfoUnit
- TagsInfoOfInstance
- TaskDetail
- UploadInfo
- ZoneConf
- ZoneSellConf

©2013-2022 Tencent Cloud. All rights reserved.

Introduction

Last updated：2024-01-30 10:25:30

Thank you for using TencentDB for MySQL.

TencentDB for MySQL is a relational database service that features high stability, reliability, performance, elastic scalability and easy management.

TencentDB for MySQL provides you with features such as backup and restoration, monitoring, rollback, rapid expansion, and auditing. You can use the APIs and refer to the samples introduced in this document to perform operations on database. For all supported operations, see API Documentation

Before using these APIs, you need to fully understand the TencentDB for MySQL Overview.

©2013-2022 Tencent Cloud. All rights reserved.

API Category

Last updated：2024-01-30 10:25:31

Instance APIs

API Name	Feature	Frequency Limit (maximum requests per second)
StopCpuExpand	Disables elastic CPU expansion	20
StartCpuExpand	Enables elastic CPU expansion	20
DescribeCpuExpandStrategy	Queries the elastic expansion policy of an instance	20
AddTimeWindow	Adds a maintenance time window	100
BalanceRoGroupLoad	Rebalances the loads of instances in RO group	100
CloseWanService	Disables public network access for an instance	100
CreateRoInstanceIp	Creates a VIP exclusive to a TencentDB read-only instance	20
DeleteTimeWindow	Deletes a maintenance time window	100
DescribeCdbZoneConfig	Queries the AZ and the purchasable specifications of the database.	20
DescribeDBFeatures	Queries the version attributes of an instance	20
DescribeDBInstanceCharset	Queries the character set of a TencentDB instance	100
DescribeDBInstanceConfig	Queries the configuration information of a TencentDB instance	100
DescribeDBInstanceGTID	Queries whether GTID is activated for a TencentDB instance	100
DescribeDBInstanceInfo	Queries the basic information of instance	20

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBInstanceRebootTime	Queries the estimated restart time of a TencentDB instance	100
DescribeDBPrice	Queries the prices of TencentDB instances	20
DescribeDBSwitchRecords	Queries the instance switch records	50
DescribeRoGroups	Queries the information of all RO groups of TencentDB instance	20
DescribeRoMinScale	Queries the minimum specification of a read-only instance that can be purchased or upgraded to	20
DescribeTagsOfInstanceIds	Queries instance tags	20
DescribeTimeWindow	Queries a maintenance time window	20
InitDBInstances	Initializes a new instance	100
IsolateDBInstance	Isolates a TencentDB instance	20
ModifyAutoRenewFlag	Modifies the auto-renewal flag of a TencentDB instance	20
ModifyDBInstanceName	Renames a TencentDB instance	100
ModifyDBInstanceProject	Modifies the project to which a TencentDB instance belongs	20
ModifyDBInstanceVipVport	Modifies the IP and port number of a TencentDB instance	20
ModifyInstanceTag	Modifies an instance tag	20
ModifyNameOrDescByDpId	Modifies the name or description of a placement group	20
ModifyRoGroupInfo	Updates RO instance group	20
ModifyTimeWindow	Updates a maintenance time window	20
OfflineIsolatedInstances	Deactivates isolated TencentDB instances	20
OpenDBInstanceEncryption	Enables data storage encryption	20
OpenDBInstanceGTID	Enables GTID for an instance	20
OpenWanService	Enables public network access for an	20

©2013-2022 Tencent Cloud. All rights reserved.

	instance	
ReleaseIsolatedDBInstances	Deisolates TencentDB instance	20
RenewDBInstance	Renews a TencentDB instance	20
RestartDBInstances	Restarts instances	20
StartReplication	Starts replication	20
StopReplication	Stops replication	20
SwitchDBInstanceMasterSlave	Performs source-to-replica switch	20
SwitchDrInstanceToMaster	Promotes a disaster recovery instance to source instance	20
SwitchForUpgrade	Switches to a new instance	20
UpgradeDBInstanceEngineVersion	Upgrades the version of an instance	20
CreateDBInstance	Creates a monthly subscribed TencentDB instance	20
CreateDBInstanceHour	Creates pay-as-you-go TencentDB instance	20
DescribeDBInstances	Queries the list of instances	100
UpgradeDBInstance	Modifies the configurations of TencentDB instance	30

Data Import APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateDBImportJob	Creates a data import task	100
DescribeDBImportRecords	Queries import task records	100
DescribeUploadedFiles	Queries the list of imported SQL files (deprecated)	1
StopDBImportJob	Stops a data import task	20

©2013-2022 Tencent Cloud. All rights reserved.

Database Proxy APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AdjustCdbProxy	Adjusts the configuration of database proxy	20
AdjustCdbProxyAddress	Adjusts database proxy address	20
CloseCDBProxy	Disables database proxy	20
CloseCdbProxyAddress	Disables database proxy address	20
CreateCdbProxy	Creates a database proxy	20
CreateCdbProxyAddress	Creates a database proxy address	20
DescribeCdbProxyInfo	Queries the details of a database proxy	20
DescribeProxyCustomConf	Queries the proxy configuration	20
DescribeProxySupportParam	Queries the supported proxy versions and parameters for an instance	20
ModifyCdbProxyAddressDesc	Modifies the description of a proxy address	20
ModifyCdbProxyAddressVipAndVPort	Modifies the VPC of the database proxy address	20
ModifyCdbProxyParam	Configures the database proxy parameters	20
ReloadBalanceProxyNode	Rebalances the load on database proxy	20
SwitchCDBProxy	Switches database proxy	20
UpgradeCDBProxyVersion	Upgrades the version of database proxy	20

Database Audit APIs

©2013-2022 Tencent Cloud. All rights reserved.

API Name	Feature	Frequency Limit (maximum requests per second)
OpenAuditService	Enables the audit service	50
DescribeAuditLogs	Queries a database audit log	20
DescribeAuditRules	Queries the audit rules	20
CreateAuditPolicy	Creates an audit policy	20
DescribeAuditPolicies	Queries the audit policies	20
AnalyzeAuditLogs	Analyzes audit log	20

Security Group APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AssociateSecurityGroups	Binds security groups in batches	100
DescribeDBSecurityGroups	Queries the security group information	100
DescribeProjectSecurityGroups	Queries the security group information of a project	100
DisassociateSecurityGroups	Unbinds security groups in batches	100
ModifyDBInstanceSecurityGroups	Modifies the security groups bound to a TencentDB instance	20

Task APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeAsyncRequestInfo	Queries the execution result of an async task	40
DescribeTasks	Queries the list of tasks for a TencentDB instance	50

©2013-2022 Tencent Cloud. All rights reserved.

Account APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateAccounts	Creates a TencentDB account	10
DeleteAccounts	Deletes TencentDB accounts	10
DescribeAccountPrivileges	Queries the information of TencentDB account permissions	10
DescribeAccounts	Queries the information of all TencentDB accounts	50
DescribeSupportedPrivileges	Queries the information of TencentDB instance permissions	100
ModifyAccountDescription	Modifies the remarks of a TencentDB instance account	10
ModifyAccountMaxUserConnections	Modifies the maximum connections of one or more TencentDB instance accounts	20
ModifyAccountPassword	Modifies the password of a TencentDB instance account	10
ModifyAccountPrivileges	Modifies the permissions of a TencentDB instance account	10
ResetRootAccount	Resets the root account	20

Backup APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateBackup	Creates a TencentDB instance backup	5
DeleteBackup	Deletes a TencentDB instance backup	100
DescribeBackupDownloadRestriction	Queries backup download restrictions	20

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBackupOverview	Queries backup overview	20
DescribeBackupSummaries	Queries real-time backup statistics	20
DescribeBinlogBackupOverview	Queries log backup overview	20
DescribeDataBackupOverview	Queries data backup overview	20
DescribeLocalBinlogConfig	Queries the retention policy of local binlog	20
DescribeRemoteBackupConfig	Queries the configuration information of a remote TencentDB instance backup	20
DescribeSlowLogs	Queries slow logs	20
ModifyBackupDownloadRestriction	Modifies backup download restrictions	20
ModifyLocalBinlogConfig	Modifies the retention policy of local binlog	20
ModifyRemoteBackupConfig	Modifies the configuration information of a remote TencentDB instance backup	20
DescribeBackups	Queries data backup file list	10
DescribeBackupConfig	Queries the configuration information of a TencentDB instance backup	100
DescribeBackupDecryptionKey	Queries the decryption key of a backup file	20
DescribeBackupEncryptionStatus	Queries the default encryption status of an instance backup	20
DescribeBinlogs	Queries binlog backup file list	100
ModifyBackupConfig	Modifies the database backup configuration	20
ModifyBackupEncryptionStatus	Sets the default encryption status of an instance backup	20

Rollback APIs

API Name	Feature	Frequency Limit (maximum requests

©2013-2022 Tencent Cloud. All rights reserved.

		per second)
DescribeRollbackRangeTime	Queries the time range available for rollback	20
DescribeRollbackTaskDetail	Queries rollback task details	20
StartBatchRollback	Rolls back database tables	20
StopRollback	Cancels a rollback task	20
DescribeCloneList	Queries the clone task list	20
CreateCloneInstance	Clones an instance	20

Parameter APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateParamTemplate	Creates a parameter template	100
DeleteParamTemplate	Deletes a parameter template	20
DescribeInstanceParamRecords	Queries the parameter modification records	20
DescribeInstanceParams	Queries the list of configurable parameters for an instance	20
DescribeParamTemplateInfo	Queries the parameter template details	20
DescribeParamTemplates	Queries the list of parameter templates	20
ModifyInstanceParam	Modifies instance parameters	20
ModifyInstancePasswordComplexity	Modifies the password complexity of a TencentDB instance	20
ModifyParamTemplate	Modifies a parameter template	20
DescribeDefaultParams	Queries the list of default configurable parameters	20

©2013-2022 Tencent Cloud. All rights reserved.

Database APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateDatabase	Creates a database	20
DescribeDatabases	Queries databases	100
DescribeTables	Queries database tables	40

Monitoring APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDeviceMonitorInfo	Queries the monitoring information of a physical machine	20

Log-related API

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeErrorLogData	Queries instance error log details	20
DescribeSlowLogData	Queries instance slow logs	50
DescribeDBInstanceLogToCLS	Query configurations of sending instance logs to CLS	20
ModifyDBInstanceLogToCLS	Enable or disable the feature of sending CDB logs to CLS	20

©2013-2022 Tencent Cloud. All rights reserved.

Making API Requests
Request Structure

Last updated：2024-01-30 10:25:31

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:

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

©2013-2022 Tencent Cloud. All rights reserved.

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

2. Communications Protocol

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

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

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

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

4. Character Encoding

Only UTF-8 encoding is used.

©2013-2022 Tencent Cloud. All rights reserved.

Common Params

Last updated：2024-01-30 10:25:32

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

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

Common parameters for Signature Algorithm v3

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Example of an HTTP GET request structure:

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

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

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

10
--58731222010402--
```

Common parameters for Signature Algorithm v1

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Example of an HTTP GET request structure:

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

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

Example of an HTTP POST request structure:

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

Signature

Last updated：2024-01-30 10:25:34

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

1. Applying for Security Credentials

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

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

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

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

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

2. Generating a Signature

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

Assume that the SecretId and SecretKey are:

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

2.1. Sorting Parameters

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

2.2. Concatenating a Request String

This step generates a request string.

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

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

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

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

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

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

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

The concatenation result of the example is:

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

2.4. Generating a Signature String

This step generates a signature string.

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3*******';
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins
-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5
yKBZQpn74WFkmLPx3*******&Timestamp=1465185768&Version=2017-03-12';
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));
echo $signStr;
```

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

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

3. Encoding a Signature String

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

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

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

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

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

4. Signature Failure

©2013-2022 Tencent Cloud. All rights reserved.

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

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

5. Signature Demo

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Java

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Python

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

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

import requests

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

Golang

```
package main

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

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

PHP

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

©2013-2022 Tencent Cloud. All rights reserved.

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

ksort($param);

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

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

Ruby

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

DotNet

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

NodeJS

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

strParam = sort_params(params)

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

©2013-2022 Tencent Cloud. All rights reserved.

Signature v3

Last updated：2024-01-30 10:25:33

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,

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

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

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

©2013-2022 Tencent Cloud. All rights reserved.

	`[{"Values": ["unnamed"], "Name": "instance-name"}]}` in this exampl The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the pay of the HTTP request, performing hexadecimal encoding, and finally converting the enco string to lowercase letters. For GET requests, `RequestPayload` is always an empt string. The calculation result in this example is `99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4`

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

```
POST
/

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

content-type;host
99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907
```

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

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

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always `TC3-HMAC-SHA256`.
RequestTimestamp	Request timestamp, i.e., the value of the common parameter `X-TC-Timestamp` in request header, which is the UNIX timestamp of the current time in seconds, such as `1551113065` in this example.
CredentialScope	Scope of the credential in the format of `Date/service/tc3_request`, including date, requested service and termination string (tc3_request). **`Date` is a date in UT time, whose value should match the UTC date converted by the common parameter `X-TC-Timestamp`**; `service` is the product name, which should m the domain name of the product called. The calculation result in this example is `2025/cvm/tc3_request`.

©2013-2022 Tencent Cloud. All rights reserved.

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

Note:

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

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

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

3. Calculating the Signature

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

2. Calculate the signature with the following pseudocode:

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

4. Concatenating the Authorization

The Authorization is concatenated as follows:

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

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

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

```
TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******/2019-02-25/cvm/tc
3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301
bb8d17e7dc0c17eeabce80c20cd70fc3a78ff
```

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******/20
19-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437
e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff
```

©2013-2022 Tencent Cloud. All rights reserved.

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

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

5. Signature Demo

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

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

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

Java

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

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Python

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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


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

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

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

Golang

©2013-2022 Tencent Cloud. All rights reserved.

```go
package main

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

PHP

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Ruby

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

puts canonical_request

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

DotNet

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

NodeJS

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

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

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

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

C++

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

using namespace std;

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

```
return output;
}

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

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

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

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

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

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

Signature Failure

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

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

©2013-2022 Tencent Cloud. All rights reserved.

Responses

Last updated：2024-01-30 10:25:35

Response for Successful Requests

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

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

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

Response for Failed Requests

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Common Error Codes

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

©2013-2022 Tencent Cloud. All rights reserved.

Instance APIs
StopCpuExpand

Last updated：2024-01-30 10:25:52

1. API Description

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

This API is used to disable elastic CPU expansion.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StopCpuExpand.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID, which can be passed in by calling the

©2013-2022 Tencent Cloud. All rights reserved.

		`DescribeAsyncRequest` API for task progress query.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Disabling elastic expansion

u200cThis API is used to disable the elastic expansion configuration for the current instance.

Input Example

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

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

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.InstanceTaskConflictError	An error occurred due to instance task conflict.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.UnknownError	Unknown error
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.ExceptionParam	Parameter exception.

©2013-2022 Tencent Cloud. All rights reserved.

StartCpuExpand

Last updated：2024-01-30 10:25:53

1. API Description

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

u200cThis API is used to enable elastic CPU expansion manually or automatically.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StartCpuExpand.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.
Type	Yes	String	Scale-out mode. Valid values: auto and manual.
ExpandCpu	No	Integer	Number of CPU cores to increase during manual scale-out. This parameter is required when Type is set to manual.
AutoStrategy	No	AutoStrategy	Automatic scale-out policy. This parameter is required when Type is set to auto.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID, which can be passed in by calling the `DescribeAsyncRequest` API for task progress query.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enable elastic scale-out

This API can be called to increase CPU cores for an instance.

Input Example

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

{
"InstanceId": "cdb-test",
"Type": "manual",
"ExpandCpu": 4
}
```

Output Example

```
{
"Response": {
"AsyncRequestId": "xxxxxxxxxxxxxx-xxxxxxxxxxx",
"RequestId": "xxxxxxxxxxxxxxxxxxxxxxxx"
}
}
```

5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.InstanceTaskConflictError	An error occurred due to instance task conflict.
FailedOperation.NotChangeStrategy	No policy modification detected
InternalError.UnknownError	Unknown error
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
MissingParameter.MissingParamError	Required parameters are missing.
UnsupportedOperation.NotSupportNormalInstance	The current operation is not supported for instances with no resource usage limit.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeCpuExpandStrategy

Last updated：2024-01-30 10:26:07

1. API Description

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

This API is used to query the elastic expansion policy of an instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCpuExpandStrategy.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
Type	String	Policy type. Valid values: `auto` , `manual` .

©2013-2022 Tencent Cloud. All rights reserved.

		Note: This field may return null, indicating that no valid values can be obtained.
ExpandCpu	String	Manually expanded CPU, which is valid when `Type` is `manual`. Note: This field may return null, indicating that no valid values can be obtained.
AutoStrategy	String	Automatic expansion policy, which is valid when `Type` is `auto`. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the elastic expansion configuration of an instance

u200cThis API is used to query the elastic expansion configuration of an instance.

Input Example

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

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

Output Example

```
{
"Response": {
"Type": "abc",
"ExpandCpu": "abc",
"AutoStrategy": "abc",
"RequestId": "abc"
}
}
```

5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.RemoteCallUnmarshalError	Cross-region deserialization failed for the high-availability service.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.ExecHttpRequestError	Failed to execute the HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter.JsonUnmarshalError	Failed to deserialize JSON.

©2013-2022 Tencent Cloud. All rights reserved.

AddTimeWindow

Last updated：2024-01-30 10:26:11

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AddTimeWindow.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
Monday.N	No	Array of String	Maintenance window on Monday. The format should be 10:00-12:00. You can set multiple time windows on a day. Each time window lasts from half an hour to three hours, and must start and end on the hour or half hour. At least one time window is required in a week. The same rule applies to the following parameters.
Tuesday.N	No	Array of	Maintenance window on Tuesday. At least one time window is required in a week.

©2013-2022 Tencent Cloud. All rights reserved.

		String	
Wednesday.N	No	Array of String	Maintenance window on Wednesday. At least one time window is required in a week.
Thursday.N	No	Array of String	Maintenance window on Thursday. At least one time window is required in a week.
Friday.N	No	Array of String	Maintenance window on Friday. At least one time window is required in a week.
Saturday.N	No	Array of String	Maintenance window on Saturday. At least one time window is required in a week.
Sunday.N	No	Array of String	Maintenance window on Sunday. At least one time window is required in a week.
MaxDelayTime	No	Integer	Maximum delay threshold, which takes effect only for source instances and disaster recovery instances.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding a maintenance window

Input Example

```
https://cdb.tencentcloudapi.com/?Action=AddTimeWindow
&InstanceId=cdb-eb2w7dto
&Monday.0=02:00-03:00
```

©2013-2022 Tencent Cloud. All rights reserved.

```
&MaxDelayTime=10
&<Common request parameters>
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameter.ResourceExists	The resource already exists.

©2013-2022 Tencent Cloud. All rights reserved.

BalanceRoGroupLoad

Last updated：2024-01-30 10:26:11

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: BalanceRoGroupLoad.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
RoGroupId	Yes	String	RO group ID in the format of `cdbrg-c1nl9rpv` .

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Rebalancing the loads of instances in an RO group

Input Example

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

{
"RoGroupId": "cdbrg-eb2w7dto"
}
```

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.StatusConflict	Task status conflict.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

CloseWanService

Last updated：2024-01-30 10:26:10

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CloseWanService.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Disabling public network access for an instance

Input Example

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

{
"InstanceId": "cdb-ezq1vzem"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "841592f6-dd318344-aea19230-38912726"
}
}
```

5. Developer Resources

SDK

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

- Tencent Cloud SDK 3.0 for Python

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation.StatusConflict	Task status conflict.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.WrongStatus	The backend task status is invalid.

©2013-2022 Tencent Cloud. All rights reserved.

CreateDBInstance

Last updated：2024-01-30 10:26:10

1. API Description

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

This API is used to create a monthly subscribed TencentDB instance (which can be a source, disaster recovery, or read-only instance) by passing in information such as instance specifications, MySQL version number, purchased duration, and quantity.

This is an asynchronous API. You can also use the DescribeDBInstances API to query the instance details. If the output parameter `Status` is `1` and the output parameter `TaskStatus` is `0`, the instance has been successfully delivered.

1. You can use the DescribeDBZoneConfig API to query the purchasable instance specifications, and then use the DescribeDBPrice API to query the prices of the purchasable 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, v5.7, and v8.0 are supported.
4. Source instances, read-only instances, and disaster recovery instances can be created.
5. If `Port`, `ParamList`, or `Password` is specified in the input parameters, the instance (excluding basic instances) will be initialized.
6. If `Port`, `ParamTemplateId`, or `AlarmPolicyList` is specified in the input parameters, you need to update your SDK to the latest version.

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

We recommend you to use API Explorer

Try it

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

2. Input Parameters

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

Parameter Name	Required	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Action	Yes	String	Common Params. The value used for this API: CreateDBInstance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Memory	Yes	Integer	Instance memory size in MB. You can use the DescribeDBZoneConfig API to query the supported memory specifications.
Volume	Yes	Integer	Instance disk size in GB. You can use the DescribeDBZoneConfig API to query the supported disk specifications.
Period	Yes	Integer	Instance validity period in months. Valid values: `1` , `2` , `3` , `4` , `5` , `6` , `7` , `8` , `9` , `10` , `11` , `12` , `24` , `36` .
GoodsNum	Yes	Integer	Number of instances. Value range: 1-100. Default value: `1` .
Zone	No	String	AZ information. The system will automatically select an AZ by default. You can use the DescribeDBZoneConfig API to query the supported AZs.
UniqVpcId	No	String	VPC ID. If this parameter is not passed in, the basic network will be selected by default. You can use the DescribeVpcs API to query the VPCs.
UniqSubnetId	No	String	VPC subnet ID. If `UniqVpcId` is set, then `UniqSubnetId` will be required. You can use the DescribeSubnets API to query the subnet lists.
ProjectId	No	Integer	Project ID. If this parameter is left empty, the default project will be used. When you purchase read-only instances and disaster recovery instances, the project ID is the same as that of the source instance by default.
Port	No	Integer	Custom port. Value range: 1024-65535.
InstanceRole	No	String	Instance typeA. Valid values: `master` (source instance), `dr` (disaster recovery instance), `ro` (read-only instance).

©2013-2022 Tencent Cloud. All rights reserved.

MasterInstanceId	No	String	Instance ID. It is required when purchasing a read-only instance, which is the same as the source instance ID. You can use the DescribeDBInstances API to query the instance ID.
EngineVersion	No	String	MySQL version. Valid values: `5.5` , `5.6` , `5.7` , and `8.0` . You can use the DescribeDBZoneConfig API to query the supported instance versions.
Password	No	String	The root account password, which can contain 8-64 characters and must contain at least two of the following types of characters: letters, digits, and symbols `_+-&=!@#$%^*()` . This parameter applies to source instances but not to read-only or disaster recovery instances.
ProtectMode	No	Integer	Data replication mode. Valid values: `0` (async replication), `1` (semi-sync replication), `2` (strong sync replication). Default value: `0` .
DeployMode	No	Integer	Multi-AZ or single-AZ. Valid values: `0` (single-AZ), `1` (multi-AZ). Default value: `0` .
SlaveZone	No	String	Information of replica AZ 1, which is the `Zone` value by default.
ParamList.N	No	Array of ParamInfo	List of parameters in the format of ParamList.0.Name=auto_increment&ParamList.0.Value=1. You can use the DescribeDefaultParams API to query the configurable parameters.
BackupZone	No	String	Information of replica AZ 2, which is left empty by default. Specify this parameter when purchasing a source instance in the one-source-two-replica architecture.
AutoRenewFlag	No	Integer	Auto-renewal flag. Valid values: `0` (auto-renewal not enabled), `1` (auto-renewal enabled).
MasterRegion	No	String	Region information of the source instance, which is required when purchasing a read-only or disaster recovery instance.
SecurityGroup.N	No	Array of String	Security group parameter. You can use the DescribeProjectSecurityGroups API to query the security group details of a project.
RoGroup	No	RoGroup	Read-only instance parameter. This parameter must be

©2013-2022 Tencent Cloud. All rights reserved.

			passed in when purchasing read-only instances.
InstanceName	No	String	Instance name. For multiple instances purchased at one time, they will be distinguished by the name suffix number, such as instnaceName=db and goodsNum=3, and their instance names are db1, db2, and db3, respectively.
ResourceTags.N	No	Array of TagInfo	Instance tag information
DeployGroupId	No	String	Placement group ID
ClientToken	No	String	A string unique in 48 hours, which is supplied by the client to ensure that the request is idempotent. Its maximum length is 64 ASCII characters. If this parameter is not specified, the idempotency of the request cannot be guaranteed.
DeviceType	No	String	Instance isolation type. Valid values: `UNIVERSAL` (general instance), `EXCLUSIVE` (dedicated instance), `BASIC` (basic instance). Default value: `UNIVERSAL` .
ParamTemplateId	No	Integer	Parameter template ID
AlarmPolicyList.N	No	Array of Integer	Array of alarm policy IDs, which can be obtained through the `OriginId` field in the return value of the `DescribeAlarmPolicy` API of TCOP.
InstanceNodes	No	Integer	The number of nodes of the instance. To purchase a read-only instance or a basic instance, set this parameter to `1` or leave it empty. To purchase a three-node instance, set this parameter to `3` or specify the `BackupZone` parameter. If the instance to be purchased is a source instance and both `BackupZone` and this parameter are left empty, the value `2` will be used, which indicates the source instance will have two nodes.
Cpu	No	Integer	The number of the instance CPU cores. If this parameter is left empty, it will be subject to the `Memory` value.
AutoSyncFlag	No	Integer	Whether to automatically start disaster recovery synchronization. This parameter takes effect only for disaster recovery instances. Valid values: `0` (no), `1` (yes). Default value: `0` .
CageId	No	String	Financial cage ID.

©2013-2022 Tencent Cloud. All rights reserved.

ParamTemplateType	No	String	Type of the default parameter template. Valid values: `HIGH_STABILITY` (high-stability template), `HIGH_PERFORMANCE` (high-performance template).
AlarmPolicyIdList.N	No	Array of String	The array of alarm policy names, such as ["policy-uyoee9wg"]. If the `AlarmPolicyList` parameter is specified, this parameter is invalid.
DryRun	No	Boolean	Whether to check the request without creating any instance. Valid values: `true` , `false` (default). After being submitted, the request will be checked to see if it is in correct format and has all required parameters with valid values. An error code is returned if the check failed, and `RequestId` is returned if the check succeeded. After a successful check, no instance will be created if this parameter is set to `true` , whereas an instance will be created and if it is set to `false` .
EngineType	No	String	Instance engine type. Valid values: `InnoDB` (default), `RocksDB` .
Vips.N	No	Array of String	The list of IPs for sources instances. Only one IP address can be assigned to a single source instance. If all IPs are used up, the system will automatically assign IPs to the remaining source instances that do not have one.

3. Output Parameters

Parameter Name	Type	Description
DealIds	Array of String	Billing sub-order ID
InstanceIds	Array of String	List of instance IDs
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

©2013-2022 Tencent Cloud. All rights reserved.

Example1 Purchasing a source instance

This example shows you how to purchase a source instance.

Input Example

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

{
"ResourceTags": [
{
"TagKey": "marchtest",
"TagValue": [
"test1"
]
}
],
"Zone": "ap-guangzhou-3",
"UniqVpcId": "vpc-0akbol5v",
"ProjectId": "0",
"InstanceRole": "master",
"GoodsNum": "1",
"Period": "1",
"Volume": "25",
"EngineVersion": "5.6",
"UniqSubnetId": "subnet-fyrtjbqw",
"Memory": "1000",
"InstanceNodes": "2"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"InstanceIds": [
"cdb-pn6gd5jp"
],
"DealIds": [
"20171201110011"
]
```

©2013-2022 Tencent Cloud. All rights reserved.

```
}
}
```

Example2 Purchasing a read-only instance

This example shows you how to purchase a read-only instance.

Input Example

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

{
"RoGroup": {
"RoGroupMode": "allinone",
"RoGroupName": "jersey_test",
"RoMaxDelayTime": "5",
"MinRoInGroup": "1",
"RoOfflineDelay": "1"
},
"GoodsNum": "1",
"InstanceRole": "ro",
"MasterInstanceId": "cdb-fn3f9xpx",
"Period": "1",
"Volume": "100",
"Memory": "4000"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"DealIds": [
"20171205110051"
],
"InstanceIds": [
"cdbro-hlpl4ik9"
]
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.CauthError	Authentication failed.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DfwError	Security group operation error.
InternalError.FtpError	File transfer exception
InternalError.TradeError	Transaction system error.
InternalError.UndefinedError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.VpcError	VPC or subnet error.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.OtherOderInProcess	There are other orders being submitted. Please try again later.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongPassword	Incorrect password or verification failed.

©2013-2022 Tencent Cloud. All rights reserved.

CreateDBInstanceHour

Last updated：2024-01-30 10:26:09

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 source, 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. You can use the DescribeDBZoneConfig API to query the purchasable instance specifications, and then use the DescribeDBPrice API to query the prices of the purchasable instances.
2. You can create up to 100 instances at a time, with an instance validity period of up to 36 months.
3. MySQL 5.5, 5.6, 5.7, and 8.0 are supported.
4. Source instances, disaster recovery instances, and read-only instances can be created.
5. If `Port`, `ParamList`, or `Password` is specified in the input parameters, the instance will be initialized.

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

We recommend you to use API Explorer

Try it

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateDBInsta
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.

©2013-2022 Tencent Cloud. All rights reserved.

GoodsNum	Yes	Integer	Number of instances. Value range: 1-100. Default value: 1.
Memory	Yes	Integer	Instance memory size in MB. Please use the DescribeDBZone to query the supported memory specifications.
Volume	Yes	Integer	Instance disk size in GB. Please use the DescribeDBZoneCo query the supported disk specifications.
EngineVersion	No	String	MySQL version. Valid values: `5.5` , `5.6` , `5.7` , `8.0` use the DescribeDBZoneConfig API to query the supported v
UniqVpcId	No	String	VPC ID. If this parameter is not passed in, the basic network selected by default. Please use the DescribeVpcs API to quer
UniqSubnetId	No	String	VPC subnet ID. If `UniqVpcId` is set, then `UniqSubnet` required. Please use the DescribeSubnets API to query the su
ProjectId	No	Integer	Project ID. If this is left empty, the default project will be used.
Zone	No	String	AZ information. By default, the system will automatically selec Please use the DescribeDBZoneConfig API to query the supp
MasterInstanceId	No	String	Instance ID, which is required and the same as the primary in when purchasing read-only or disaster recovery instances. Pl DescribeDBInstances API to query the instance IDs.
InstanceRole	No	String	Instance type. Valid values: master (primary instance), dr (dis recovery instance), ro (read-only instance). Default value: ma
MasterRegion	No	String	Region information of the source instance, which is required purchasing a read-only or disaster recovery instance.
Port	No	Integer	Custom port. Value range: [1024-65535].
Password	No	String	Sets the root account password. Rule: the password can cont characters and must contain at least two of the following type characters: letters, digits, and special symbols (_+-&=!@#$% parameter can be specified when purchasing primary instanc meaningless for read-only or disaster recovery instances.
ParamList.N	No	Array of ParamInfo	List of parameters in the format of `ParamList.0.Name=auto_increment&ParamList.0` You can use the DescribeDefaultParams API to query the cor parameters.
ProtectMode	No	Integer	Data replication mode. Valid values: 0 (async), 1 (semi-sync), sync). Default value: 0. This parameter can be specified when

©2013-2022 Tencent Cloud. All rights reserved.

			primary instances and is meaningless for read-only or disaste instances.
DeployMode	No	Integer	Multi-AZ. Valid value: 0 (single-AZ), 1 (multi-AZ). Default valu parameter can be specified when purchasing primary instanc meaningless for read-only or disaster recovery instances.
SlaveZone	No	String	AZ information of secondary database 1, which is the `Zone` default. This parameter can be specified when purchasing pri instances and is meaningless for read-only or disaster recove
BackupZone	No	String	The availability zone information of Replica 2, which is left em default. Specify this parameter when purchasing a source ins one-source-two-replica architecture.
SecurityGroup.N	No	Array of String	Security group parameter. You can use the DescribeProjectSecurityGroups API to query the security grou a project.
RoGroup	No	RoGroup	Read-only instance information. This parameter must be pass purchasing read-only instances.
AutoRenewFlag	No	Integer	This field is meaningless when purchasing pay-as-you-go inst
InstanceName	No	String	Instance name For multiple instances purchased at one time, distinguished by the name suffix number, such as instnaceNa goodsNum=3, and their instance names are db1, db2, and db respectively.
ResourceTags.N	No	Array of TagInfo	Instance tag information.
DeployGroupId	No	String	Placement group ID.
ClientToken	No	String	A unique string supplied by the client to ensure that the reque idempotent. Its maximum length is 64 ASCII characters. If this is not specified, the idempotency of the request cannot be gua
DeviceType	No	String	Instance resource isolation type. Valid values: `UNIVERSAL` instance), `EXCLUSIVE` (dedicated instance), `BASIC` (ba instance). Default value: `UNIVERSAL` .
ParamTemplateId	No	Integer	Parameter template ID.
AlarmPolicyList.N	No	Array of Integer	Array of alarm policy IDs, which is `OriginId` obtained thr `DescribeAlarmPolicy` API.
InstanceNodes	No	Integer	The number of nodes of the instance. To purchase a read-onl

©2013-2022 Tencent Cloud. All rights reserved.

			basic instance, set this parameter to `1` or leave it empty. To three-node instance, set this parameter to `3` or specify the `BackupZone` parameter. If the instance to be purchased is instance and both `BackupZone` and this parameter are left value `2` will be used, which indicates the source instance w nodes.
Cpu	No	Integer	The number of CPU cores of the instance. If this parameter is the number of CPU cores depends on the `Memory` value.
AutoSyncFlag	No	Integer	Whether to automatically start disaster recovery synchronizat parameter takes effect only for disaster recovery instances. V `0` (no), `1` (yes). Default value: `0` .
CageId	No	String	Financial cage ID.
ParamTemplateType	No	String	Type of the default parameter template. Valid values: `HIGH_STABILITY` (high-stability template), `HIGH_PERF` (high-performance template). Default value: `HIGH_STABIL`
AlarmPolicyIdList.N	No	Array of String	The array of alarm policy names, such as ["policy-uyoee9wg"] `AlarmPolicyList` parameter is specified, this paramete
DryRun	No	Boolean	Whether to check the request without creating any instance. V `true` , `false` (default). After being submitted, the reque checked to see if it is in correct format and has all required pa with valid values. An error code is returned if the check failed, `RequestId` is returned if the check succeeded. After a su check, no instance will be created if this parameter is set to whereas an instance will be created and if it is set to `false`
EngineType	No	String	Instance engine type. Valid values: `InnoDB` (default); `Ro`
Vips.N	No	Array of String	The list of IPs for sources instances. Only one IP address can to a single source instance. If all IPs are used up, the system automatically assign IPs to the remaining source instances th have one.

3. Output Parameters

Parameter Name	Type	Description
DealIds	Array of	Short order ID.

©2013-2022 Tencent Cloud. All rights reserved.

	String	
InstanceIds	Array of String	Instance ID list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

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

This example shows you how to create a pay-as-you-go TencentDB instance.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: CreateDBInstanceHour<common request parameters>{ "ResourceTags": [ { "TagKey": "marchtest", "TagValue": [ "test1" ] } ], "Zone": "ap-guangzhou-3", "UniqVpcId": "vpc-0akbol5v", "ProjectId": "0", "SlaveZone": "ap-guangzhou-3", "InstanceRole": "master", "GoodsNum": "1", "DeployMode": "0", "Volume": "25", "EngineVersion": "5.6", "UniqSubnetId": "subnet-fyrtjbqw", "Memory": "1000", "ProtectMode": "0"}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"InstanceIds": [
"cdb-03brtubb"
],
"DealIds": [
"20171201160000002670226599824833"
]
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DfwError	Security group operation error.
InternalError.TradeError	Transaction system error.
InternalError.UndefinedError	Unknown error
InternalError.VpcError	VPC or subnet error.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.ActionNotSupport	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.OtherOderInProcess	There are other orders being submitted. Please try again later.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongPassword	Incorrect password or verification failed.

©2013-2022 Tencent Cloud. All rights reserved.

CreateRoInstanceIp

Last updated：2024-01-30 10:26:09

1. API Description

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

This API is used to create a VIP exclusive to a TencentDB read-only instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateRoInstanceIp.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Read-only instance ID in the format of "cdbro-3i70uj0k". Its value is the same as the read-only instance ID in the TencentDB Console.
UniqSubnetId	No	String	Subnet descriptor, such as "subnet-1typ0s7d".
UniqVpcId	No	String	VPC descriptor, such as "vpc-a23yt67j". If this field is passed in, `UniqSubnetId` will be required.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RoVpcId	Integer	VPC ID of the read-only instance.
RoSubnetId	Integer	Subnet ID of the read-only instance.
RoVip	String	Private IP address of the read-only instance.
RoVport	Integer	Private port number of the read-only instance.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a VIP exclusive to a TencentDB read-only replica

Input Example

```
https://cdb.tencentcloudapi.com/?Action=CreateRoInstanceIp
&InstanceId=cdbro-c1nl9rpv
&UniqSubnetId=subnet-1typ0s7d
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RoVpcId": 511512,
"RoSubnetId": 115839,
"RoVip": "172.0.0.1",
"RoVport": 3306,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
FailedOperation.CreateRoVipError	Failed to assign an exclusive VIP to the read-only replica.
FailedOperation.StatusConflict	Task status conflict.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DesError	Internal system error.
InternalError.HttpError	Exceptional HTTP request
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameter.ResourceNotFound	The resource is not found.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
OperationDenied.ActionInProcess	The instance is performing another task.
OperationDenied.WrongStatus	The backend task status is invalid.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

DeleteTimeWindow

Last updated：2024-01-30 10:26:08

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteTimeWindow.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a maintenance time window

Input Example

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

{
"InstanceId": "cdb-eb2w7dto"
}
```

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeCdbZoneConfig

Last updated：2024-01-30 10:26:08

1. API Description

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

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

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCdbZoneConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
DataResult	CdbZoneDataResult	List of purchasable specification and region information
RequestId	String	The unique request ID, which is returned for each request. RequestId is

©2013-2022 Tencent Cloud. All rights reserved.

		required for locating a problem.

4. Example

Example1 Querying the purchasable database specifications

Input Example

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

{}
```

Output Example

```
{
"Response": {
"DataResult": {
"Configs": [
{
"Cpu": 1,
"DeviceType": "CUSTOM",
"EngineType": "InnoDB",
"Id": 11,
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs"
"Iops": 1200,
"Memory": 1000,
"Status": 0,
"VolumeMax": 3000,
"VolumeMin": 25,
"VolumeStep": 5
},
{
"Cpu": 1,
"DeviceType": "CUSTOM",
"EngineType": "InnoDB",
"Id": 12,
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs"
"Iops": 2000,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"Memory": 2000,
"Status": 0,
"VolumeMax": 3000,
"VolumeMin": 25,
"VolumeStep": 5
},
{
"Cpu": 8,
"DeviceType": "CUSTOM",
"EngineType": "RocksDB",
"Id": 175,
"Info": "Large-scale game apps with millions of DAUs"
"Iops": 28000,
"Memory": 32000,
"Status": 0,
"VolumeMax": 3000,
"VolumeMin": 25,
"VolumeStep": 5
}
],
"Regions": [
{
"Area": "East China",
"IsDefaultRegion": 0,
"Region": "ap-shanghai",
"RegionConfig": [
{
"DrZone": [
"ap-guangzhou-2",
"ap-guangzhou-3",
"ap-guangzhou-4",
"ap-guangzhou-5",
"ap-guangzhou-6",
"ap-guangzhou-7"
],
"EngineType": [
"InnoDB",
"RocksDB"
],
"ExClusterRemoteRoZone": [],
"ExClusterStatus": 3,
"ExClusterZoneConf": {
"BackupZone": [],
"DeployMode": [
0
],
"MasterZone": [],
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"SlaveZone": [
},
"HourInstanceSaleMaxNum": 10000,
"IsBm": false,
"IsCustom": true,
"IsDefaultZone": false,
"IsSupportDr": true,
"IsSupportIpv6": false,
"IsSupportRemoteRo": true,
"IsSupportVpc": true,
"PayType": [
"0",
"1",
"2"
],
"ProtectMode": [
"0",
"1",
"2"
],
"RemoteRoZone": [
"ap-beijing-1",
"ap-beijing-2",
"ap-beijing-3"
],
"SellType": [
{
"ConfigIds": [],
"EngineVersion": [],
"TypeName": "CVM"
},
{
"ConfigIds": [
11,
12,
175
],
"EngineVersion": [
"5.5",
"5.6",
"5.7",
"8.0"
],
"TypeName": "Z3"
}
],
"Status": 3,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Zone": "ap-shanghai-1",
"ZoneConf": {
"BackupZone": [
"ap-shanghai-1"
],
"DeployMode": [
0,
1
],
"MasterZone": [
"ap-shanghai-1"
],
"SlaveZone": [
"ap-shanghai-1"
]
},
"ZoneId": 200001,
"ZoneName": "Shanghai Zone 1"
}
],
"RegionName": "Shanghai"
}
]
},
"RequestId": "33ad58ce-64d3-5ef4-101a-1823da6f7cad"
}
}
```


5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DBOperationActionError	Database operation failed.
InternalError.DBError	Database exception
InternalError.ExecHttpRequestError	Failed to execute the HTTP request
InternalError.HttpError	Exceptional HTTP request
InvalidParameter.JsonUnmarshalError	Failed to deserialize JSON.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBFeatures

Last updated：2024-01-30 10:26:07

1. API Description

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

This API is used to query database version attributes, including supported features such as database encryption and audit.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBFeatures.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.

3. Output Parameters

Parameter Name	Type	Description
IsSupportAudit	Boolean	Whether database audit is supported

©2013-2022 Tencent Cloud. All rights reserved.

AuditNeedUpgrade	Boolean	Whether enabling audit requires a kernel version upgrade
IsSupportEncryption	Boolean	Whether database encryption is supported
EncryptionNeedUpgrade	Boolean	Whether enabling encryption requires a kernel version upgrade
IsRemoteRo	Boolean	Whether the instance is a remote read-only instance
MasterRegion	String	Region of the source instance
IsSupportUpdateSubVersion	Boolean	Whether minor version upgrade is supported
CurrentSubVersion	String	The current kernel version
TargetSubVersion	String	Available kernel version for upgrade
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the version attributes of an instance

This API is used to query instance features, such as kernel minor version, and audit enablement status.

Input Example

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

{
"InstanceId": "cdb-qwerasdf"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"IsSupportAudit": true,
"AuditNeedUpgrade": false,
"IsSupportEncryption": true,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"EncryptionNeedUpgrade": false,
"IsRemoteRo": false,
"MasterRegion": "",
"IsSupportUpdateSubVersion": true,
"CurrentSubVersion": "20190203",
"TargetSubVersion": "20190930"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DBOperationError	Database operation failed.
InternalError.HttpError	Exceptional HTTP request
InternalError.JSONError	Failed to parse JSON.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.NetworkError	Network error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBInstanceCharset

Last updated：2024-01-30 10:26:06

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBInstanceCharset.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
Charset	String	Default character set of the instance, such as "latin1" and "utf8".
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the character set of a TencentDB instance

Input Example

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

{
"InstanceId": "cdb-f35wr6wj"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"Charset": "latin1"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DBOperationError	Database operation failed.
InternalError.ExeSqlError	SQL statement error
InternalError.OssError	An error occurred in TencentDB for MySQL High-Availability Edition database service.
InternalError.ParamError	Parameter error
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBInstanceConfig

Last updated：2024-01-30 10:26:06

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBInstanceConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

ProtectMode	Integer	Data protection mode of the primary instance. Value range: 0 (async replication), 1 (semi-sync replication), 2 (strong sync replication).
DeployMode	Integer	Master instance deployment mode. Value range: 0 (single-AZ), 1 (multi-AZ)
Zone	String	Instance AZ information in the format of "ap-shanghai-1".
SlaveConfig	SlaveConfig	Configurations of the replica node Note: `null` may be returned for this field, indicating that no valid values can be obtained.
BackupConfig	BackupConfig	Configurations of the second replica node of a strong-sync instance Note: `null` may be returned for this field, indicating that no valid values can be obtained.
Switched	Boolean	This parameter is only available for multi-AZ instances. It indicates whether the source AZ is the same as the one specified upon purchase. `true` : not the same, `false` : the same.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the configuration information of a TencentDB instance

Input Example

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

{
"InstanceId": "cdb-f35wr6wj"
}
```

Output Example

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

©2013-2022 Tencent Cloud. All rights reserved.

```
"ReplicationMode": "async",
"Zone": "ap-guangzhou-3"
},
"BackupConfig": {
"ReplicationMode": "sync",
"Vip": "",
"Vport": 0,
"Zone": "ap-guangzhou-3"
},
"ProtectMode": 0,
"Zone": "ap-guangzhou-3",
"DeployMode": 1,
"Switched": false
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description

©2013-2022 Tencent Cloud. All rights reserved.

AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DBOperationError	Database operation failed.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.JSONError	Failed to parse JSON.
InternalError.NetworkError	Network error
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBInstanceGTID

Last updated：2024-01-30 10:26:06

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBInstanceGTID.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
IsGTIDOpen	Integer	GTID enablement flag. Value range: 0 (not enabled), 1 (enabled).
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying whether GTID is enabled for a TencentDB instance

Input Example

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

{
"InstanceId": "cdb-f35wr6wj"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"IsGTIDOpen": 1
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.OssError	An error occurred in TencentDB for MySQL High-Availability Edition database service.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBInstanceInfo

Last updated：2024-01-30 10:26:05

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBInstanceInfo.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.

3. Output Parameters

Parameter Name	Type	Description
InstanceId	String	Instance ID.

©2013-2022 Tencent Cloud. All rights reserved.

InstanceName	String	Instance name.
Encryption	String	Whether encryption is enabled. YES: enabled, NO: not enabled.
KeyId	String	Encryption key ID. Note: this field may return null, indicating that no valid values can be obtained.
KeyRegion	String	Key region. Note: this field may return null, indicating that no valid values can be obtained.
DefaultKmsRegion	String	The default region of the KMS service currently used by the TencentDB backend service. Note: this field may return `null`, indicating that no valid value can be found.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying instance information

Input Example

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

{
"InstanceId": "cdb-oaj9cbla"
}
```

Output Example

```
{
"Response": {
"DefaultKmsRegion": "ap-hongkong",
"Encryption": "NO",
"InstanceId": "cdb-oaj9cbla",
"InstanceName": "cdb_name",
"KeyId": "",
"KeyRegion": "",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
```

©2013-2022 Tencent Cloud. All rights reserved.

```
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DBOperationError	Database operation failed.
InternalError.JSONError	Failed to parse JSON.
InternalError.NetworkError	Network error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.ResourceNotExists	The resource does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBInstanceRebootTime

Last updated：2024-01-30 10:26:05

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBInstanceRebootTime.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
TotalCount	Integer	Number of eligible instances.
Items	Array of InstanceRebootTime	Returned parameter information.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the estimated restart time of a TencentDB instance

Input Example

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

{
"InstanceIds": [
"cdb-f35wr6wj"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 1,
"Items": [
{
"TimeInSeconds": 50,
"InstanceId": "cdb-rozjda3j"
}
]
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.OssError	An error occurred in TencentDB for MySQL High-Availability Edition database service.
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBSwitchRecords

Last updated：2024-01-30 10:26:03

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBSwitchRecords.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
Offset	No	Integer	Pagination offset.
Limit	No	Integer	Number of entries per page. Value range: 1-2,000. Default value: 50.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
TotalCount	Integer	Number of instance switches.
Items	Array of DBSwitchInfo	Details of instance switches.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying instance switch records

Input Example

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

{
"InstanceId": "cdb-nrdbtr5o"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 1,
"Items": [
{
"SwitchTime": "2017-11-07 15:15:48",
"SwitchType": "TRANSFER"
}
]
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

DescribeRoGroups

Last updated：2024-01-30 10:26:03

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRoGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

RoGroups	Array of RoGroup	RO group information array. An instance can be associated with multiple RO groups.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the information of all RO groups of a TencentDB instance

Input Example

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

{
"InstanceId": "cdb-eggz8oj5"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"RoGroups": [
{
"RoGroupName": "ro_group_172023",
"RoMaxDelayTime": 1,
"RoOfflineDelay": 0,
"RoGroupMode": "alone",
"RoInstances": [
{
"Zone": "ap-guangzhou-3",
"MasterInstanceId": "cdb-eggz8oj5",
"Memory": 2000,
"Status": 1,
"VpcId": 0,
"InstanceId": "cdbro-h9k7cx05",
"Volume": 100,
"SubnetId": 0,
"HourFeeStatus": 1,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"RoStatus": "online",
"OfflineTime": "0000-00-00 00:00:00",
"Region": "ap-guangzhou",
"DeadlineTime": "2018-01-04 16:48:30",
"DeviceType": "CUSTOM",
"EngineVersion": "5.6",
"TaskStatus": 1,
"InstanceName": "cdb_ro_172023",
"Weight": 1,
"PayType": 0,
"InstanceType": 3,
"Vip": "10.66.199.133",
"Qps": 2400,
"Vport": 3306
}
],
"RoGroupId": "cdbrg-eb2w7dto",
"Vip": "10.66.199.133",
"MinRoInGroup": 1,
"Vport": 3306,
"WeightMode": "system"
}
]
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
InternalError.DBError	Database exception
InternalError.FtpError	File transfer exception
InternalError.HttpError	Exceptional HTTP request
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.ActionNotSupport	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeRoMinScale

Last updated：2024-01-30 10:26:02

1. API Description

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

This API is used to query the minimum specification of a read-only instance that can be purchased or upgraded to.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRoMinScale.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
RoInstanceId	No	String	Read-only instance ID in the format of "cdbro-c1nl9rpv". Its value is the same as the instance ID in the TencentDB Console. This parameter and the `MasterInstanceId` parameter cannot both be empty.
MasterInstanceId	No	String	Primary instance ID in the format of "cdbro-c1nl9rpv". Its value is the same as the instance ID in the TencentDB Console. This parameter and the `RoInstanceId` parameter cannot both be empty. Note: when the parameters are passed in with `RoInstanceId` , the return value refers to the minimum specification to which a read-only instance can be upgraded; when

©2013-2022 Tencent Cloud. All rights reserved.

			the parameters are passed in with `MasterInstanceId` but without `RoInstanceId` , the return value refers to the minimum purchasable specification for a read-only instance.

3. Output Parameters

Parameter Name	Type	Description
Memory	Integer	Memory size in MB.
Volume	Integer	Disk size in GB.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the minimum specification of a read-only instance which can be purchased or upgraded to

Input Example

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

{
"RoInstanceId": "cdbro-831kwfnh",
"MasterInstanceId": "cdb-r66ityd5"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"Volume": 50,
"Memory": 1000
```

©2013-2022 Tencent Cloud. All rights reserved.

```
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
MissingParameter.MissingParamError	Required parameters are missing.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeTagsOfInstanceIds

Last updated：2024-01-30 10:26:02

1. API Description

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

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

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTagsOfInstanceIds.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	List of instances.
Offset	No	Integer	Pagination offset.
Limit	No	Integer	Number of entries per page.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

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

4. Example

Example1 Getting the instance tag information

This example shows you how to get the instance tag information.

Input Example

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

{
"Limit": "10",
"InstanceIds": [
"cdb-uns231ns"
],
"Offset": "0"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"Offset": 0,
"Limit": 10,
"Rows": [
{
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"InstanceId": "cdb-uns231ns",
"Tags": [
{
"TagKey": "test",
"TagValue": "1231"
}
]
}
]
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.AuthError	Authentication failed.
InternalError.CdbCgwError	Internal system error.
InternalError.CdbError	System error.
InternalError.CosError	Failed to obtain file information.
InternalError.TaskError	Task exception
InternalError.TimeWindowError	Time window error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeTimeWindow

Last updated：2024-01-30 10:26:01

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTimeWindow.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

Parameter Name	Type	Description
Monday	Array of	List of maintenance time windows on Monday.

©2013-2022 Tencent Cloud. All rights reserved.

	String	
Tuesday	Array of String	List of maintenance time windows on Tuesday.
Wednesday	Array of String	List of maintenance time windows on Wednesday.
Thursday	Array of String	List of maintenance time windows on Thursday.
Friday	Array of String	List of maintenance time windows on Friday.
Saturday	Array of String	List of maintenance time windows on Saturday.
Sunday	Array of String	List of maintenance time windows on Sunday.
MaxDelayTime	Integer	Maximum data delay threshold
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the maintenance time window

Input Example

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

{
"InstanceId": "cdb-eb2w7dto"
}
```

Output Example

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

©2013-2022 Tencent Cloud. All rights reserved.

```
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"MaxDelayTime": 10,
"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

SDK

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

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

Command Line Interface

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

InitDBInstances

Last updated：2024-01-30 10:26:01

1. API Description

This API will be disused soon.

Planned disuse time: 2023-06-19 11:57:40

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

该接口不再维护，参考CreateDBInstance+API文档，在发货时即可完成初始化。

This API was disused. You can refer to the CreateDBInstance API, and initialize the instance when creating it.

This API is used to initialize a TencentDB instance, including initial password, default character set, and instance port number. But it is disused and not recommended. You can now set the instance information by using the parameter `Password`, `ParamList`, and `Port` respectively in the `CreateDBInstance` and `CreateDBInstanceHour` APIs.

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.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: InitDBInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	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.
NewPassword	Yes	String	New password of the instance. Rule: It can only contain 8-64

©2013-2022 Tencent Cloud. All rights reserved.

			characters and must contain at least two of the following types of characters: letters, digits, and special characters (!@#$%^*()).
Parameters.N	Yes	Array of ParamInfo	List of instance parameters. Currently, "character_set_server" and "lower_case_table_names" are supported, whose value ranges are ["utf8","latin1","gbk","utf8mb4"] and ["0","1"], respectively.
Vport	No	Integer	Instance port. Value range: [1024, 65535].

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestIds	Array of String	Array of async task request IDs, which can be used to query the execution results of async tasks.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Initializing new instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=InitDBInstances
&InstanceIds.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": [
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"8cd119d4-61ba-11e7-aeff-018cfa1f5560"
]
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongPassword	Incorrect password or verification failed.

©2013-2022 Tencent Cloud. All rights reserved.

©2013-2022 Tencent Cloud. All rights reserved.

IsolateDBInstance

Last updated：2024-01-30 10:26:00

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: IsolateDBInstance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
AsyncRequestId	String	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.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Isolating a TencentDB instance

Input Example

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

{
"InstanceId": "cdb-ezq1vzem"
}
```

Output Example

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

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.CdbInstanceLockFailError	Failed to lock the instance while performing exclusive operations. Please try again later.
InternalError.DBError	Database exception
InternalError.ExecHttpRequestError	Failed to execute the HTTP request
InternalError.HttpError	Exceptional HTTP request
InternalError.TradeError	Transaction system error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameter.JsonUnmarshalError	Failed to deserialize JSON.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied	Operation denied.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.InstanceLockerConflict	Instance locks are in conflict. Please try again later.
OperationDenied.InstanceStatusError	Exceptional instance status
OperationDenied.UnSupportRefundError	This instance is not refundable.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongStatus	The backend task status is invalid.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyAutoRenewFlag

Last updated：2024-01-30 10:26:00

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAutoRenewFlag.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
AutoRenew	Yes	Integer	Auto-renewal flag. Value range: 0 (auto-renewal not enabled), 1 (auto-renewal enabled).

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the auto-renewal flag of a TencentDB instance

Input Example

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

{
"AutoRenew": "1",
"InstanceIds": [
"cdb-f35wr6wj"
]
}
```

Output Example

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

5. Developer Resources

SDK

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

- Tencent Cloud SDK 3.0 for Python

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyDBInstanceName

Last updated：2024-01-30 10:25:59

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyDBInstanceName.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
InstanceName	Yes	String	The modified instance name.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Renaming a TencentDB instance

Input Example

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

{
"InstanceId": "cdb-f35wr6wj",
"InstanceName": "MyInstance"
}
```

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

ModifyDBInstanceProject

Last updated：2024-01-30 10:25:59

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyDBInstanceProject.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	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.
NewProjectId	No	Integer	Project ID.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the project to which a TencentDB instance belongs

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyDBInstanceProject
&InstanceIds.0=cdb-f35wr6wj
&NewProjectId=12
&<Common request parameters>
```

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.TagError	Failed to modify the tag. Please try again later.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

ModifyDBInstanceVipVport

Last updated：2024-01-30 10:25:58

1. API Description

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

This API is used to modify the IP and port number of a TencentDB instance, switch from classic network to VPC, or change VPC subnets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyDBInstanceVipVport.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv, cdbro-c2nl9rpv, or cdbrg-c3nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the DescribeDBInstances API to query the ID, which is the value of the `InstanceId` output parameter.
DstIp	No	String	Target IP. Either this parameter or `DstPort` must be passed in.

©2013-2022 Tencent Cloud. All rights reserved.

DstPort	No	Integer	Target port number. Value range: 1024-65535. Either this parameter or `DstIp` must be passed in.
UniqVpcId	No	String	Unified VPC ID
UniqSubnetId	No	String	Unified subnet ID
ReleaseDuration	No	Integer	Repossession duration in hours for old IP in the original network when changing from classic network to VPC or changing the VPC subnet. Value range: 0–168. Default value: `24` .

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID. This parameter is deprecated. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the IP and port number of a TencentDB instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyDBInstanceVipVport
&InstanceId=cdb-f35wr6wj
&DstIp=10.0.1.1
&DstPort=1025
&UniqVpcId=11357
&UniqSubnetId=23789
&ReleaseDuration=12
&<Common request parameters>
```

Output Example

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

©2013-2022 Tencent Cloud. All rights reserved.

```
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "d2baf2fb-cbae62df-7dd0d736-9cbd3e31"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.JSONError	Failed to parse JSON.
InternalError.NetworkError	Network error
InternalError.VpcError	VPC or subnet error.
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyInstanceTag

Last updated：2024-01-30 10:25:58

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyInstanceTag.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.
ReplaceTags.N	No	Array of TagInfo	Tag to be added or modified.
DeleteTags.N	No	Array of TagInfo	Tag to be deleted.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying or deleting an instance tag

This example shows you how to add, modify, or delete an instance tag.

Input Example

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

{
"InstanceId": "cdb-uns231ns",
"ReplaceTags": [
{
"TagKey": "march1",
"TagValue": [
"marchtest1"
]
}
]
}
```

Output Example

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

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
CdbError.BackupError	Backup error.
CdbError.DatabaseError	Backend database error.
CdbError.ImportError	Import task error.
CdbError.TaskError	Backend task error.
InternalError.CosError	Failed to obtain file information.
InternalError.DatabaseAccessError	Internal database error.
InternalError.TagError	Failed to modify the tag. Please try again later.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ResourceNotFound	The resource is not found.
InvalidParameterValue.DataConvertError	Data conversion failed.
OperationDenied	Operation denied.
UnauthorizedOperation.NotEnoughPrivileges	Verification failed. Insufficient permissions.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyRoGroupInfo

Last updated：2024-01-30 10:25:57

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 a read-only instance removal policy in case of excessive delay, setting read weights of read-only instances, and setting the replication delay.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyRoGroupInfo.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
RoGroupId	Yes	String	RO group ID.
RoGroupInfo	No	RoGroupAttr	RO group details.
RoWeightValues.N	No	Array of RoWeightValue	Weights of instances in RO group. If the weighting mode of an RO group is changed to custom mode,

©2013-2022 Tencent Cloud. All rights reserved.

			this parameter must be set, and a weight value needs to be set for each RO instance.
IsBalanceRoLoad	No	Integer	Whether to rebalance the loads of read-only replicas in the RO group. Valid values: `1` (yes), `0` (no). Default value: `0` . If this parameter is set to `1` , connections to the read-only replicas in the RO group will be interrupted transiently. Please ensure that your application has a reconnection mechanism.
ReplicationDelayTime	No	Integer	This field has been deprecated.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID. Note: this field may return `null` , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Configuring the removal policy for delayed instances in an RO group

Input Example

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

{
"RoGroupId": "cdbrg-iup41a4t",
"RoGroupInfo": {
"RoOfflineDelay": "1",
"MinRoInGroup": "1",
"RoMaxDelayTime": "10"
```

©2013-2022 Tencent Cloud. All rights reserved.

```
}
}
```

Output Example

```
{
"Response": {
"RequestId": "xx",
"AsyncRequestId": "xx"
}
}
```

Example2 Rebalancing the weights of instances in an RO group

Input Example

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

{
"RoWeightValues": [
{
"InstanceId": "cdbr0-test1234",
"Weight": "70"
},
{
"InstanceId": "cdbr0-iup41a4t",
"Weight": "30"
}
],
"IsBalanceRoLoad": "1",
"RoGroupId": "cdbrg-iup41a4t",
"RoGroupInfo": {
"WeightMode": "custom"
}
}
```

Output Example

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

©2013-2022 Tencent Cloud. All rights reserved.

```
"RequestId": "xx",
"AsyncRequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
FailedOperation.StatusConflict	Task status conflict.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.DatabaseAccessError	Internal database error.
InternalError.TaskFrameError	Async task error.
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
MissingParameter.MissingParamError	Required parameters are missing.
OperationDenied.ConflictRoStatus	The operation is not allowed as the RO group contains an invalid read-only instance.
OperationDenied.ConflictStatus	The configuration of read-only group is being modified. Please do not make repeated requests.
OperationDenied.DelayReplicationRunning	The operation is not allowed during the delayed replication.
OperationDenied.InstanceLockerConflict	Instance locks are in conflict. Please try again later.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyTimeWindow

Last updated：2024-01-30 10:25:57

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyTimeWindow.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
TimeRanges.N	Yes	Array of String	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].
Weekdays.N	No	Array of String	Specifies for which day to modify the time period. Value range: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday,

©2013-2022 Tencent Cloud. All rights reserved.

			Sunday. If it is not specified or is left blank, the time period will be modified for every day by default.
MaxDelayTime	No	Integer	Data delay threshold. It takes effect only for source instance and disaster recovery instance. Default value: 10.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Updating a maintenance time window

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyTimeWindow
&InstanceId=cdb-eb2w7dto
&TimeRanges.0=03:00-03:30
&Weekdays.0=monday
&MaxDelayTime=10
&<Common request parameters>
```

Output Example

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

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DBOperationError	Database operation failed.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

OfflineIsolatedInstances

Last updated：2024-01-30 10:25:56

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: OfflineIsolatedInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Eliminating an isolated TencentDB instance

Input Example

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

{
"InstanceIds": [
"cdb-70zdmgg1"
]
}
```

Output Example

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

5. Developer Resources

SDK

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.FtpError	File transfer exception
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

OpenDBInstanceEncryption

Last updated：2024-01-30 10:25:56

1. API Description

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

This API is used to enable the encryption feature for instance data storage, and custom keys are supported.

Note: Before enabling data storage encryption for an instance, you need to perform the following operations:

1. Initialize an instance.
2. Enable KMS service
3. Grant permission to access KMS for TencentDB for MySQL. The role name is `MySQL_QCSRole` , and the preset policy name is `QcloudAccessForMySQLRole` .

This API calling may take up to 10 seconds, causing the client to time out. If it returns `InternalError` , call `DescribeDBInstanceInfo` to confirm whether the backend encryption is enabled successfully.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: OpenDBInstanceEncryption.

©2013-2022 Tencent Cloud. All rights reserved.

Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	TencentDB instance ID
KeyId	No	String	Custom key ID, which is the unique CMK ID. If this value is empty, the key KMS-CDB auto-generated by Tencent Cloud will be used.
KeyRegion	No	String	Custom storage region, such as ap-guangzhou. When `KeyId` is not empty, this parameter is required.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enabling encryption

Input Example

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

{
"InstanceId": "cdb-qwer1234",
"KeyId": "testkey",
"KeyRegion": "ap-guangzou"
}
```

Output Example

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

©2013-2022 Tencent Cloud. All rights reserved.

```
"RequestId": "1ac120c8-744a-4c15-be4e-4431511c0233"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.HttpRequestError	Request failed.
InternalError.KmsError	Failed to enable encryption
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

OpenDBInstanceGTID

Last updated：2024-01-30 10:25:55

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: OpenDBInstanceGTID.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enabling GTID for an instance

Input Example

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

{
"InstanceId": "cdb-f35wr6wj"
}
```

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.StatusConflict	Task status conflict.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

OpenWanService

Last updated：2024-01-30 10:25:55

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: OpenWanService.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enabling public network access for an instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=OpenWanService
&InstanceId=cdb-ezq1vzem
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "b4a719b5-ffb34ab6-816c43c1-8c6a23eb"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.WrongStatus	The backend task status is invalid.

©2013-2022 Tencent Cloud. All rights reserved.

ReleaseIsolatedDBInstances

Last updated：2024-01-30 10:25:54

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReleaseIsolatedDBInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	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.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
Items	Array of ReleaseResult	Deisolation result set.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deisolating a TencentDB instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ReleaseIsolatedDBInstances
&InstanceIds.0=cdb-f35wr6wj
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "eeab769d-0c08-456a-971f-dc24f4c585c8",
"Items": [
{
"InstanceId": "cdb-f35wr6wj",
"Code": 0,
"Message": "ok"
}
]
}
}
```

5. Developer Resources

SDK

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

- Tencent Cloud SDK 3.0 for Python

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.OperationInConflictErr	The instance has an operation in progress. Try again later.
InternalError.DatabaseAccessError	Internal database error.
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.InstanceUnsupportedOperateError	The instance does not support this operation.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongStatus	The backend task status is invalid.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

RenewDBInstance

Last updated：2024-01-30 10:25:54

1. API Description

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

This API is used to renew a monthly subscribed TencentDB instance, and a pay-as-you-go instance can be renewed as a monthly subscribed one by this API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: RenewDBInstance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance to be renewed in the format of cdb-c1nl9rpv, which is the same as the instance ID displayed in the TencentDB console. You can use the DescribeDBInstances API to query the ID.
TimeSpan	Yes	Integer	Renewal period in months. Valid values: `1` , `2` , `3` , `4` , `5` , `6` , `7` , `8` , `9` , `10` , `11` , `12` , `24` , `36` .
ModifyPayType	No	String	To renew a pay-as-you-go instance to a monthly subscribed one, you need to set this parameter to `PREPAID` .

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
DealId	String	Order ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Renewing a TencentDB instance

Input Example

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

{
"InstanceId": "cdb-ezq1vzem",
"TimeSpan": "12"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"DealId": "20170320233333"
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.CdbCgwError	Internal system error.
InternalError.TradeError	Transaction system error.
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

RestartDBInstances

Last updated：2024-01-30 10:25:53

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 primary 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.

We recommend you to use API Explorer

Try it

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: RestartDBInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	Array of instance IDs in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Restarting an instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=RestartDBInstances
&InstanceIds.0=cdb-f35wr6wj
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "9ad9c2d5-88007b27-7d2c8b8c-f2598f12"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.TaskFrameError	Async task error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

StartReplication

Last updated：2024-01-30 10:25:52

1. API Description

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

This API is used to start the data replication from the source instance to the read-only instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StartReplication.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Read-Only instance ID.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID. Note: this field may return `null` , indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Starting the data replication to a read-only instance

Input Example

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

{
"InstanceId": "cdb-test"
}
```

Output Example

```
{
"Response": {
"RequestId": "xx",
"AsyncRequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
InternalError	An internal error occurred.
InternalError.DBError	Database exception
InternalError.UnknownError	Unknown error
OperationDenied.InstanceTaskRunning	Delayed replication is not allowed because the instance is executing another task.
ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

StopReplication

Last updated：2024-01-30 10:25:52

1. API Description

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

This API is used to stop the data replication from the source instance to the read-only instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StopReplication.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Read-Only instance ID.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID. Note: this field may return `null` , indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Stopping the data replication to a read-only instance

Input Example

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

{
"InstanceId": "cdb-test"
}
```

Output Example

```
{
"Response": {
"RequestId": "xx",
"AsyncRequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.NotDelayRo	It is not a read-only instance with delayed replication enabled.
InternalError	An internal error occurred.
InternalError.DBError	Database exception
InternalError.UnknownError	Unknown error
OperationDenied.InstanceTaskRunning	Delayed replication is not allowed because the instance is executing another task.
ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

SwitchDBInstanceMasterSlave

Last updated：2024-01-30 10:25:51

1. API Description

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

This API is used for source-to-replica switch.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SwitchDBInstanceMasterSlave.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
DstSlave	No	String	Specifies the replica server to switched to. Valid values: `first` (the first replica server), `second` (the second replica server). Default value: `first` . `second` is valid only for a multi-AZ instance.
ForceSwitch	No	Boolean	Whether to force the switch. Valid values: `True` , `False` (default). If this parameter is set to `True` , instance data may be lost during the switch.

©2013-2022 Tencent Cloud. All rights reserved.

WaitSwitch	No	Boolean	Whether to perform the switch during a time window. Valid values: `True` , `False` (default). If `ForceSwitch` is set to `True` , this parameter is invalid.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Performing a source-replica switch

Input Example

```
https://cdb.tencentcloudapi.com/?Action=SwitchDBInstanceMasterSlave
&InstanceId=cdb-xxxxxxxx
&DstSlave=second
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "faae8d6a-38fb-44de-988e-5a0e78aba4a7",
"AsyncRequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError.DatabaseError	Backend database error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
OperationDenied.InstanceStatusError	Exceptional instance status
OperationDenied.InstanceUnsupportedOperateError	The instance does not support this operation.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

SwitchDrInstanceToMaster

Last updated：2024-01-30 10:25:51

1. API Description

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

This API is used to promote a disaster recovery instance to source instance. The request parameter `Region` must be the region of the disaster recovery instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SwitchDrInstanceToMaster.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Disaster recovery instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Promoting a disaster recovery instance to source instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=SwitchDrInstanceToMaster
&InstanceId=cdb-9kq0g26l
&<Common request parameters>
```

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.StatusConflict	Task status conflict.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongStatus	The backend task status is invalid.

©2013-2022 Tencent Cloud. All rights reserved.

SwitchForUpgrade

Last updated：2024-01-30 10:25:50

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 primary instance being upgraded is pending switch.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SwitchForUpgrade.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Switching to a new instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=SwitchForUpgrade
&InstanceId=cdb-eb2w7dto
&<Common request parameters>
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

©2013-2022 Tencent Cloud. All rights reserved.

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
InternalError.DatabaseAccessError	Internal database error.
InvalidParameter	Parameter error.
OperationDenied	Operation denied.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

UpgradeDBInstance

Last updated：2024-01-30 10:25:50

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 primary instance, disaster recovery instance, or read-only instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UpgradeDBInstance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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 DescribeDBInstances API to query the ID, whose value is the `InstanceId` value in output parameters.
Memory	Yes	Integer	Memory size in MB after upgrade. To ensure that the `Memory` value to be passed in is valid, please use the DescribeDBZoneConfig API to query the specifications of the memory that can be upgraded to.

©2013-2022 Tencent Cloud. All rights reserved.

Volume	Yes	Integer	Disk size in GB after upgrade. To ensure that the `Volume` value to be passed in is valid, please use the DescribeDBZoneConfig API to query the specifications of the disk that can be upgraded to.
ProtectMode	No	Integer	Data replication mode. Valid values: 0 (async), 1 (semi-sync), 2 (strong sync). This parameter can be specified when upgrading primary instances and is meaningless for read-only or disaster recovery instances.
DeployMode	No	Integer	Deployment mode. Valid values: 0 (single-AZ), 1 (multi-AZ). Default value: 0. This parameter can be specified when upgrading primary instances and is meaningless for read-only or disaster recovery instances.
SlaveZone	No	String	AZ information of secondary database 1, which is the `Zone` value of the instance by default. This parameter can be specified when upgrading primary 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.
EngineVersion	No	String	Version of primary instance database engine. Valid values: 5.5, 5.6, 5.7.
WaitSwitch	No	Integer	Switch mode for accessing the 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 SwitchForUpgrade API to trigger the process.
BackupZone	No	String	AZ information of secondary database 2, which is empty by default. This parameter can be specified when upgrading primary instances and is meaningless for read-only or disaster recovery instances.
InstanceRole	No	String	Instance type. Valid values: master (primary instance), dr (disaster recovery instance), ro (read-only instance). Default value: master.
DeviceType	No	String	The resource isolation type after the instance is upgraded. Valid values: `UNIVERSAL` (general instance), `EXCLUSIVE` (dedicated instance), `BASIC` (basic instance). If this parameter is left empty, the resource isolation type will be the same as the original one.
Cpu	No	Integer	The number of CPU cores after the instance is upgraded. If this parameter is left empty, the minimum value will be automatically filled based on the value specified by `Memory` .
FastUpgrade	No	Integer	QuickChange options. Valid values: `0` (common upgrade), `1`

©2013-2022 Tencent Cloud. All rights reserved.

			(QuickChange), `2` (QuickChange first). After QuickChange is enabled, the required resources will be checked. QuickChange will be performed only when the required resources support the feature; otherwise, an error message will be returned.
MaxDelayTime	No	Integer	Delay threshold. Value range: 1-10. Default value: `10` .
CrossCluster	No	Integer	Whether to migrate the source node across AZs. Valid values: `0` (no), `1` (yes). Default value: `0` . If it is `1` , you can modify the source node AZ.
ZoneId	No	String	New AZ of the source node. This field is only valid when `CrossCluster` is `1` . Only migration across AZs in the same region is supported.
RoTransType	No	String	Processing logic of the intra-AZ read-only instance for cross-cluster migration. Valid values: `together` (intra-AZ read-only instances will be migrated to the target AZ with the source instance by default.), `severally` (intra-AZ read-only instances will maintain the original deployment mode and will not be migrated to the target AZ.).

3. Output Parameters

Parameter Name	Type	Description
DealIds	Array of String	Order ID.
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Upgrading a TencentDB instance

This example shows you how to upgrade a TencentDB instance.

Input Example

©2013-2022 Tencent Cloud. All rights reserved.

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

{
"InstanceId": "cdb-6si6qy6p",
"Volume": "50",
"Memory": "1000"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"DealIds": [
"20171204110077"
],
"AsyncRequestId": "a6040589-3b098df5-b551d9e5-81c6bfdc"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

©2013-2022 Tencent Cloud. All rights reserved.

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.CauthError	Authentication failed.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.FtpError	File transfer exception
InternalError.TradeError	Transaction system error.
InternalError.UndefinedError	Unknown error
InternalError.VpcError	VPC or subnet error.
InvalidParameter	Parameter error.
OperationDenied	Operation denied.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

UpgradeDBInstanceEngineVersion

Last updated：2024-01-30 10:25:49

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 primary instance, disaster recovery instance, or read-only instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UpgradeDBInstanceEngineVersion.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
EngineVersion	Yes	String	Version of primary instance database engine. Value range: 5.6, 5.7
WaitSwitch	No	Integer	Switch mode for accessing the new instance. Valid values: `0`

©2013-2022 Tencent Cloud. All rights reserved.

			(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 SwitchForUpgrade API to trigger the process.
UpgradeSubversion	No	Integer	Whether to upgrade kernel minor version. Valid values: 1 (upgrade kernel minor version), 0 (upgrade database engine).
MaxDelayTime	No	Integer	Delay threshold. Value range: 1-10

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID. The task execution result can be queried using the async task execution result querying API.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Upgrading the version of a TencentDB instance

This example shows you how to upgrade the version of a TencentDB instance.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: UpgradeDBInstanceEngineVersion<common request parameters>{ "InstanceId": "cdb-8qrg9t04", "EngineVersion": "5.7"}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "d2baf2fb-cbae62df-7dd0d736-9cbd3e31"
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.StatusConflict	Task status conflict.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.FtpError	File transfer exception
InternalError.TradeError	Transaction system error.
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBInstances

Last updated：2024-01-30 10:26:04

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 primary, 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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProjectId	No	Integer	Project ID.
InstanceTypes.N	No	Array of Integer	Instance type. Value range: 1 (primary), 2 (disaster recovery), 3 (read-only).
Vips.N	No	Array of String	Private IP address of the instance.

©2013-2022 Tencent Cloud. All rights reserved.

Status.N	No	Array of Integer	Instance status. Valid values: `0` (creating) `1` (running) `4` (isolating) `5` (isolated; the instance can be restored and started in the recycle bin)
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of results to be returned for a single request. Default value: 20. Maximum value: 2,000.
SecurityGroupId	No	String	Security group ID. When it is used as a filter, the `WithSecurityGroup` parameter should be set to 1.
PayTypes.N	No	Array of Integer	Billing method. Value range: 0 (monthly subscribed), 1 (hourly).
InstanceNames.N	No	Array of String	Instance name.
TaskStatus.N	No	Array of Integer	Instance task status. Valid values: 0 - no task 1 - upgrading 2 - importing data 3 - enabling secondary instance access 4 - enabling public network access 5 - batch operation in progress 6 - rolling back 7 - disabling public network access 8 - modifying password 9 - renaming instance 10 - restarting 12 - migrating self-built database 13 - dropping tables 14 - Disaster recovery instance creating sync task 15 - waiting for switch 16 - switching 17 - upgrade and switch completed 19 - parameter settings to be executed
EngineVersions.N	No	Array of String	Version of the instance database engine. Value range: 5.1, 5.5, 5.6, 5.7.

©2013-2022 Tencent Cloud. All rights reserved.

VpcIds.N	No	Array of Integer	VPC ID.
ZoneIds.N	No	Array of Integer	AZ ID.
SubnetIds.N	No	Array of Integer	Subnet ID.
CdbErrors.N	No	Array of Integer	Whether to lock disk write. Valid values: `0` (unlock), `1` (lock). Default value: 0.
OrderBy	No	String	Sort by field of the returned result set. Currently, supported values include "InstanceId", "InstanceName", "CreateTime", and "DeadlineTime".
OrderDirection	No	String	Sorting method of the returned result set. Currently, "ASC" or "DESC" is supported.
WithSecurityGroup	No	Integer	Whether security group ID is used as a filter
WithExCluster	No	Integer	Whether dedicated cluster details are included. Value range: 0 (not included), 1 (included)
ExClusterId	No	String	Exclusive cluster ID.
InstanceIds.N	No	Array of String	Instance ID.
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 primary 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

©2013-2022 Tencent Cloud. All rights reserved.

			(not included), 1 (included). Default value: 1.
WithMaster	No	Integer	Whether primary instances are included. Valid values: 0 (not included), 1 (included). Default value: 1.
DeployGroupIds.N	No	Array of String	Placement group ID list.
TagKeysForSearch.N	No	Array of String	Whether to use the tag key as a filter condition
CageIds.N	No	Array of String	Financial cage IDs.
TagValues.N	No	Array of String	Tag value
UniqueVpcIds.N	No	Array of String	VPC character vpcId
UniqSubnetIds.N	No	Array of String	VPC character subnetId
Tags.N	No	Array of Tag	Tag key value
ProxyVips.N	No	Array of String	Database proxy IP
ProxyIds.N	No	Array of String	Database proxy ID
EngineTypes.N	No	Array of String	Database engine type

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible instances.
Items	Array of InstanceInfo	List of instance details
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the list of instances

This example shows you how to query the list of instances.

Input Example

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

{
"InstanceIds": [
"cdb-70zdmgg1"
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"RequestId": "97939db3-ef94-4a60-9b64-2a1f4e2f1ea3",
"Items": [
{
"WanStatus": 0,
"Zone": "100001",
"WanPort": 0,
"DiskType": "test",
"RoVipInfo": {
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"RoVport": 0,
"RoVpcId": 0,
"RoVipStatus": 0,
"RoVip": "192.168.1.1",
"RoSubnetId": 0
},
"Memory": 1000,
"EngineType": "InnoDB",
"Status": 1,
"VpcId": 511512,
"SlaveInfo": {
"Second": {
"Vport": 0,
"Vip": "test",
"Region": "ap-guangzhou",
"Zone": "ap-guangzhou-1"
},
"First": {
"Vport": 0,
"Vip": "test",
"Region": "ap-guangzhou",
"Zone": "ap-guangzhou-1"
}
},
"InstanceId": "cdn-abc",
"PhysicalId": "test",
"Volume": 50,
"AutoRenew": 0,
"ProtectMode": 0,
"CdbError": 0,
"DeviceClass": "test",
"MasterInfo": {
"Status": 0,
"VpcId": 0,
"Zone": "100001",
"ExClusterName": "test",
"InstanceId": "test",
"ResourceId": "test",
"Region": "ap-guangzhou",
"RegionId": 0,
"ZoneId": 0,
"Volume": 0,
"DeviceType": "test",
"Memory": 0,
"SubnetId": 0,
"Qps": 0,
"TaskStatus": 0,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"InstanceName": "test",
"InstanceType": 0,
"ExClusterId": "test"
},
"DeployGroupId": "test",
"InstanceNodes": 2,
"RoGroups": [
{
"RoOfflineDelay": 0,
"RoGroupMode": "test",
"RoGroupZone": "test",
"MinRoInGroup": 1,
"DelayReplicationTime": 0,
"RoGroupId": "test",
"RoMaxDelayTime": 1,
"RoGroupName": "test",
"Weight": 0,
"UniqVpcId": "test",
"RoInstances": [
{
"Zone": "test",
"MasterInstanceId": "test",
"Memory": 1000,
"Status": 1,
"VpcId": 511512,
"InstanceId": "test",
"Volume": 50,
"OfflineTime": "test",
"SubnetId": 115839,
"HourFeeStatus": 1,
"RoStatus": "test",
"Region": "test",
"DeadlineTime": "test",
"TaskStatus": 0,
"DeviceType": "test",
"EngineVersion": "test",
"InstanceName": "test",
"Weight": 0,
"PayType": 1,
"InstanceType": 3,
"Vip": "test",
"Qps": 1000,
"Vport": 3306
}
],
"Vip": "test",
"UniqSubnetId": "test",
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"RoGroupRegion": "test",
"Vport": 3306,
"WeightMode": "test"
},
{
"RoOfflineDelay": 0,
"RoGroupMode": "test",
"RoGroupZone": "test",
"MinRoInGroup": 1,
"DelayReplicationTime": 0,
"RoGroupId": "test",
"RoMaxDelayTime": 1,
"RoGroupName": "test",
"UniqVpcId": "test",
"Weight": 0,
"RoInstances": [
{
"Zone": "test",
"MasterInstanceId": "test",
"Memory": 1000,
"Status": 1,
"VpcId": 511512,
"InstanceId": "test",
"Volume": 25,
"OfflineTime": "test",
"SubnetId": 115839,
"HourFeeStatus": 1,
"RoStatus": "test",
"Region": "test",
"DeadlineTime": "test",
"TaskStatus": 0,
"DeviceType": "test",
"EngineVersion": "test",
"InstanceName": "test",
"Weight": 0,
"PayType": 1,
"InstanceType": 3,
"Vip": "test",
"Qps": 1000,
"Vport": 3306
}
],
"Vip": "test",
"UniqSubnetId": "test",
"RoGroupRegion": "test",
"Vport": 3306,
"WeightMode": "test"
```


©2013-2022 Tencent Cloud. All rights reserved.

```
}
],
"ProjectId": 0,
"DeadlineTime": "2020-09-22 00:00:00",
"DeployMode": 0,
"TaskStatus": 0,
"SubnetId": 115839,
"DeviceType": "test",
"EngineVersion": "test",
"MaxDelayTime": 0,
"InstanceName": "test",
"Cpu": 8,
"DrInfo": [
{
"Status": 0,
"Zone": "test",
"InstanceId": "test",
"Region": "test",
"SyncStatus": 0,
"InstanceName": "test",
"InstanceType": 0
}
],
"UniqVpcId": "test",
"WanDomain": "test",
"InitFlag": 1,
"PayType": 1,
"InstanceType": 1,
"Vip": "test",
"UniqSubnetId": "test",
"Region": "test",
"Qps": 0,
"Vport": 3306,
"TagList": [
{
"TagKey": "test",
"TagValue": "test"
}
],
"CreateTime": "test",
"ZoneId": 720001,
"ZoneName": "test"
}
]
}
}
```


©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DBOperationError	Database operation failed.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DesError	Internal system error.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.InternalServiceErrorErr	An error occurred while accessing internal service.
InternalError.UndefinedError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongStatus	The backend task status is invalid.
UnsupportedOperation	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBZoneConfig

Last updated：2022-08-17 15:58:19

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBZoneConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of configurations in purchasable regions

©2013-2022 Tencent Cloud. All rights reserved.

Items	Array of RegionSellConf	Details of configurations in purchasable regions
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the purchasable TencentDB specifications

Input Example

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

Output Example

```
{
"Response": {
"TotalCount": 2,
"Items": [
{
"RegionName": "Guangzhou",
"Area": "South China",
"IsDefaultRegion": 0,
"Region": "ap-guangzhou",
"ZonesConf": [
{
"Status": 1,
"ZoneName": "Guangzhou Zone 2",
"IsCustom": true,
"IsSupportDr": true,
"IsSupportRemoteRo": true,
"IsSupportVpc": true,
"HourInstanceSaleMaxNum": 100,
"IsDefaultZone": false,
"IsBm": false,
"PayType": [
"0",
"1",
"2"
],
"DrZone": [
"ap-shanghai-1",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"ap-shanghai-2",
"ap-shanghai-3",
"ap-shanghai-4",
"ap-beijing-1",
"ap-beijing-2",
"ap-beijing-3",
"ap-beijing-4",
"ap-guangzhou-open-1",
"ap-guangzhou-3",
"ap-guangzhou-4",
"ap-chengdu-1",
"ap-chengdu-2",
"ap-chongqing-1",
"na-ashburn-1",
"ap-nanjing-1"
],
"RemoteRoZone": [
"ap-shanghai-2",
"ap-hongkong-2"
],
"ProtectMode": [
"0",
"1",
"2"
],
"ZoneConf": {
"DeployMode": [
0,
1
],
"MasterZone": [
"ap-guangzhou-2"
],
"SlaveZone": [
"ap-guangzhou-2",
"ap-guangzhou-3"
],
"BackupZone": [
"ap-guangzhou-2",
"ap-guangzhou-3"
]
},
"Zone": "ap-guangzhou-2",
"SellType": [
{
"TypeName": "Z3",
"EngineVersion": [
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"5.5",
"5.6",
"5.7",
"8.0"
],
"Configs": [
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 1000,
"Cpu": 1,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 600,
"Qps": 1000,
"Iops": 900,
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 2000,
"Cpu": 1,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 1000,
"Qps": 2400,
"Iops": 1500,
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 4000,
"Cpu": 2,
"VolumeMin": 25,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 1500,
"Qps": 4400,
"Iops": 3000,
"Info": "Medium-scale game apps with hundreds of thousands of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 8000,
"Cpu": 4,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 2500,
"Qps": 7200,
"Iops": 6000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 16000,
"Cpu": 4,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 5000,
"Qps": 18000,
"Iops": 12000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 32000,
"Cpu": 8,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 10000,
"Qps": 25000,
"Iops": 18000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 64000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 18000,
"Qps": 37689,
"Iops": 24000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 96000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 24000,
"Qps": 40919,
"Iops": 30000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 128000,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 24000,
"Qps": 61378,
"Iops": 32000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 192000,
"Cpu": 24,
"VolumeMin": 50,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 28000,
"Qps": 100000,
"Iops": 42000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 244000,
"Cpu": 24,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 32000,
"Qps": 122755,
"Iops": 48000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Memory": 488000,
"Cpu": 48,
"VolumeMin": 6000,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 64000,
"Qps": 245509,
"Iops": 75000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 690000,
"Cpu": 80,
"VolumeMin": 6000,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 80000,
"Qps": 300000,
"Iops": 90000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
}
]
}
]
}
]
},
{
"RegionName": "Shanghai",
"Area": "East China",
"IsDefaultRegion": 0,
"Region": "ap-shanghai",
"ZonesConf": [
{
"Status": 1,
"ZoneName": "Shanghai Zone 1",
"IsCustom": true,
"IsSupportDr": true,
"IsSupportRemoteRo": true,
"IsSupportVpc": true,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"HourInstanceSaleMaxNum": 100,
"IsDefaultZone": false,
"IsBm": false,
"PayType": [
"0",
"1",
"2"
],
"DrZone": [
"ap-guangzhou-2",
"ap-guangzhou-3",
"ap-guangzhou-4",
"ap-beijing-1",
"ap-beijing-2",
"ap-beijing-3",
"ap-beijing-4",
"ap-guangzhou-open-1",
"ap-shanghai-2",
"ap-shanghai-3",
"ap-shanghai-4",
"ap-chengdu-1",
"ap-chengdu-2"
],
"RemoteRoZone": [
"ap-shanghai-3",
"ap-beijing-1",
"ap-beijing-2",
"ap-beijing-3",
"ap-beijing-5",
"ap-guangzhou-2",
"ap-guangzhou-3"
],
"ProtectMode": [
"0",
"1",
"2"
],
"ZoneConf": {
"DeployMode": [
0,
1
],
"MasterZone": [
"ap-shanghai-1"
],
"SlaveZone": [
"ap-shanghai-1",
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"ap-shanghai-2"
],
"BackupZone": [
"ap-shanghai-1",
"ap-shanghai-2"
]
},
"Zone": "ap-shanghai-1",
"SellType": [
{
"TypeName": "Z3",
"EngineVersion": [
"5.5",
"5.6",
"5.7",
"8.0"
],
"Configs": [
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 1000,
"Cpu": 1,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 600,
"Qps": 1000,
"Iops": 900,
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 2000,
"Cpu": 1,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 1000,
"Qps": 2400,
"Iops": 1500,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 4000,
"Cpu": 2,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 1500,
"Qps": 4400,
"Iops": 3000,
"Info": "Medium-scale game apps with hundreds of thousands of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 8000,
"Cpu": 4,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 2500,
"Qps": 7200,
"Iops": 6000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 16000,
"Cpu": 4,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 5000,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Qps": 18000,
"Iops": 12000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 32000,
"Cpu": 8,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 10000,
"Qps": 25000,
"Iops": 18000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 64000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 18000,
"Qps": 37689,
"Iops": 24000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 96000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Connection": 24000,
"Qps": 40919,
"Iops": 30000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 128000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 24000,
"Qps": 61378,
"Iops": 32000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 244000,
"Cpu": 24,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 32000,
"Qps": 122755,
"Iops": 48000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 488000,
"Cpu": 48,
"VolumeMin": 6000,
"VolumeMax": 6000,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"VolumeStep": 5,
"Connection": 64000,
"Qps": 245509,
"Iops": 75000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 690000,
"Cpu": 80,
"VolumeMin": 6000,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 80000,
"Qps": 300000,
"Iops": 90000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
}
]
}
]
},
{
"Status": 2,
"ZoneName": "Shanghai Zone 2",
"IsCustom": true,
"IsSupportDr": true,
"IsSupportRemoteRo": true,
"IsSupportVpc": true,
"HourInstanceSaleMaxNum": 100,
"IsDefaultZone": false,
"IsBm": false,
"PayType": [
"0",
"1",
"2"
],
"DrZone": [
"ap-guangzhou-1",
"ap-guangzhou-2",
"ap-guangzhou-3",
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"ap-guangzhou-4",
"ap-shanghai-1",
"ap-shanghai-3",
"ap-shanghai-4",
"ap-beijing-1",
"ap-beijing-2",
"ap-beijing-3",
"ap-beijing-4",
"ap-guangzhou-open-1",
"ap-chengdu-1",
"ap-chengdu-2"
],
"RemoteRoZone": [
"ap-beijing-1",
"ap-beijing-5"
],
"ProtectMode": [
"0",
"1",
"2"
],
"ZoneConf": {
"DeployMode": [
0,
1
],
"MasterZone": [
"ap-shanghai-2"
],
"SlaveZone": [
"ap-shanghai-1",
"ap-shanghai-2",
"ap-shanghai-4",
"ap-shanghai-5"
],
"BackupZone": [
"ap-shanghai-1",
"ap-shanghai-2",
"ap-shanghai-4",
"ap-shanghai-5"
]
},
"Zone": "ap-shanghai-2",
"SellType": [
{
"TypeName": "Z3",
"EngineVersion": [
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"5.5",
"5.6",
"5.7",
"8.0"
],
"Configs": [
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 1000,
"Cpu": 1,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 600,
"Qps": 1000,
"Iops": 900,
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 2000,
"Cpu": 1,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 1000,
"Qps": 2400,
"Iops": 1500,
"Info": "Small-scale game apps with tens of thousands of DAUs or widget apps with
millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 4000,
"Cpu": 2,
"VolumeMin": 25,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 1500,
"Qps": 4400,
"Iops": 3000,
"Info": "Medium-scale game apps with hundreds of thousands of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 8000,
"Cpu": 4,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 2500,
"Qps": 7200,
"Iops": 6000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 16000,
"Cpu": 2,
"VolumeMin": 200,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 6000,
"Qps": 18000,
"Iops": 9000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 16000,
"Cpu": 4,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 5000,
"Qps": 18000,
"Iops": 12000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 16000,
"Cpu": 4,
"VolumeMin": 200,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 6000,
"Qps": 18000,
"Iops": 9000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 32000,
"Cpu": 8,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 10000,
"Qps": 25000,
"Iops": 18000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 32000,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Cpu": 4,
"VolumeMin": 200,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 12000,
"Qps": 25000,
"Iops": 18000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 32000,
"Cpu": 8,
"VolumeMin": 200,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 12000,
"Qps": 25000,
"Iops": 18000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 64000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 18000,
"Qps": 37689,
"Iops": 24000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Memory": 64000,
"Cpu": 16,
"VolumeMin": 200,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 24000,
"Qps": 37689,
"Iops": 24000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 64000,
"Cpu": 8,
"VolumeMin": 200,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 24000,
"Qps": 37689,
"Iops": 24000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 96000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 24000,
"Qps": 40919,
"Iops": 30000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"CdbType": "EXCLUSIVE",
"Memory": 128000,
"Cpu": 32,
"VolumeMin": 200,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 36000,
"Qps": 61378,
"Iops": 48000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 128000,
"Cpu": 16,
"VolumeMin": 200,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 36000,
"Qps": 61378,
"Iops": 48000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 128000,
"Cpu": 16,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 24000,
"Qps": 61378,
"Iops": 32000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 244000,
"Cpu": 24,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 32000,
"Qps": 122755,
"Iops": 48000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 256000,
"Cpu": 32,
"VolumeMin": 200,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 48000,
"Qps": 122755,
"Iops": 56000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 488000,
"Cpu": 48,
"VolumeMin": 6000,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 64000,
"Qps": 245509,
"Iops": 75000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "EXCLUSIVE",
"Memory": 512000,
"Cpu": 64,
"VolumeMin": 200,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 86000,
"Qps": 310001,
"Iops": 99000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
},
{
"Device": "Z3",
"Type": "High-Availability Edition",
"CdbType": "CUSTOM",
"Memory": 690000,
"Cpu": 80,
"VolumeMin": 6000,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 80000,
"Qps": 300000,
"Iops": 90000,
"Info": "Large-scale game apps with millions of DAUs",
"Status": 0,
"Tag": 0
}
]
}
]
}
]
}
],
"RequestId": "b22dae9b-61ae-4af0-94ed-73370fe272a5"
}
}
```


5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

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
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
InternalError.CauthError	Authentication failed.
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

CreateDeployGroup

Last updated：2022-01-19 11:36:35

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.

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

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.
This document describes the parameters for Signature V1. It's recommended to use the V3 signature, which provides higher security. Note that for Signature V3, the common parameters need to be placed in the HTTP Header. See details.

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: CreateDeployGroup.
Version	Yes	String	Common parameter. The value used for this API: 2017-03-20.
Region	Yes	String	Common parameter. For more information, please see the list of regions supported by the product.
DeployGroupName	Yes	String	Name of a placement group, which can contain up to 60 characters.
Description	No	String	Description of a placement group, which can contain up to 200 characters.
Affinity.N	No	Array	Affinity policy of placement group. Currently, the value of this

©2013-2022 Tencent Cloud. All rights reserved.

		of Integer	parameter can only be 1. Policy 1 indicates the upper limit of instances on one physical machine.
LimitNum	No	Integer	Upper limit of instances on one physical machine as defined in affinity policy 1 of placement group.
DevClass.N	No	Array of String	Model attribute of placement group. Valid values: SH12+SH02, TS85.

3. Output Parameters

Parameter Name	Type	Description
DeployGroupId	String	Placement group ID.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a placement group

This example shows you how to create a placement group.

Input Example

```
https://cdb.tencentcloudapi.com/?Action=CreateDeployGroup
&DeployGroupName=cdb-ezq1vzem
&Description=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"DeployGroupId": "213123",
"RequestId": "b4a719b5-ffb34ab6-816c43c1-8c6a23eb"
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.CdbError	System error.
InvalidParameter	Parameter error.
InvalidParameter.DeployGroupNotEmpty	There are resources in the placement group.
InvalidParameter.OverDeployGroupQuota	The quota of placement group resources has been exceeded.
InvalidParameter.ResourceExists	The resource already exists.
InvalidParameter.ResourceNotFound	The resource is not found.
OperationDenied.ActionNotSupport	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

DeleteDeployGroups

Last updated：2022-02-15 14:58:08

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.

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

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.
This document describes the parameters for Signature V1. It's recommended to use the V3 signature, which provides higher security. Note that for Signature V3, the common parameters need to be placed in the HTTP Header. See details.

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

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a placement group

Input Example

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

Output Example

```
{
"Response": {
"RequestId": "b4a719b5-ffb34ab6-816c43c1-8c6a23eb"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.CdbError	System error.
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.DeployGroupNotEmpty	There are resources in the placement group.
InvalidParameter.OverDeployGroupQuota	The quota of placement group resources has been exceeded.
InvalidParameter.ResourceExists	The resource already exists.
InvalidParameter.ResourceNotFound	The resource is not found.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDeployGroupList

Last updated：2022-01-19 11:36:31

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.

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

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.
This document describes the parameters for Signature V1. It's recommended to use the V3 signature, which provides higher security. Note that for Signature V3, the common parameters need to be placed in the HTTP Header. See details.

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

©2013-2022 Tencent Cloud. All rights reserved.

Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

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

4. Example

Example1 Querying the list of placement groups

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeDeployGroupList
&DeployGroupId=test
&DeployGroupName=test
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Total": 100,
"Items": [
{
"DeployGroupId": "test",
"DeployGroupName": "test",
"Description": "test",
"Quota": 50,
"CreateTime": "2019-09-10 13:14:15"
```

©2013-2022 Tencent Cloud. All rights reserved.

```
}
],
"RequestId": "b4a719b5-ffb34ab6-816c43c1-8c6a23eb"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.CdbError	System error.
InvalidParameter	Parameter error.
InvalidParameter.DeployGroupNotEmpty	There are resources in the placement group.
InvalidParameter.OverDeployGroupQuota	The quota of placement group resources has been exceeded.
InvalidParameter.ResourceExists	The resource already exists.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.ResourceNotFound	The resource is not found.
OperationDenied.ActionNotSupport	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyNameOrDescByDpId

Last updated：2024-01-30 10:25:58

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyNameOrDescByDpId.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
DeployGroupId	Yes	String	Placement group ID
DeployGroupName	No	String	Name of a placement group, which can contain up to 60 characters. The placement group name and description can't be empty.
Description	No	String	Description of a placement group, which can contain up to 200 characters. The placement group name and description can't be empty.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the name or description of a placement group

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyNameOrDescByDpId
&DeployGroupName=cdb-ezq1vzem
&Description=test
&DeployGroupId=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "b4a719b5-ffb34ab6-816c43c1-8c6a23eb"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.CdbError	System error.
InvalidParameter	Parameter error.
InvalidParameter.DeployGroupNotEmpty	There are resources in the placement group.
InvalidParameter.OverDeployGroupQuota	The quota of placement group resources has been exceeded.
InvalidParameter.ResourceExists	The resource already exists.
InvalidParameter.ResourceNotFound	The resource is not found.

©2013-2022 Tencent Cloud. All rights reserved.

Data Import APIs
CreateDBImportJob

Last updated：2024-01-30 10:26:25

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateDBImportJob.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
User	Yes	String	TencentDB username
FileName	No	String	Filename. The file must be a .sql file uploaded to Tencent Cloud.

©2013-2022 Tencent Cloud. All rights reserved.

Password	No	String	Password of a TencentDB instance user account
DbName	No	String	Name of the target database. If this parameter is not passed in, no database is specified.
CosUrl	No	String	URL of a .sql file stored in COS. Either `FileName` or `CosUrl` must be specified.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a data import task

Input Example

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

{
"InstanceId": "cdb-ids6j1b3",
"Password": "xxxxxxxxxx",
"User": "xxxxx",
"FileName": "test.sql"
}
```

Output Example

©2013-2022 Tencent Cloud. All rights reserved.

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

Example2 Creating a data import task by using the COS URL

Input Example

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

{
"InstanceId": "cdb-ids6j1b3",
"CosUrl": "https://test-bulk-XXXXX.cos.ap-chengdu.myqcloud.com/myFile/create_db.s
ql",
"Password": "xxxxxxxxxx",
"User": "xxxxx"
}
```

Output Example

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

5. Developer Resources

SDK

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

- Tencent Cloud SDK 3.0 for Python

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError	Backend or process error.
CdbError.ImportError	Import task error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.ExecuteSQLError	Failed to execute SQL statement
InternalError.ImportError	Import failed
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongPassword	Incorrect password or verification failed.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.WrongStatus	The backend task status is invalid.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBImportRecords

Last updated：2024-01-30 10:26:24

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBImportRecords.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
StartTime	No	String	Start time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-01-01 00:00:01.
EndTime	No	String	End time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-01-01 23:59:59.
Offset	No	Integer	Pagination parameter indicating the offset. Default value: 0.

©2013-2022 Tencent Cloud. All rights reserved.

Limit	No	Integer	Pagination parameter indicating the number of results to be returned for a single request. Value range: 1-100. Default value: 20.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible import task operation logs.
Items	Array of ImportRecord	List of import operation records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying import task records

Input Example

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

{
"InstanceId": "cdb-7r8h0h61",
"EndTime": "2017-08-24 15:03:01",
"StartTime": "2016-01-01 00:00:01"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": "4",
"Items": [
```

©2013-2022 Tencent Cloud. All rights reserved.

```
{
"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": "a4788d0a-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": 16222,
"DbName": "test",
"AsyncRequestId": "9706dfbf-0d1bc6df-5f18f4e1-bb86f2f4"
},
{
"Status": 3,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Code": 1,
"CostTime": 0,
"InstanceId": "e318ecb8-863f-11e7-85a5-80fb06afab26",
"WorkId": "2228867",
"FileName": "monkey_1501490864.sql",
"Process": 5,
"CreateTime": "2017-10-18 17:53:54",
"FileSize": "12",
"Message": "lock_inst.cgi: No instance records exist for some instance IDs.",
"JobId": 16209,
"DbName": "",
"AsyncRequestId": "e8713d1e-10628d32-74682eef-d0855c1a"
}
]
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

©2013-2022 Tencent Cloud. All rights reserved.

Error Code	Description
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameter.InvalidAsyncRequestId	The async task does not exist.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

StopDBImportJob

Last updated：2024-01-30 10:26:23

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.

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StopDBImportJob.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
AsyncRequestId	Yes	String	Async task request ID.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

©2013-2022 Tencent Cloud. All rights reserved.

4. Example

Example1 Stopping a data import task

Input Example

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

{
"AsyncRequestId": "434e366f-beaf56d6-508b7f33-2abdb382"
}
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
CdbError.ImportError	Import task error.
InternalError.ImportError	Import failed
InternalError.TaskFrameError	Async task error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidAsyncRequestId	The async task does not exist.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

Database Proxy APIs
AdjustCdbProxy

Last updated：2024-01-30 10:26:18

1. API Description

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

This API is used to adjust the configuration of database proxy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AdjustCdbProxy.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ProxyGroupId	Yes	String	Proxy group ID
ProxyNodeCustom.N	Yes	Array of ProxyNodeCustom	The specification configuration of a node
ReloadBalance	Yes	String	Rebalance. Valid values: `auto` (automatic),

©2013-2022 Tencent Cloud. All rights reserved.

			`manual` (manual).
UpgradeTime	Yes	String	The upgrade switch time. Valid values: `nowTime` (upgrade immediately), `timeWindow` (upgrade during instance maintenance time).

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adjusting database proxy

This example shows you how to adjust the configuration of a database proxy.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: AdjustCdbProxy<common request parameters>{ "InstanceId": "cdb-aykuksx3", "ProxyGroupId": "proxy-il2nlsdn", "ReloadBalance": "auto", "UpgradeTime": "nowTime", "ProxyNodeCustom": [ { "NodeCount": 2, "Region": "ap-guangzhou", "Zone": "ap-guangzhou-1", "Cpu": 3, "Mem": 4 } ]}
```

Output Example

```
{
"Response": {
"RequestId": "123-123-123",
"AsyncRequestId": "123-123-xxx"
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
FailedOperation.ProxyGroupStatusError	Database proxy in an exceptional status.
InternalError.UnknownError	Unknown error
OperationDenied.ProxyNodeCountLimitError	The number of the proxy nodes exceeds the limit.

©2013-2022 Tencent Cloud. All rights reserved.

AdjustCdbProxyAddress

Last updated：2024-01-30 10:26:18

1. API Description

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

This API is used to adjust the database proxy address.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AdjustCdbProxyAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProxyGroupId	Yes	String	Proxy group ID
WeightMode	Yes	String	Assignment mode of weights. Valid values: `system` (auto-assigned), `custom` .
IsKickOut	Yes	Boolean	Whether to remove delayed read-only instances from the proxy group Valid values: `true` , `false` .
MinCount	Yes	Integer	Least read-only instances. Minimum value: `0`

©2013-2022 Tencent Cloud. All rights reserved.

MaxDelay	Yes	Integer	The delay threshold. Minimum value: `0`
FailOver	Yes	Boolean	Whether to enable failover. Valid values: `true` , `false` .
AutoAddRo	Yes	Boolean	Whether to automatically add newly created read-only instances. Valid values: `true` , `false` .
ReadOnly	Yes	Boolean	Whether it is read-only. Valid values: `true` , `false` .
ProxyAddressId	Yes	String	Address ID of the proxy group
TransSplit	No	Boolean	Whether to enable transaction splitting. Valid values: `true` , `false` .
ConnectionPool	No	Boolean	Whether to enable the connection pool
ProxyAllocation.N	No	Array of ProxyAllocation	Assignment of read/write weights If `system` is passed in for `WeightMode` , only the default weight assigned by the system will take effect.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adjusting a database proxy address

This example shows you how to adjust a database proxy address.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Ac
tion: AdjustCdbProxyAddress<common request parameters>{ "ProxyGroupId": "proxy-il
2nlsdn", "ProxyAddressId": "proxy-il2nlsdn", "IsKickOut": true, "MinCount": 1, "M
```

©2013-2022 Tencent Cloud. All rights reserved.

```
axDelay": 10, "WeightMode": "custom", "FailOver": true, "AutoAddRo": true, "ReadO
nly": false, "TransSplit": false, "ConnectionPool": true, "ProxyAllocation": [ {
"Region": "ap-guangzhou", "Zone": "ap-guangzhou-2", "ProxyInstance": [ { "Instanc
eId": "cdb-aykuksx3", "Weight": 100 } ] } ]}
```


Output Example


```
{
"Response": {
"RequestId": "111-1314-333-2321212",
"AsyncRequestId": "test"
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description

©2013-2022 Tencent Cloud. All rights reserved.

FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
FailedOperation.FailedOperationError	Unsupported operation
InternalError.UnknownError	Unknown error
InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.ProxyUpgradeTaskStatusError	This operation is not allowed during database proxy upgrade task.
OperationDenied.UnsupportCreateAddressError	Creating a proxy address is not supported.
ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

CloseCdbProxyAddress

Last updated：2024-01-30 10:26:17

1. API Description

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

This API is used to disable the database proxy address.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CloseCdbProxyAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProxyGroupId	Yes	String	Proxy group ID
ProxyAddressId	Yes	String	Address ID of the proxy group

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Disabling a database proxy address

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: CloseCdbProxyAddress<common request parameters>{ "ProxyGroupId": "proxy-il2nlsdn", "ProxyAddressId": "proxyaddr-mc0efsw0"}
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

©2013-2022 Tencent Cloud. All rights reserved.

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
InternalError.UnknownError	Unknown error
OperationDenied.ProxyAddressLimitError	The number of the proxy addresses exceeds the limit.
OperationDenied.ProxyAddressNotFund	Proxy address is not found.
OperationDenied.ProxyUpgradeTaskStatusError	This operation is not allowed during database proxy upgrade task.

©2013-2022 Tencent Cloud. All rights reserved.

CreateCdbProxy

Last updated：2024-01-30 10:26:16

1. API Description

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

This API is used create a database proxy for a source instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateCdbProxy.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
UniqVpcId	Yes	String	VPC ID
UniqSubnetId	Yes	String	VPC subnet ID
ProxyNodeCustom.N	Yes	Array of ProxyNodeCustom	The specification configuration of a node
SecurityGroup.N	No	Array of String	Security group

©2013-2022 Tencent Cloud. All rights reserved.

Desc	No	String	Description
ConnectionPoolLimit	No	Integer	Connection pool threshold

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a database proxy

This example shows you how to create a database proxy for a source instance.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: CreateCdbProxy<common request parameters>{ "InstanceId": "cdb-aykuksx3", "UniqVpcId": "vpc-ixw3ll2d", "UniqSubnetId": "subnet-0z3r56vq", "Desc": "test", "ProxyNodeCustom": [ { "NodeCount": 2, "Region": "ap-guangzhou", "Zone": "ap-guangzhou-1", "Cpu": 1, "Mem": 1 } ]}
```

Output Example

```
{
"Response": {
"RequestId": "123-123",
"AsyncRequestId": "123-123-123"
}
}
```

5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.RepeatCreateProxyError	The proxy is being created or already exists. You cannot create it again.
InternalError.UnknownError	Unknown error
OperationDenied.InstanceStatusError	Exceptional instance status
ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

CreateCdbProxyAddress

Last updated：2024-01-30 10:26:16

1. API Description

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

This API is used to create a database proxy address.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateCdbProxyAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProxyGroupId	Yes	String	Proxy group ID
WeightMode	Yes	String	Assignment mode of weights. Valid values: `system` (auto-assigned), `custom` .
IsKickOut	Yes	Boolean	Whether to remove delayed read-only instances from the proxy group. Valid values: `true` , `false` .
MinCount	Yes	Integer	Least read-only instances. Minimum value: `0`

©2013-2022 Tencent Cloud. All rights reserved.

MaxDelay	Yes	Integer	The delay threshold. Minimum value: `0`
FailOver	Yes	Boolean	Whether to enable failover. Valid values: `true`, `false`.
AutoAddRo	Yes	Boolean	Whether to automatically add newly created read-only instances. Valid values: `true`, `false`.
ReadOnly	Yes	Boolean	Whether it is read-only. Valid values: `true`, `false`.
TransSplit	Yes	Boolean	Whether to enable transaction splitting. Valid values: `true`, `false`.
ProxyAllocation.N	Yes	Array of ProxyAllocation	Assignment of read/write weights
UniqVpcId	Yes	String	VPC ID
UniqSubnetId	Yes	String	VPC subnet ID
ConnectionPool	No	Boolean	Whether to enable the connection pool. Valid values:
Desc	No	String	Description
Vip	No	String	IP address
VPort	No	Integer	Port
SecurityGroup.N	No	Array of String	Security group
ConnectionPoolType	No	String	Connection pool type, which will take effect only when `ConnectionPool` is `true`. Valid values: `transaction` (transaction-level), `connection` (session-level).

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required

©2013-2022 Tencent Cloud. All rights reserved.

		for locating a problem.

4. Example

Example1 Creating a database proxy address

This example shows you how to create a database proxy address.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: CreateCdbProxyAddress<common request parameters>{ "ProxyGroupId": "proxy-il2nlsdn", "UniqVpcId": "vpc-ixw3ll2d", "UniqSubnetId": "subnet-0z3r56vq", "IsKickOut": true, "MinCount": 1, "MaxDelay": 10, "WeightMode": "custom", "FailOver": true, "AutoAddRo": true, "ReadOnly": false, "TransSplit": false, "ConnectionPool": true, "ProxyAllocation": [ { "Region": "ap-guangzhou", "Zone": "ap-guangzhou-2", "ProxyInstance": [ { "InstanceId": "cdb-aykuksx3", "Weight": 100 } ] } ]}
```

Output Example

```
{
"Response": {
"RequestId": "111-1314-333-2321212",
"AsyncRequestId": "test"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
FailedOperation.VpcIpInUseError	The IP has been occupied.
FailedOperation.VpcIpInvalidError	Invalid IP address
InternalError.UnknownError	Unknown error
InvalidParameterValue.DataConvertError	Data conversion failed.
OperationDenied.ProxyAddressLimitError	The number of the proxy addresses exceeds the limit.
OperationDenied.ProxyUpgradeTaskStatusError	This operation is not allowed during database proxy upgrade task.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeCdbProxyInfo

Last updated：2024-01-30 10:26:15

1. API Description

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

This API is used to query the details of a database proxy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCdbProxyInfo.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ProxyGroupId	No	String	Proxy group ID

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Count	Integer	Number of proxy groups Note: This field may return null, indicating that no valid values can be obtained.
ProxyInfos	Array of ProxyGroupInfo	Proxy group information Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the proxy information

This example shows you how to query the proxy information.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeCdbProxyInfo<common request parameters>{ "InstanceId": "cdb-aykuksx3"}
```

Output Example

```
{ "Response": { "Count": 1, "ProxyInfos": [ { "ConnectionPoolLimit": 5, "ProxyAddress": [ { "AutoAddRo": true, "ConnectionPool": false, "Desc": "", "FailOver": true, "IsKickOut": false, "MaxDelay": 0, "MinCount": 0, "ProxyAddressId": "", "FailOver": true, "IsKickOut": false, "MaxDelay": 0, "MinCount": 0, "ProxyAddressId": "cdb-test", "InstanceName": "Test", "InstanceType": "1", "Region": "ap-nanjing", "Status": 1, "Weight": 0, "Zone": "p-nanjing-1" } ], "Region": "ap-nanjing", "Zone": "ap-nanjing-1" } ], "ReadOnly": false, "TransSplit": false, "UniqSubnetId": "subnet-test", "UniqVpcId": "vpc-test", "VPort": 3306, "Vip": "10.0.0.0", "WeightMode": "custom" } ], "ProxyGroupId": "proxy-mfxftest", "ProxyNode": [ { "Cpu": 2 "Mem": 4000, "ProxyId": "proxynode-test", "Region": "ap-nanjing", "Status": "online", "Zone": "ap-nanjing-1", "Connection": 1 } ], "ProxyVersion": "1.3.7", "Status": "online", "SupportCreateProxyAddress": false, "SupportUpgradeProxyMysqlVersion": "20211030", "SupportUpgradeProxyVersion": "1.3.7", "TaskStatus": "ProxyModifyAddress" } ], "RequestId": "69d4c061-9730-4e2f-btttbb2-a74624bc9a6c" }}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
InternalError.HttpError	Exceptional HTTP request
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.UnknownError	Unknown error
InvalidParameter.ControllerNotFoundError	This API was not found.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeProxySupportParam

Last updated：2024-01-30 10:26:14

1. API Description

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

This API is used to query the supported proxy versions and parameters for an instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeProxySupportParam.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
ProxyVersion	String	The supported maximum proxy version Note: This field may return null, indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

SupportPool	Boolean	Whether to support the connection pool Note: This field may return null, indicating that no valid values can be obtained.
PoolMin	Integer	Minimum connections in the connection pool Note: This field may return null, indicating that no valid values can be obtained.
PoolMax	Integer	Maximum connections in the connection pool Note: This field may return null, indicating that no valid values can be obtained.
SupportTransSplit	Boolean	Whether to support transaction splitting Note: This field may return null, indicating that no valid values can be obtained.
SupportPoolMinVersion	String	Minimum proxy version supporting connection pool Note: This field may return null, indicating that no valid values can be obtained.
SupportTransSplitMinVersion	String	Minimum proxy version supporting transaction splitting Note: This field may return null, indicating that no valid values can be obtained.
SupportReadOnly	Boolean	Whether read-only mode is supported Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the supported proxy versions and parameters for an instance

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeProxySupportParam<common request parameters>{ "InstanceId": "cdb-xxx"}
```

Output Example

```
{
"Response": {
"RequestId": "xx-xxx-xxx",
"ProxyVersion": "1.3.1",
"SupportPool": true,
"PoolMin": 1,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"PoolMax": 10,
"SupportTransSplit": true,
"SupportTransSplitMinVersion": "1.3.1",
"SupportPoolMinVersion": "1.1.1",
"SupportReadOnly": true
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.ExecHttpRequestError	Failed to execute the HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter.ControllerNotFoundError	This API was not found.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.OperationDeniedError	Operation denied
ResourceNotFound.InstanceNotFoundError	High-availability instance doesn't exist.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyCdbProxyAddressDesc

Last updated：2024-01-30 10:26:14

1. API Description

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

This API is used to modify the description of a proxy address.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCdbProxyAddressDesc.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProxyGroupId	Yes	String	Proxy group ID
ProxyAddressId	Yes	String	Address ID of the proxy group
Desc	No	String	Description

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the description of a proxy address

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: ModifyCdbProxyAddressDesc<common request parameters>{ "ProxyGroupId": "proxy-il2nlsdn", "ProxyAddressId": "proxyaddr-mc0efsw0", "Desc": "test"}
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

ModifyCdbProxyAddressVipAndVPort

Last updated：2024-01-30 10:26:13

1. API Description

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

This API is used to modify the VPC of the database proxy address.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCdbProxyAddressVipAndVPort.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProxyGroupId	Yes	String	Proxy group ID
ProxyAddressId	Yes	String	Address ID of the proxy group
UniqVpcId	Yes	String	VPC ID
UniqSubnetId	Yes	String	VPC subnet ID
Vip	No	String	IP address
VPort	No	Integer	Port

©2013-2022 Tencent Cloud. All rights reserved.

ReleaseDuration	No	Integer	Valid Hours of Old IP

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the VPC of the database proxy address

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: ModifyCdbProxyAddressDesc<common request parameters>{ "ProxyGroupId": "proxy-il2nlsdn", "ProxyAddressId": "proxyaddr-mc0efsw0", "UniqVpcId": "vpc-ixw3ll2d", "UniqSubnetId": "subnet-0z3r56vq"}
```

Output Example

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

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
FailedOperation.VpcIpInUseError	The IP has been occupied.
FailedOperation.VpcIpNotInSubnetError	The IP doesn't exist in the subnet.
InternalError.UnknownError	Unknown error
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

ModifyCdbProxyParam

Last updated：2024-01-30 10:26:13

1. API Description

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

This API is used to configure the database proxy parameters.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCdbProxyParam.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ProxyGroupId	Yes	String	Proxy group ID
ConnectionPoolLimit	Yes	Integer	Connection pool threshold

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Configuring the database proxy parameters

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: ModifyCdbProxyParam<common request parameters>{ "InstanceId": "cdb-xxxx", "ProxyGroupId": "proxy-xxx", "ConnectionPoolLimit": 10}
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
InternalError.UnknownError	Unknown error
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

CloseCDBProxy

Last updated：2024-01-30 10:26:17

1. API Description

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

This API is used to disable database proxy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CloseCDBProxy.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ProxyGroupId	Yes	String	Proxy group ID
OnlyCloseRW	No	Boolean	Whether only to disable read/write separation. Valid values: `true` , `false` . Default value: `false` .

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Disabling the database proxy

Input Example

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

{
"InstanceId": "cdb-test",
"ProxyGroupId": "proxy-test",
"OnlyCloseRW": true
}
```

Output Example

```
{
"Response": {
"RequestId": "3689c0eb-a92d-77ce-0ee2-17d99f604e64"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
FailedOperation.ProxyGroupStatusError	Database proxy in an exceptional status.
InternalError.UnknownError	Unknown error
OperationDenied.ProxyUpgradeTaskStatusError	This operation is not allowed during database proxy upgrade task.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeProxyCustomConf

Last updated：2024-01-30 10:26:15

1. API Description

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

This API is used to query the proxy configuration.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeProxyCustomConf.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
Offset	No	Integer	Paginated query offset
Limit	No	Integer	Maximum entries returned per page

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
Count	Integer	Number of queried proxy configurations Note: this field may return `null` , indicating that no valid value can be found.
CustomConf	CustomConfig	Proxy configuration details Note: this field may return `null` , indicating that no valid value can be found.
WeightRule	Rule	Weight rule Note: this field may return `null` , indicating that no valid value can be found.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the configuration of database proxy

Input Example

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

{
"InstanceId": "xx",
"Limit": 1,
"Offset": 0
}
```

Output Example

```
{
"Response": {
"Count": 3,
"CustomConf": [
{
"Cpu": 2,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"Device": "Z3",
"DeviceType": "custom",
"Memory": 4000,
"Type": "High-Availability Edition"
},
{
"Cpu": 4,
"Device": "Z3",
"DeviceType": "custom",
"Memory": 8000,
"Type": "High-Availability Edition"
},
{
"Cpu": 8,
"Device": "Z3",
"DeviceType": "custom",
"Memory": 16000,
"Type": "High-Availability Edition"
}
],
"RequestId": "9bd2a785-2dc0-47dc-b285-2b154a218ea1",
"WeightRule": [
{
"LessThan": 2000,
"Weight": 1
},
{
"LessThan": 8000,
"Weight": 2
},
{
"LessThan": 16000,
"Weight": 4
},
{
"LessThan": 32000,
"Weight": 8
},
{
"LessThan": 48000,
"Weight": 10
},
{
"LessThan": 64000,
"Weight": 12
},
{
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"LessThan": 96000,
"Weight": 14
},
{
"LessThan": 128000,
"Weight": 16
},
{
"LessThan": 192000,
"Weight": 24
},
{
"LessThan": 256000,
"Weight": 30
},
{
"LessThan": 488000,
"Weight": 50
},
{
"LessThan": 690000,
"Weight": 75
},
{
"LessThan": -1,
"Weight": 100
}
]
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.UnknownError	Unknown error
ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

ReloadBalanceProxyNode

Last updated：2024-01-30 10:26:12

1. API Description

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

This API is used to rebalance the load on database proxy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReloadBalanceProxyNode.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProxyGroupId	Yes	String	Proxy group ID
ProxyAddressId	No	String	Address ID of the proxy group

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Rebalancing the load on database proxy

Input Example

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

{
"ProxyGroupId": "proxy-test"
}
```

Output Example

```
{
"Response": {
"RequestId": "3689c0eb-a92d-77ce-0ee2-17d99f604e64"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

SwitchCDBProxy

Last updated：2024-01-30 10:26:12

1. API Description

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

This API is used to switch database proxy after the proxy configuration is modified or the proxy version is upgraded.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SwitchCDBProxy.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ProxyGroupId	Yes	String	Database proxy ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for

©2013-2022 Tencent Cloud. All rights reserved.

		locating a problem.

4. Example

Example1 Switching database proxy

Input Example

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

{
"InstanceId": "cdb-test",
"ProxyGroupId": "proxy-test"
}
```

Output Example

```
{
"Response": {
"RequestId": "3689c0eb-a92d-77ce-0ee2-17d99f604e64"
}
}
```

5. Developer Resources

SDK

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

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

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.UnknownError	Unknown error
OperationDenied.ProxyUpgradeTaskStatusError	This operation is not allowed during database proxy upgrade task.

©2013-2022 Tencent Cloud. All rights reserved.

UpgradeCDBProxyVersion

Last updated：2024-01-30 10:26:11

1. API Description

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

This API is used to upgrade the version of database proxy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UpgradeCDBProxyVersion.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ProxyGroupId	Yes	String	Database proxy ID
SrcProxyVersion	Yes	String	Current version of database proxy
DstProxyVersion	Yes	String	Target version of database proxy
UpgradeTime	Yes	String	Upgrade time. Valid values: `nowTime` (upgrade immediately), `timeWindow` (upgrade during instance maintenance time)

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async request ID Note: this field may return `null` , indicating that no valid value can be found.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Upgrading the version of database proxy

Input Example

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

{
"InstanceId": "cdb-test",
"ProxyGroupId": "proxy-test",
"DstProxyVersion": "1.0.1",
"SrcProxyVersion": "1.1.2",
"UpgradeTime": "nowTime"
}
```

Output Example

```
{
"Response": {
"AsyncRequestId": "8155d27a-079a2580-19593e48-f1af5042",
"RequestId": "3689c0eb-a92d-77ce-0ee2-17d99f604e64"
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

Database Audit APIs
DescribeAuditLogs

Last updated：2024-01-30 10:26:20

1. API Description

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

This API is used to query a database audit log.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAuditLogs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
StartTime	Yes	String	Start time
EndTime	Yes	String	End time
Limit	No	Integer	The pagination parameter, which specifies the number

©2013-2022 Tencent Cloud. All rights reserved.

			of entries per page. Maximum value: 100 (default).
Offset	No	Integer	Pagination offset
Order	No	String	Sorting order Valid values: `ASC (ascending)`, `DESC` (descending).
OrderBy	No	String	Sorting field Valid values: `timestamp` : Timestamp, `affectRows` : Number of affected rows, `execTime` : Execution time.
LogFilter.N	No	Array of InstanceAuditLogFilters	Filter. Multiple values are in `AND` relationship.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible audit logs
Items	Array of AuditLog	Audit log details Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying a database audit log

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeAuditLogs
&InstanceId=cdb-qwer1234
&StartTime=2023-06-18 00:00:00
&EndTime=2023-06-19 00:00:00
&Limit=100
&<Common request parameters>
```

Output Example

©2013-2022 Tencent Cloud. All rights reserved.

```
{
"Response": {
"TotalCount": 1,
"Items": [
{
"AffectRows": 1,
"CheckRows": 0,
"CpuTime": 375.786,
"DBName": "wyang",
"ErrCode": 0,
"ExecTime": 1503,
"Host": "100.122.76.176",
"IoWaitTime": 7,
"LockWaitTime": 1140,
"NsTime": 104188594,
"PolicyName": "sys_default",
"SentRows": 0,
"Sql": "INSERT INTO `test_db` values('John Smith',0)",
"SqlType": "INSERT",
"ThreadId": 162,
"Timestamp": "2023-06-07 17:50:05.104",
"TrxLivingTime": 1475,
"User": "root"
}
],
"RequestId": "b3951c71-1da4-4b8f-9de5-ad71ab1e2917-0"
}
}
```

Example2 Querying records within xx where the SQL statement contains "SELECT" and "test_db", and the source IP is not 10.0.0.1 or 100.0.0.1

Input Example

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

{
"InstanceId": "cdb-0ei6rgrp",
"StartTime": "2023-08-01 00:00:00",
"EndTime": "2023-08-07 00:00:00",
"Limit": 20,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"LogFilter": [
{
"Type": "sql",
"Compare": "WINC",
"Value": [
"select"
]
},
{
"Type": "sql",
"Compare": "WINC",
"Value": [
"test_db"
]
},
{
"Type": "host",
"Compare": "NEQ",
"Value": [
"10.0.0.1",
"100.0.0.1"
]
}
]
}
```

Output Example

```
{
"Response": {
"Items": null,
"RequestId": "90d90456-2a5b-4015-81b8-9e2fca52012b",
"TotalCount": 0
}
}
```

Example3 Querying records within xx where the SQL statement contains "SELECT" and "UPDA", and the source IP contains 10.0.

SQL sample: `select * from test_db limit 1;`

`sql INC selec` cu200can be used for search.

`sql WINC selec` cannot be used for search.

Input Example

©2013-2022 Tencent Cloud. All rights reserved.

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

{
"InstanceId": "cdb-0ei6rgrp",
"StartTime": "2023-08-01 00:00:00",
"EndTime": "2023-08-07 00:00:00",
"Limit": 20,
"LogFilter": [
{
"Type": "sql",
"Compare": "INC",
"Value": [
"selec",
"up"
]
},
{
"Type": "host",
"Compare": "INC",
"Value": [
"10.0."
]
}
]
}
```

Output Example

```
{
"Response": {
"Items": null,
"RequestId": "90d90456-2a5b-4015-81b8-9e2fca52012b",
"TotalCount": 0
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.QueryAuditTaskFailError	Failed to query the audit task
InternalError.AuditDescribeLogError	Failed to query the audit log
InternalError.AuditError	An error occurred in the internal service of the audit service.
InternalError.DBError	Database exception
InternalError.DatabaseAccessError	Internal database error.
InternalError.ServerError	Internal error of the system.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameterValue	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.QueryAuditLogsError	Failed to query the audit log
OperationDenied.ResourceNotFoundError	The resource was not found.
OperationDenied.ResourceNotFundError	The resource was not found.
ResourceNotFound	The resource does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

OpenAuditService

Last updated：2024-01-30 10:26:19

1. API Description

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

This API is used to enable the audit service.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: OpenAuditService.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	TencentDB for MySQL instance ID
LogExpireDay	Yes	Integer	Retention period of the audit log. Valid values: `7` (one week), `30` (one month), `90` (three months), `180` (six months), `365` (one year), `1095` (three years), `1825` (five years).
HighLogExpireDay	No	Integer	Retention period of high-frequency audit logs. Valid values: `7` (one week), `30` (one month).

©2013-2022 Tencent Cloud. All rights reserved.

AuditRuleFilters.N	No	Array of AuditRuleFilters	Audit rule If both this parameter and `RuleTemplateIds` are left empty, full audit will be applied.
RuleTemplateIds.N	No	Array of String	Rule template ID. If both this parameter and AuditRuleFilters are not specified, all SQL statements will be recorded.
AuditAll	No	Boolean	Audit type. Valid values: true: Record all; false: Record by rules (default value).

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enabling instance audit service

None

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: OpenAuditService<common request parameters>{ "InstanceId": "cdb-3u8h3h1w", "LogExpireDay": 30, "HighLogExpireDay": 7, "AuditRuleFilters": [ { "RuleFilters": [ { "Compare": "NEQ", "Type": "host", "Value": [ "127.0.0.1" ] } ] } ]}
```

Output Example

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

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.CreateAuditFailError	Failed to create the audit rule.
InternalError.DBError	Database exception
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.AuditStatusError	Exceptional audit status.
OperationDenied.AuditTaskConflictError	The audit tasks conflict.
OperationDenied.InstanceStatusError	Exceptional instance status
OperationDenied.UnsupportOpenAuditError	The audit feature cannot be enabled.

©2013-2022 Tencent Cloud. All rights reserved.

ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeAuditRules

Last updated：2024-01-30 10:26:19

1. API Description

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

This API is used to query the audit rules in the current region.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAuditRules.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
RuleId	No	String	Audit rule ID.
RuleName	No	String	Audit rule name. Fuzzy match query is supported.
Limit	No	Integer	Number of entries per page. Value range: 1-100. Default value: 20.
Offset	No	Integer	Pagination offset. Default value: 0

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible audit rules
Items	Array of AuditRule	Audit rule details Note: This field may return `null` , indicating that no valid value was found.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the audit rules

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeAuditRules
&RuleId="cdbrule-qwerasdf"
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 1,
"Items": [
{
"RuleId": "cdbrule-qwerasdf",
"CreateTime": "2019-03-20 17:09:13",
"ModifyTime": "2019-03-20 17:09:13",
"RuleName": "audit1",
"Description": "audit_test",
"AuditAll": true
}
]
}
}
```

5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.DatabaseAccessError	Internal database error.
InternalError.InnerCommonError	Internal service error
InternalError.ServerError	Internal error of the system.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.AuditRuleNotExistError	The audit rule does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

CreateAuditPolicy

Last updated：2024-01-30 10:26:21

1. API Description

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

This API is used to create an audit policy for a TencentDB instance by associating an audit rule with the TencentDB instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAuditPolicy.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Name	Yes	String	Audit policy name.
RuleId	Yes	String	Audit rule ID.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
LogExpireDay	No	Integer	Retention period of audit logs. Valid values: 7: seven days (a week); 30: 30 days (a month); 180: 180 days (six months);

©2013-2022 Tencent Cloud. All rights reserved.

			365: 365 days (a year); 1095: 1095 days (three years); 1825: 1825 days (five years). This parameter specifies the retention period (30 days by default) of audit logs, which is valid when you create the first audit policy for an instance. If the instance already has audit policies, this parameter is invalid, but you can use the `ModifyAuditConfig` API to modify the retention period.

3. Output Parameters

Parameter Name	Type	Description
PolicyId	String	Audit policy ID.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating an audit policy

Input Example

```
https://cdb.tencentcloudapi.com/?Action=CreateAuditPolicy
&Name=audit_policy_1
&RuleId=cdbrule-asdfghjk
&InstanceId=cdb-qwerasdf
&<Common request parameters>
```

Output Example

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

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.CreateAuditFailError	Failed to create the audit rule.
FailedOperation.TypeInConflict	This type of operations cannot be performed.
InternalError.AuditError	An error occurred in the internal service of the audit service.
InternalError.AuditOssLogicError	Internal exception of the audit service.
InternalError.DBError	Database exception
InternalError.DBOperationError	Database operation failed.
InternalError.DatabaseAccessError	Internal database error.
InternalError.HttpError	Exceptional HTTP request
InternalError.InternalHttpServerError	An exception occurred while executing the request.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.ServerError	Internal error of the system.
InternalError.ServiceError	An exception occurred in the internal service.
InternalError.TransactionBeginError	Operation failed
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
LimitExceeded	The quota limit has been reached.
OperationDenied	Operation denied.
OperationDenied.AuditPolicyConflictError	The audit policies conflict.
OperationDenied.AuditPolicyExistError	The audit policy already exists.
OperationDenied.AuditPolicyOverQuotaError	The number of audit policies exceeds the limit.
OperationDenied.AuditRuleHasBind	The audit rule has been associated.
OperationDenied.AuditRuleNotExistError	The audit rule does not exist.
OperationDenied.AuditStatusError	Exceptional audit status.
OperationDenied.AuditTaskConflictError	The audit tasks conflict.
OperationDenied.DBBrainPolicyConflict	You have enabled the compliance audit feature of DBbrain, so you cannot enable the rule-based audit.
OperationDenied.InstanceStatusError	Exceptional instance status
OperationDenied.UnsupportOpenAuditError	The audit feature cannot be enabled.
ResourceInUse	The resource is occupied.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.InstanceNotFundError	The instance does not exist.
ResourceUnavailable	The resource is unavailable.

©2013-2022 Tencent Cloud. All rights reserved.

UnsupportedOperation	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeAuditPolicies

Last updated：2024-01-30 10:26:20

1. API Description

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

This API is used to query the audit policies of a TencentDB instance.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAuditPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	No	String	Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
PolicyId	No	String	Audit policy ID.
PolicyName	No	String	Audit policy name. Fuzzy match query is supported.
Limit	No	Integer	Number of entries per page. Value range: 1-100. Default value: 20.
Offset	No	Integer	Pagination offset

©2013-2022 Tencent Cloud. All rights reserved.

RuleId	No	String	Audit rule ID, which can be used to query its associated audit policies. Note: At least one of the parameters (“RuleId”, “PolicyId”, PolicyId”, or “PolicyName”) must be passed in.
InstanceName	No	String	Instance name

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible audit policies
Items	Array of AuditPolicy	Audit policy details Note: This field may return `null` , indicating that no valid value was found.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the audit policies

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeAuditPolicies
&InstanceId=cdb-qwerasdf
&PolicyId=cdbpolicy-asdfqwer
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 1,
"Items": [
{
"PolicyId": "cdbpolicy-asdfqwer"
"Status": "running",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"InstanceId": "cdb-qwerasdf",
"InstanceName": "test",
"CreateTime": "2019-03-20 17:09:13",
"ModifyTime": "2019-03-20 17:09:13",
"PolicyName": "audit_policy_1",
"RuleId": "cdbrule-asdfqwer",
"RuleName": "audit1"
}
]
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.DatabaseAccessError	Internal database error.
InternalError.InnerCommonError	Internal service error

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.ServerError	Internal error of the system.
InternalError.TransactionBeginError	Operation failed
InternalError.UnknownError	Unknown error
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
MissingParameter	Missing parameter
MissingParameter.MissingParamError	Required parameters are missing.

©2013-2022 Tencent Cloud. All rights reserved.

AnalyzeAuditLogs

Last updated：2024-01-30 10:26:21

1. API Description

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

This API is used to aggregate the audit logs filtered by different conditions and aggregate the statistics of the specified data rows.

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

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AnalyzeAuditLogs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
StartTime	Yes	String	Start time of the log to be analyzed in the format of `2023-02-16 00:00:20`.
EndTime	Yes	String	End time of the log to be analyzed in the format of `2023-02-16 00:00:20`.
AggregationConditions.N	Yes	Array of	Sorting conditions for aggregation

©2013-2022 Tencent Cloud. All rights reserved.

		AggregationCondition	dimension
AuditLogFilter	No	AuditLogFilter	This parameter is disused. The result set of the audit log filtered by this condition is set as the analysis log.
LogFilter.N	No	Array of InstanceAuditLogFilters	The result set of the audit log filtered by this condition is set as the analysis Log.

3. Output Parameters

Parameter Name	Type	Description
Items	Array of AuditLogAggregationResult	Information set of the aggregation bucket returned Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	Number of scanned logs Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Aggregating audit logs after filtering them

This example shows you how to aggregate audit logs after filtering them.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AnalyzeAuditLogs
<Common request parameters>

{
"InstanceId": "cdb-r9bpb9gs",
"StartTime": "2023-02-16 00:00:00",
"EndTime": "2023-02-17 00:00:00",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"AuditLogFilter": {
"SqlTypes": [
"create"
]
},
"AggregationConditions": [
{
"AggregationField": "host",
"Offset": 0,
"Limit": 3
}
]
}
```

Output Example

```
{
"Response": {
"Items": [
{
"AggregationField": "host",
"Buckets": [
{
"Count": 3,
"Key": "100.122.76.176"
},
{
"Count": 2,
"Key": "9.71.156.179"
}
]
}
],
"RequestId": "0000000000000-00000-015",
"TotalCount": 5
}
}
```

Example2 Aggregating the statistics of an audit log

This example shows you how to aggregate the statistics of an audit log.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
```

©2013-2022 Tencent Cloud. All rights reserved.

```
Content-Type: application/json
X-TC-Action: AnalyzeAuditLogs
<Common request parameters>

{
"InstanceId": "cdb-r9bpb9gs",
"StartTime": "2023-02-16 00:00:20",
"EndTime": "2023-02-16 00:10:20",
"AggregationConditions": [
{
"AggregationField": "host",
"Offset": 0,
"Limit": 3
},
{
"AggregationField": "sqlType",
"Offset": 3,
"Limit": 3
}
]
}
```

Output Example

```
{
"Response": {
"Items": [
{
"AggregationField": "host"
},
{
"AggregationField": "sqlType",
"Buckets": [
{
"Count": 13,
"Key": "LOGOUT"
},
{
"Count": 5,
"Key": "CREATE"
},
{
"Count": 2,
"Key": "INSERT"
}
]
```

©2013-2022 Tencent Cloud. All rights reserved.

```
}
],
"RequestId": "0000000000000-00000-014",
"TotalCount": 100
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InvalidParameterError	Invalid parameter value
UnsupportedOperation	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

Security APIs
AssociateSecurityGroups

Last updated：2024-01-30 10:25:39

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssociateSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
SecurityGroupId	Yes	String	Security group ID.
InstanceIds.N	Yes	Array of String	List of instance IDs, which is an array of one or more instance IDs.
ForReadonlyInstance	No	Boolean	This parameter takes effect only when the IDs of read-only replicas are passed in. If this parameter is set to `False` or left empty, the security group will be bound to the RO groups of these read-only replicas. If this parameter is set to

©2013-2022 Tencent Cloud. All rights reserved.

			`True` , the security group will be bound to the read-only replicas themselves.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Binding security groups in batches

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AssociateSecurityGroups
<Common request parameters>

{
"SecurityGroupId": "sg-ajr1jzgj",
"InstanceIds": [
"cdb-eb2w7dto"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "1a42feb9-82087f71-6a0031ac-699a92a8"
}
}
```

5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DfwError	Security group operation error.
InternalError.ResourceNotMatch	The resource does not match.
InternalError.SecurityGroupError	Security group error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDBSecurityGroups

Last updated：2024-01-30 10:25:38

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
ForReadonlyInstance	No	Boolean	This parameter takes effect only when the ID of a read-only instance is passed in. If the parameter is set to `False` or left empty, the security groups bound with the RO groups of the read-only instance can only be queried. If it is set to `True`, the security groups can be modified.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
Groups	Array of SecurityGroup	Security group details.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the security group information of an instance

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDBSecurityGroups
<Common request parameters>

{
"InstanceId": "cdb-eb2w7dto"
}
```

Output Example

```
{
"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"
}
]
```

©2013-2022 Tencent Cloud. All rights reserved.

```
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DBOperationError	Database operation failed.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DfwError	Security group operation error.
InternalError.InternalHttpServerError	An exception occurred while executing the request.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.InternalServiceErrorErr	An error occurred while accessing internal service.
InternalError.ResourceNotUnique	The resource is not unique.
InternalError.SecurityGroupError	Security group error
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
OperationDenied	Operation denied.
UnsupportedOperation	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeProjectSecurityGroups

Last updated：2024-01-30 10:25:38

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeProjectSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
ProjectId	Yes	Integer	Project ID.

3. Output Parameters

Parameter Name	Type	Description
Groups	Array of	Security group details.

©2013-2022 Tencent Cloud. All rights reserved.

	SecurityGroup	
TotalCount	Integer	Number of security group rules
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the security group information of a project

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeProjectSecurityGroups
<Common request parameters>

{
"ProjectId": "11954"
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"Groups": [
{
"Outbound": [],
"SecurityGroupName": "CDB",
"Inbound": [],
"ProjectId": 0,
"SecurityGroupId": "sg-xx",
"SecurityGroupRemark": "",
"CreateTime": "2017-04-13 15:00:06"
}
]
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DfwError	Security group operation error.
InternalError.ResourceNotUnique	The resource is not unique.
InternalError.SecurityGroupError	Security group error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

DisassociateSecurityGroups

Last updated：2024-01-30 10:25:37

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
SecurityGroupId	Yes	String	Security group ID.
InstanceIds.N	Yes	Array of String	List of instance IDs, which is an array of one or more instance IDs.
ForReadonlyInstance	No	Boolean	This parameter takes effect only when the IDs of read-only replicas are passed in. If this parameter is set to `False` or left empty, the security group will be unbound from the RO groups of these read-only replicas. If this parameter is set to `True`, the security group will be unbound from the read-only replicas themselves.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Unbinding security groups in batches

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DisassociateSecurityGroups
<Common request parameters>

{
"SecurityGroupId": "sg-ajr1jzgj",
"InstanceIds": [
"cdb-eb2w7dto"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "1a42feb9-82087f71-6a0031ac-699a92a8"
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DBOperationError	Database operation failed.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DfwError	Security group operation error.
InternalError.ResourceNotMatch	The resource does not match.
InternalError.SecurityGroupError	Security group error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyDBInstanceSecurityGroups

Last updated：2024-01-30 10:25:37

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyDBInstanceSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
SecurityGroupIds.N	Yes	Array of String	List of IDs of security groups to be modified, which is an array of one or more security group IDs.
ForReadonlyInstance	No	Boolean	This parameter takes effect only when the ID of read-only replica is passed in. If this parameter is set to `False` or left empty, the security groups bound with the RO group of the read-only replicas will be modified. If this parameter is set

©2013-2022 Tencent Cloud. All rights reserved.

			to `True` , the security groups bound with the read-only replica itself will be modified.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the security groups bound to a TencentDB instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyDBInstanceSecurityGroups
&InstanceId=cdb-eb2w7dto
&SecurityGroupIds.0=sg-ajr1jzgj
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "1a42feb9-82087f71-6a0031ac-699a92a8"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DfwError	Security group operation error.
InternalError.ResourceNotUnique	The resource is not unique.
InternalError.SecurityGroupError	Security group error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

Task APIs
DescribeAsyncRequestInfo

Last updated：2024-01-30 10:25:36

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAsyncRequestInfo.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
AsyncRequestId	Yes	String	Async task request ID.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Status	String	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.
Info	String	Task execution information. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the execution result of an async task

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeAsyncRequestInfo
<Common request parameters>

{
"AsyncRequestId": "f96e4f3c-8fc96c86-2ec79ac8-cb63a7a7"
}
```

Output Example

```
{
"Response": {
"Info": "Dropped the database table successfully.",
"Status": "SUCCESS",
"RequestId": "faae8d6a-38fb-44de-988e-5a0e78aba4a7"
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError.TaskError	Backend task error.
InternalError.FtpError	File transfer exception
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InvalidAsyncRequestId	The async task does not exist.
OperationDenied	Operation denied.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeTasks

Last updated：2024-01-30 10:25:36

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTasks.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	No	String	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.
AsyncRequestId	No	String	ID of an async task request, i.e., `AsyncRequestId` returned by relevant TencentDB operations.
TaskTypes.N	No	Array of Integer	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;

©2013-2022 Tencent Cloud. All rights reserved.

			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 primary instance; 12 - deleting a TencentDB table; 13 - promoting a disaster recovery instance.
TaskStatus.N	No	Array of Integer	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.
StartTimeBegin	No	String	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.
StartTimeEnd	No	String	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.
Offset	No	Integer	Record offset. Default value: 0.
Limit	No	Integer	Number of results to be returned for a single request. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible instances.
Items	Array of TaskDetail	Information of an instance task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

©2013-2022 Tencent Cloud. All rights reserved.

4. Example

Example1 Querying the list of tasks for a TencentDB instance

This example shows you how to query the list of tasks for a TencentDB instance.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeTasks
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"TotalCount": 5,
"Items": [
{
"Code": 9013,
"Message": "[Operate CDB Fail][Upgrade Service Fail!] reason: ERR#-999: lock_ins
t.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": "Set parameters successfully",
"JobId": 70,
"AsyncRequestId": "1d564380-2e391736-f28fa246-43cea3aa",
"Progress": 100,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"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": "Instance upgrade task is completed",
"JobId": 68,
"AsyncRequestId": "",
"Progress": 100,
"StartTime": "2018-07-05 23:53:48",
"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": "780b2e32-79cb0f4c-ec7854c5-44ff5371",
"Progress": 0,
"StartTime": "2018-07-05 23:30:36",
"EndTime": "2018-07-05 23:30:37",
"InstanceIds": [
"cdb-o02fxj9g"
],
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"TaskType": "MODIFY PARAM",
"TaskStatus": "FAILED"
}
],
"RequestId": "9a4b22f5-0f93-4a72-ba05-1eb6cdf37a1e"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DesError	Internal system error.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.FtpError	File transfer exception
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.DataConvertError	Data conversion failed.
OperationDenied	Operation denied.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongStatus	The backend task status is invalid.

©2013-2022 Tencent Cloud. All rights reserved.

Account APIs
CreateAccounts

Last updated：2024-01-30 10:26:38

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to create a TencentDB account. The account name, host address, and password are required. Account remarks and maximum connections can also be configured.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAccounts.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
Accounts.N	Yes	Array of Account	List of TencentDB accounts
Password	Yes	String	Password of the new account

©2013-2022 Tencent Cloud. All rights reserved.

Description	No	String	Remarks
MaxUserConnections	No	Integer	Maximum connections of the new account. Default value: `10240` . Maximum value: `10240` .

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a TencentDB account

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateAccounts
<Common request parameters>

{
"InstanceId": "cdb-f35wr6wj",
"Password": "fsdgfdgfd",
"Accounts": [
{
"Host": "127.0.0.1",
"User": "ajnnw"
}
],
"Description": "description"
}
```

Output Example

©2013-2022 Tencent Cloud. All rights reserved.

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be

©2013-2022 Tencent Cloud. All rights reserved.

	modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.StatusConflict	Task status conflict.
FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.InstTypeNotSupport	The current instance type does not support this operation.
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

DeleteAccounts

Last updated：2024-01-30 10:26:38

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API (DeleteAccounts) is used to delete TencentDB accounts.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAccounts.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Accounts.N	Yes	Array of Account	TencentDB account.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a TencentDB account

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteAccounts
<Common request parameters>

{
"InstanceId": "xx",
"Accounts": [
{
"Host": "192.168.1.1",
"User": "user1"
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.StatusConflict	Task status conflict.

©2013-2022 Tencent Cloud. All rights reserved.

FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.InstTypeNotSupport	The current instance type does not support this operation.
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeAccountPrivileges

Last updated：2024-01-30 10:26:37

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 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAccountPrivileges.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
User	Yes	String	Database user account.
Host	Yes	String	Database account domain name.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
GlobalPrivileges	Array of String	Array of global permissions.
DatabasePrivileges	Array of DatabasePrivilege	Array of database permissions.
TablePrivileges	Array of TablePrivilege	Array of table permissions in the database.
ColumnPrivileges	Array of ColumnPrivilege	Array of column permissions in the table.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the permission information of a TencentDB account

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeAccountPrivileges
<Common request parameters>

{
"InstanceId": "cdb-f35wr6wj",
"Host": "127.0.0.1",
"User": "ajnnw"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TablePrivileges": [
{
"Table": "user",
"Privileges": [
"SELECT",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"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": [
{
"Privileges": [
"CREATE",
"DROP"
],
"Database": "jersey_test"
}
]
```


©2013-2022 Tencent Cloud. All rights reserved.

```
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError	Backend or process error.
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be modified for this instance. If you have any questions, please contact customer service.

©2013-2022 Tencent Cloud. All rights reserved.

FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.CdbError	System error.
InternalError.HttpError	Exceptional HTTP request
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two

©2013-2022 Tencent Cloud. All rights reserved.

	character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.InstanceStatusError	Exceptional instance status
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
ResourceNotFound.InstanceNotFundError	The instance does not exist.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeAccounts

Last updated：2024-01-30 10:26:37

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query information of all TencentDB accounts.

A maximum of 50 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAccounts.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
Offset	No	Integer	Record offset. Default value: `0` .
Limit	No	Integer	Number of results to be returned for a single request. Value range: 1-100. Default value: `20` .
AccountRegexp	No	String	Regex for matching account names, which complies with the rules at MySQL's official website

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible accounts
Items	Array of AccountInfo	Details of eligible accounts
MaxUserConnections	Integer	The maximum number of instance connections
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the information of all TencentDB accounts

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeAccounts
&InstanceId=cdb-f35wr6wj
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 2,
"MaxUserConnections": 10240,
"Items": [
{
"Notes": "test",
"Host": "localhost",
"User": "test_user",
"ModifyTime": "2020-11-10 01:00:00",
"ModifyPasswordTime": "2020-11-10 01:00:00",
"CreateTime": "2020-11-10 01:00:00",
"MaxUserConnections": 20
},
{
"Notes": "test2",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"Host": "localhost",
"User": "root",
"ModifyTime": "2020-11-10 01:00:00",
"ModifyPasswordTime": "2020-11-10 01:00:00",
"CreateTime": "2020-11-10 01:00:00",
"MaxUserConnections": 20
}
]
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.DBOperationActionError	Database operation failed.

©2013-2022 Tencent Cloud. All rights reserved.

FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.InstanceQueryError	Query failed.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.CdbError	System error.
InternalError.HttpError	Exceptional HTTP request
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.InstTypeNotSupport	The current instance type does not support this operation.
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
OperationDenied.OperationDeniedError	Operation denied
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
ResourceNotFound.InstanceNotFundError	The instance does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeSupportedPrivileges

Last updated：2024-01-30 10:26:36

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSupportedPrivileges.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

GlobalSupportedPrivileges	Array of String	Global permissions supported by the instance
DatabaseSupportedPrivileges	Array of String	Database permissions supported by the instance.
TableSupportedPrivileges	Array of String	Table permissions supported by the instance.
ColumnSupportedPrivileges	Array of String	Column permissions supported by the instance.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the information of permissions supported by a TencentDB instance

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSupportedPrivileges
<Common request parameters>

{
"InstanceId": "cdb-f35wr6wj"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"GlobalSupportedPrivileges": [
"SELECT",
"INSERT",
"UPDATE",
"DELETE"
],
"DatabaseSupportedPrivileges": [
"SELECT",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"INSERT",
"UPDATE",
"DELETE"
],
"TableSupportedPrivileges": [
"SELECT",
"INSERT",
"UPDATE",
"DELETE"
],
"ColumnSupportedPrivileges": [
"SELECT",
"INSERT",
"UPDATE",
"REFERENCES"
]
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

©2013-2022 Tencent Cloud. All rights reserved.

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyAccountDescription

Last updated：2024-01-30 10:26:36

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 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAccountDescription.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Accounts.N	Yes	Array of Account	TencentDB account
Description	No	String	Database account remarks

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the remarks of a TencentDB instance account

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAccountDescription
<Common request parameters>

{
"InstanceId": "xx",
"Accounts": [
{
"Host": "192.168.1.1",
"User": "user1"
}
],
"Description": "test"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.

©2013-2022 Tencent Cloud. All rights reserved.

FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.

©2013-2022 Tencent Cloud. All rights reserved.

MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyAccountMaxUserConnections

Last updated：2024-01-30 10:26:35

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to modify the maximum connections of one or more TencentDB instance accounts.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAccountMaxUserConnections.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Accounts.N	Yes	Array of Account	List of TencentDB accounts
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
MaxUserConnections	Yes	Integer	Maximum connections of the account. Maximum value: `10240` .

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the maximum connections of a TencentDB instance account

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAccountMaxUserConnections
<Common request parameters>

{
"InstanceId": "cdb-f35wr6wj",
"MaxUserConnections": "100",
"Accounts": [
{
"Host": "127.0.0.1",
"User": "ajnnw"
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.AsyncTaskStatusError	Async task exception.
FailedOperation.JsonUnmarshalError	Failed to deserialize JSON.
InternalError.DBError	Database exception
InternalError.UnknownError	Unknown error
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyAccountPassword

Last updated：2024-01-30 10:26:35

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 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAccountPassword.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
NewPassword	Yes	String	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 (_+-&=!@#$%^*()).
Accounts.N	Yes	Array of Account	TencentDB account

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying TencentDB instance account password

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyAccountPassword
&InstanceId=cdb-f35wr6wj
&Accounts.0.user=ajnnw
&NewPassword=Gx18ux23F^X
&Accounts.0.host=127.0.0.1
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.StatusConflict	Task status conflict.
FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.InternalAssertError	Internal service error. Please contact customer

©2013-2022 Tencent Cloud. All rights reserved.

	service.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.InstTypeNotSupport	The current instance type does not support this operation.
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
OperationDenied.WrongPassword	Incorrect password or verification failed.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyAccountPrivileges

Last updated：2024-01-30 10:26:35

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 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAccountPrivileges.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Accounts.N	Yes	Array of Account	Database account, including username and domain name.

©2013-2022 Tencent Cloud. All rights reserved.

GlobalPrivileges.N	No	Array of String	Global permission. Valid values: "SELECT", "INSERT", "UPDATE", "DELETE", "CREATE", "PROCESS", "DROP", "REFERENCES", "INDEX", "ALTER", "SHOW DATABASES", "CREATE TEMPORARY TABLES", "LOCK TABLES", "EXECUTE", "CREATE VIEW", "SHOW VIEW", "CREATE ROUTINE", "ALTER ROUTINE", "EVENT", "TRIGGER", "CREATE USER", "RELOAD", "REPLICATION CLIENT", "REPLICATION SLAVE". Note: When “ModifyAction” is empty, if `GlobalPrivileges` is not passed in, it indicates the global permission will become ineffective.
DatabasePrivileges.N	No	Array of DatabasePrivilege	Database permission. Valid values: "SELECT", "INSERT", "UPDATE", "DELETE", "CREATE", "DROP", "REFERENCES", "INDEX", "ALTER", "CREATE TEMPORARY TABLES", "LOCK TABLES", "EXECUTE", "CREATE VIEW", "SHOW VIEW", "CREATE ROUTINE", "ALTER ROUTINE", "EVENT", "TRIGGER". Note: When “ModifyAction” is empty, if `DatabasePrivileges` is not passed in, it indicates the permission of the database will become ineffective.
TablePrivileges.N	No	Array of TablePrivilege	Table permission in the database. Valid values: "SELECT", "INSERT", "UPDATE", "DELETE", "CREATE", "DROP", "REFERENCES", "INDEX", "ALTER", "CREATE VIEW", "SHOW VIEW", "TRIGGER". Note: When “ModifyAction” is empty, if `TablePrivileges` is not passed in, it indicates the permission of the table will become ineffective.
ColumnPrivileges.N	No	Array of ColumnPrivilege	Column permission in the table. Valid values: "SELECT", "INSERT", "UPDATE", "REFERENCES". Note: When “ModifyAction” is empty, if `ColumnPrivileges` is not passed in, it indicates the permission of the column will become ineffective.
ModifyAction	No	String	When this parameter is not empty, it indicates that

©2013-2022 Tencent Cloud. All rights reserved.

			the permission will be modified. Valid values: `grant` (grant permission), `revoke` (revoke permission)

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the permissions of a TencentDB instance account

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAccountPrivileges
<Common request parameters>

{
"InstanceId": "cdb-f35wr6wj",
"Accounts": [
{
"Host": "127.0.0.1",
"User": "ajnnw"
}
],
"GlobalPrivileges": [
"SELECT"
]
}
```

Output Example

©2013-2022 Tencent Cloud. All rights reserved.

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be

©2013-2022 Tencent Cloud. All rights reserved.

	modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.StatusConflict	Task status conflict.
FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.RegexpCompileError	Regular expression compilation error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain

©2013-2022 Tencent Cloud. All rights reserved.

	8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.

ResetRootAccount

Last updated：2024-01-30 10:26:34

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to reset the root account and initialize the account permissions.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResetRootAccount.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

©2013-2022 Tencent Cloud. All rights reserved.

4. Example

Example1 Resetting the root account permissions

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ResetRootAccount
<Common request parameters>

{
"InstanceId": "cdb-ksixa"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
InternalError.UnknownError	Unknown error
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

Backup APIs
DescribeBackupDecryptionKey

Last updated：2024-01-30 10:26:32

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the decryption key of a backup file.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBackupDecryptionKey.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-XXXX, which is the same as the instance ID displayed in the TencentDB console.
BackupId	Yes	Integer	Instance backup ID, which can be obtained by the `DescribeBackups` API.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
DecryptionKey	String	The decryption key of a backup file
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the decryption key of a backup file

This example shows you how to query the decryption key of a backup file.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeBackupDecryptionKey<Common request parameters>{ "InstanceId": "cdb-XXXX", "BackupId": 12345}
```

Output Example

```
{
"Response": {
"DecryptionKey": "XXXXXXXXXXX",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.UnknownError	Unknown error
OperationDenied.NotSupportBasic	Basic instances do not support this operation (feature).

©2013-2022 Tencent Cloud. All rights reserved.

CreateBackup

Last updated：2024-01-30 10:26:34

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateBackup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
BackupMethod	Yes	String	Target backup method. Valid values: `logical` (logical cold backup), `physical` (physical cold backup), `snapshot` (snapshot backup). Basic Edition instances only support snapshot backups.
BackupDBTableList.N	No	Array of	Information of the table to be backed up. If this

©2013-2022 Tencent Cloud. All rights reserved.

		BackupItem	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 [{"Db": "db1", "Table": "tb1"}, {"Db": "db1", "Table": "tb2"}, {"Db": "db2"}].
ManualBackupName	No	String	Manual backup alias

3. Output Parameters

Parameter Name	Type	Description
BackupId	Integer	Backup task ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a database backup

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateBackup
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv",
"BackupDBTableList": [
{
"Table": "tb1",
"Db": "db1"
}
],
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"BackupMethod": "logical"
}
```

Output Example

```
{
"Response": {
"BackupId": 102996666,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.

©2013-2022 Tencent Cloud. All rights reserved.

FailedOperation.StatusConflict	Task status conflict.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DesError	Internal system error.
InternalError.HttpError	Exceptional HTTP request
InternalError.NetworkError	Network error
InternalError.OssError	An error occurred in TencentDB for MySQL High-Availability Edition database service.
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.DataConvertError	Data conversion failed.
OperationDenied.ActionInProcess	The instance is performing another task.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OverQuota	Limit exceeded.

©2013-2022 Tencent Cloud. All rights reserved.

DeleteBackup

Last updated：2024-01-30 10:26:33

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteBackup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
BackupId	Yes	Integer	Backup task ID, which is the task ID returned by the TencentDB instance backup creating API.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a TencentDB instance backup

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteBackup
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv",
"BackupId": "173381"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError.BackupError	Backup error.
InternalError.DesError	Internal system error.
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBackupDownloadRestriction

Last updated：2024-01-30 10:26:32

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the restrictions of downloading backups in a region.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBackupDownloadRestriction.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
LimitType	String	Valid values: `NoLimit` (backups can be downloaded over both private and public networks with any IPs), `LimitOnlyIntranet` (backups can be downloaded over the private network with any private IPs),

©2013-2022 Tencent Cloud. All rights reserved.

		`Customize` (backups can be downloaded over specified VPCs with specified IPs). The `LimitVpc` and `LimitIp` parameters are valid only when this parameter is set to `Customize` .
VpcComparisonSymbol	String	Valid value: `In` (backups can only be downloaded over the VPCs specified in `LimitVpc`).
IpComparisonSymbol	String	Valid values: `In` (backups can only be downloaded with the IPs specified in `LimitIp`), `NotIn` (backups cannot be downloaded with the IPs specified in `LimitIp`).
LimitVpc	Array of BackupLimitVpcItem	VPCs used to restrict backup download.
LimitIp	Array of String	IPs used to restrict backup download.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying backup download restrictions

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBackupDownloadRestriction
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"IpComparisonSymbol": "NotIn",
"LimitIp": [
"1.2.3.4",
"192.168.10.0/24"
],
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"LimitType": "Customize",
"LimitVpc": [
{
"Region": "ap-guangzhou",
"VpcList": [
"vpc-aa3ximox",
"vpc-64elqxc9"
]
}
],
"RequestId": "b0439fbf-f835-4327-bed8-184d48ef43db",
"VpcComparisonSymbol": "In"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.AuthError	Authentication failed.
InternalError.DBError	Database exception
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBackupEncryptionStatus

Last updated：2024-01-30 10:26:31

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the default encryption status of an instance backup.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBackupEncryptionStatus.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-XXXX, which is the same as that displayed in the TencentDB console.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

EncryptionStatus	String	Whether the physical cold backup is enabled for the instance. Valid values: `on` , `off` .
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the encryption status of an instance backup

This example shows you how to query the encryption status of an instance backup.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeBackupDecryptionKey<Common request parameters>{ "InstanceId": "cdb-XXXX"}
```

Output Example

```
{
"Response": {
"EncryptionStatus": "on",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.InstanceQueryError	Query failed.
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBackupOverview

Last updated：2024-01-30 10:26:31

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBackupOverview.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Product	Yes	String	TencentDB product type to be queried. Currently, only `mysql` is supported.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

BackupCount	Integer	Total number of backups of a user in the current region (including data backups and log backups).
BackupVolume	Integer	Total capacity of backups of a user in the current region.
BillingVolume	Integer	Paid capacity of backups of a user in the current region, i.e., capacity that exceeds the free tier.
FreeVolume	Integer	Backup capacity in the free tier of a user in the current region.
RemoteBackupVolume	Integer	Total capacity of backups of a user in the current region Note: This field may return null, indicating that no valid value can be obtained.
BackupArchiveVolume	Integer	Archive backup capacity, which includes data backups and log backups. Note: This field may return null, indicating that no valid value can be obtained.
BackupStandbyVolume	Integer	Backup capacity of standard storage, which includes data backups and log backups. Note: This field may return null, indicating that no valid value can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying backup overview

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBackupOverview
<Common request parameters>

{
"Product": "mysql"
}
```

Output Example

©2013-2022 Tencent Cloud. All rights reserved.

```
{
"Response": {
"BackupCount": 15,
"BackupVolume": 90000,
"BillingVolume": 20000,
"FreeVolume": 70000,
"RemoteBackupVolume": 1000,
"BackupArchiveVolume": 1000,
"BackupStandbyVolume": 1000,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure.SubAccountDenied	The sub-account has no permissions.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.CdbError	System error.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBackupSummaries

Last updated：2024-01-30 10:26:31

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBackupSummaries.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Product	Yes	String	TencentDB product type to be queried. Currently, only `mysql` is supported.
Offset	No	Integer	Paginated query offset. Default value: `0` .
Limit	No	Integer	Maximum entries returned per page, which ranges from 1 to 100. Default value: `20` .
OrderBy	No	String	Sorting criterion. Valid values: `BackupVolume` (backup capacity), `DataBackupVolume` (data backup capacity),

©2013-2022 Tencent Cloud. All rights reserved.

			`BinlogBackupVolume` (log backup capacity), `AutoBackupVolume` (automatic backup capacity), `ManualBackupVolume` (manual backup capacity). Default value: `BackupVolume` .
OrderDirection	No	String	Sorting order. Valid values: `ASC` (ascending), `DESC` (descending). Default value: `ASC` .

3. Output Parameters

Parameter Name	Type	Description
Items	Array of BackupSummaryItem	Statistical items of instance backup.
TotalCount	Integer	Total number of instance backups.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the real-time backup statistics

This example shows you how to query the real-time backup statistics.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeBackupSummaries<Common request parameters>{ "Product": "mysql", "Limit": "1"}
```

Output Example

```
{
"Response": {
"Items": [
{
"AutoBackupCount": 5,
"AutoBackupVolume": 10000,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"BackupVolume": 50000,
"BinlogBackupCount": 2,
"BinlogBackupVolume": 20000,
"DataBackupCount": 15,
"DataBackupVolume": 30000,
"InstanceId": "cdb-01wa5l0v",
"ManualBackupCount": 10,
"ManualBackupVolume": 20000
}
],
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 50
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

©2013-2022 Tencent Cloud. All rights reserved.

AuthFailure	CAM signature/authentication error.
AuthFailure.SubAccountDenied	The sub-account has no permissions.
InternalError.CdbError	System error.
InternalError.DBError	Database exception
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.SubAccountOperationDenied	The Tencent Cloud sub-account is not allowed to perform the operation due to insufficient permissions.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBinlogBackupOverview

Last updated：2024-01-30 10:26:30

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBinlogBackupOverview.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Product	Yes	String	TencentDB product type to be queried. Currently, only `mysql` is supported.

3. Output Parameters

Parameter Name	Type	Description
BinlogBackupVolume	Integer	Total capacity of log backups in bytes (including remote log backups)

©2013-2022 Tencent Cloud. All rights reserved.

BinlogBackupCount	Integer	Total number of log backups (include remote log backups)
RemoteBinlogVolume	Integer	Capacity of remote log backups in bytes
RemoteBinlogCount	Integer	Number of remote backups
BinlogArchiveVolume	Integer	Capacity of archive log backups in bytes
BinlogArchiveCount	Integer	Number of archived log backups
BinlogStandbyVolume	Integer	Log backup capacity of standard storage in bytes
BinlogStandbyCount	Integer	Number of log backups of standard storage
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 DescribeBinlogBackupOverview

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBinlogBackupOverview
<Common request parameters>

{
"Product": "mysql"
}
```

Output Example

```
{
"Response": {
"BinlogBackupCount": 15,
"BinlogBackupVolume": 6000,
"RemoteBinlogCount": 5,
"RemoteBinlogVolume": 2000,
"BinlogArchiveCount": 5,
"BinlogArchiveVolume": 2000,
"BinlogStandbyCount": 5,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"BinlogStandbyVolume": 2000,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure.SubAccountDenied	The sub-account has no permissions.
InternalError.CdbError	System error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.SubAccountOperationDenied	The Tencent Cloud sub-account is not allowed to perform the operation due to insufficient permissions.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDataBackupOverview

Last updated：2024-01-30 10:26:29

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDataBackupOverview.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Product	Yes	String	TencentDB product type to be queried. Currently, only `mysql` is supported.

3. Output Parameters

Parameter Name	Type	Description
DataBackupVolume	Integer	Total capacity of data backups in bytes in the current region

©2013-2022 Tencent Cloud. All rights reserved.

		(including automatic backups and manual backups).
DataBackupCount	Integer	Total number of data backups in the current region.
AutoBackupVolume	Integer	Total capacity of automatic backups in the current region.
AutoBackupCount	Integer	Total number of automatic backups in the current region.
ManualBackupVolume	Integer	Total capacity of manual backups in the current region.
ManualBackupCount	Integer	Total number of manual backups in the current region.
RemoteBackupVolume	Integer	Total capacity of remote backups
RemoteBackupCount	Integer	Total number of remote backups
DataBackupArchiveVolume	Integer	Total capacity of archive backups in the current region
DataBackupArchiveCount	Integer	Total number of archive backups in the current region
DataBackupStandbyVolume	Integer	Total backup capacity of standard storage in current region
DataBackupStandbyCount	Integer	Total number of standard storage backups in current region
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 DescribeDataBackupOverview

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDataBackupOverview
<Common request parameters>

{
"Product": "mysql"
}
```

Output Example

©2013-2022 Tencent Cloud. All rights reserved.

```
{
"Response": {
"AutoBackupCount": 3,
"AutoBackupVolume": 3000,
"DataBackupCount": 5,
"DataBackupVolume": 5000,
"ManualBackupCount": 2,
"ManualBackupVolume": 2000,
"RemoteBackupVolume": 1000,
"RemoteBackupCount": 1,
"DataBackupArchiveVolume": 1000,
"DataBackupArchiveCount": 1,
"DataBackupStandbyVolume": 1000,
"DataBackupStandbyCount": 1,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

©2013-2022 Tencent Cloud. All rights reserved.

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure.SubAccountDenied	The sub-account has no permissions.
InternalError.CdbError	System error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

DescribeLocalBinlogConfig

Last updated：2024-01-30 10:26:28

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the retention policy of local binlog of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeLocalBinlogConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.

3. Output Parameters

Parameter Name	Type	Description
LocalBinlogConfig	LocalBinlogConfig	Binlog retention policy of the instance.

©2013-2022 Tencent Cloud. All rights reserved.

LocalBinlogConfigDefault	LocalBinlogConfigDefault	Default binlog retention policy in the region.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the retention policy of local binlog

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeLocalBinlogConfig
&InstanceId=cdb-c1nl9rpv
&<Common request parameters>
```

Output Example

```
{
"Response": {
"LocalBinlogConfig": {
"MaxUsage": 30,
"SaveHours": 120
},
"LocalBinlogConfigDefault": {
"MaxUsage": 30,
"SaveHours": 120
},
"RequestId": "a8cce05c-3975-1243-1087-17e2851d3486"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

DescribeRemoteBackupConfig

Last updated：2024-01-30 10:26:28

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the configuration information of a remote TencentDB instance backup.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRemoteBackupConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.

3. Output Parameters

Parameter Name	Type	Description
ExpireDays	Integer	Remote backup retention period in days

©2013-2022 Tencent Cloud. All rights reserved.

RemoteBackupSave	String	Remote data backup. Valid values: `off` (disable), `on` (enable).
RemoteBinlogSave	String	Remote log backup. Valid values: `off` (disable), `on` (enable). Only when the parameter `RemoteBackupSave` is `on` , the `RemoteBinlogSave` parameter can be set to `on` .
RemoteRegion	Array of String	List of configured remote backup regions
RegionList	Array of String	List of remote backup regions
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the configuration information of a remote TencentDB instance backup

This example shows you how to query the configuration information of a remote TencentDB instance backup.

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeRemoteBackupConfig&InstanceId=cdb-c1nl9rpv&<common request parameters>
```

Output Example

```
{
"Response": {
"ExpireDays": 7,
"RemoteBackupSave": "on",
"RemoteBinlogSave": "on",
"RemoteRegion": [
"ap-guangzhou",
"ap-shanghai"
],
"RegionList": [
"ap-guangzhou",
"ap-shanghai",
"ap-beijing",
"ap-shanghai"
```

©2013-2022 Tencent Cloud. All rights reserved.

```
],
"RequestId": "9d73ec37-89b8-4d36-9f40-123123123"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.UnknownError	Unknown error
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeSlowLogs

Last updated：2024-01-30 10:26:27

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

The API DescribeSlowLogs is used to obtain slow query logs of a cloud database (CDB) instance. Note: If the size of logs to be queried is too large, the operation may time out. It is recommended that you select a shorter time range, such as one hour.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSlowLogs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Offset	No	Integer	Pagination offset, starting from `0`. Default value: `0`.
Limit	No	Integer	Number of entries per page. Value range: 1-100. Default value: 20.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible slow logs.
Items	Array of SlowLogInfo	Details of eligible slow logs.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying slow logs

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSlowLogs
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv"
}
```

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
```

©2013-2022 Tencent Cloud. All rights reserved.

```
},
{
"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
}
]
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

©2013-2022 Tencent Cloud. All rights reserved.

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
CdbError.TaskError	Backend task error.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.InternalServiceErrorErr	An error occurred while accessing internal service.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.WrongStatus	The backend task status is invalid.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyBackupDownloadRestriction

Last updated：2024-01-30 10:26:26

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to modify the restrictions of downloading backups in a region. You can specify which types of networks (private, or both private and public), VPCs, and IPs to download backups.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyBackupDownloadRestriction.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
LimitType	Yes	String	Valid values: `NoLimit` (backups can be downloaded over both private and public networks with any IPs), `LimitOnlyIntranet` (backups can be downloaded over the private network with any private IPs), `Customize` (backups can be downloaded over specified VPCs with specified IPs). The `LimitVpc` and

©2013-2022 Tencent Cloud. All rights reserved.

			`LimitIp` parameters are valid only when this parameter is set to `Customize` .
VpcComparisonSymbol	No	String	Valid value: `In` (backups can only be downloaded over the VPCs specified in `LimitVpc`). Default value: `In` .
IpComparisonSymbol	No	String	Valid values: `In` (backups can only be downloaded with the IPs specified in `LimitIp`), `NotIn` (backups cannot be downloaded with the IPs specified in `LimitIp`). Default value: `In` .
LimitVpc.N	No	Array of BackupLimitVpcItem	VPCs used to restrict backup download.
LimitIp.N	No	Array of String	IPs used to restrict backup download.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying backup download restrictions

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyBackupDownloadRestriction
<Common request parameters>

{
"LimitType": "Customize",
"VpcComparisonSymbol": "In",
"LimitVpc": [
```

©2013-2022 Tencent Cloud. All rights reserved.

```
{
"Region": "ap-guangzhou",
"VpcList": [
"vpc-64elqxc9",
"vpc-aa3ximox"
]
}
],
"IpComparisonSymbol": "NotIn",
"LimitIp": [
"192.168.10.0/24",
"1.2.3.4"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "7fd6ee14-ad09-4c58-9612-65d4d1691d50"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

©2013-2022 Tencent Cloud. All rights reserved.

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.AuthError	Authentication failed.
InternalError.DBError	Database exception
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

ModifyBackupEncryptionStatus

Last updated：2024-01-30 10:26:26

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to set the encryption status of an instance backup.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyBackupEncryptionStatus.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-XXXX, which is the same as that displayed in the TencentDB console.
EncryptionStatus	Yes	String	Default encryption status for the new auto-generated physical backup files. Valid values: `on` , `off` .

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enabling instance backup encryption

This example shows you how to enable instance backup encryption.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: ModifyBackupEncryptionStatus<Common request parameters>{ "InstanceId": "cdb-XXXX", "EncryptionStatus": "on"}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
AuthFailure.InvalidAuthorization	Invalid authorization
AuthFailure.SubAccountDenied	The sub-account has no permissions.
FailedOperation	Operation failed.
InternalError	An internal error occurred.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.UnknownError	Unknown error
InvalidParameterValue	Invalid parameter value
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
MissingParameter	Missing parameter
OperationDenied.AccountOperationDenied	The Tencent Cloud account is not allowed to perform the operation due to insufficient permissions.
OperationDenied.NotSupportBasic	Basic instances do not support this operation (feature).

©2013-2022 Tencent Cloud. All rights reserved.

ModifyLocalBinlogConfig

Last updated：2024-01-30 10:26:26

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to modify the retention policy of local binlog of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyLocalBinlogConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
SaveHours	Yes	Integer	Retention period of local binlog. Valid range: 72-168 hours. When there is disaster recovery instance, the valid range will be 120-168 hours.
MaxUsage	Yes	Integer	Space utilization of local binlog. Value range: [30,50].

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the retention policy of local binlog

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyLocalBinlogConfig
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv",
"MaxUsage": "30",
"SaveHours": "72"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.InstanceUnsupportedOperateError	The instance does not support this operation.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyRemoteBackupConfig

Last updated：2024-01-30 10:26:25

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to modify the configuration information of a remote TencentDB instance backup.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyRemoteBackupConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
RemoteBackupSave	Yes	String	Remote data backup. Valid values: `off` (disable), `on` (enable).
RemoteBinlogSave	Yes	String	Remote log backup. Valid values: `off` (disable), `on` (enable). Only when the parameter `RemoteBackupSave` is `on` , the `RemoteBinlogSave` parameter can be set to `on` .
RemoteRegion.N	Yes	Array	The custom backup region list

©2013-2022 Tencent Cloud. All rights reserved.

		of String	
ExpireDays	Yes	Integer	Remote backup retention period in days

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the configuration information of a remote TencentDB instance backup.

None

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: ModifyRemoteBackupConfig<Common request parameters>{ "InstanceId": "cdb-c1nl9rpv", "RemoteBinlogSave": "on", "ExpireDays": "7", "RemoteRegion": [ "ap-guangzhou" ], "RemoteBackupSave": "on"}
```

Output Example

```
{
"Response": {
"RequestId": "9d73ec37-89b8-4d36-9f40-123123123"
}
}
```

5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBackups

Last updated：2024-01-30 10:26:30

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBackups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Offset	No	Integer	Offset. Minimum value: 0.
Limit	No	Integer	Number of entries per page. Value range: 1-100. Default value: 20.

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible instances.
Items	Array of BackupInfo	Details of eligible backups.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the list of data backup files

This example shows you how to query the list of data backup files.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBackups
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 2,
"Items": [
{
"Status": "SUCCESS",
"FinishTime": "2017-07-23 12:03:42",
"Name": "ivansqwutestdr_backup_20170429000134",
"IntranetUrl": "http://gz.tencent.com",
"Creator": "SYSTEM",
"BackupId": 12445233,
"Date": "2017-04-29 00:01:34",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"StartTime": "2017-07-22 00:01:34",
"InternetUrl": "http://gz.tencent.com",
"Type": "logical",
"Way": "automatic",
"ManualBackupName": "ab",
"SaveMode": "save_mode_regular",
"RemoteInfo": [],
"Region": "ap-guangzhou",
"Method": "full",
"CosStorageType": 0,
"Size": 653226
"InstanceId": "cdb-sadq",
"EncryptionFlag": "off"
},
{
"Status": "SUCCESS",
"FinishTime": "2017-07-23 12:03:42",
"StartTime": "2017-07-23 00:01:34",
"Name": "ivansqwutestdr_backup_20170430000129",
"IntranetUrl": "http://gz.tencent.com",
"Creator": "SYSTEM",
"BackupId": 436184134,
"Date": "2017-04-30 00:01:29",
"InternetUrl": "http://gz.tencent.com",
"Type": "logical",
"Way": "automatic",
"ManualBackupName": "abv",
"SaveMode": "save_mode_regular",
"RemoteInfo": [],
"Region": "ap-guangzhou",
"Method": "full",
"CosStorageType": 0,
"Size": 653226
"InstanceId": "cdb-asdqwdqd",
"EncryptionFlag": "on"
}
]
}
}
```


5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DBError	Database exception
InternalError.DBOperationError	Database operation failed.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DesError	Internal system error.
InternalError.FtpError	File transfer exception
InternalError.HttpError	Exceptional HTTP request
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongStatus	The backend task status is invalid.
UnsupportedOperation	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBackupConfig

Last updated：2024-01-30 10:26:33

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBackupConfig.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.

3. Output Parameters

Parameter Name	Type	Description
StartTimeMin	Integer	Earliest start time point of automatic backup, such as 2 (for 2:00 AM). (This field has been disused. You

©2013-2022 Tencent Cloud. All rights reserved.

		are recommended to use the `BackupTimeWindow` field)
StartTimeMax	Integer	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)
BackupExpireDays	Integer	Backup file retention period in days.
BackupMethod	String	Backup mode. Value range: physical, logical
BinlogExpireDays	Integer	Binlog file retention period in days.
BackupTimeWindow	CommonTimeWindow	Time window for automatic instance backup.
EnableBackupPeriodSave	String	Switch for archive backup retention. Valid values: `off` (disable), `on` (enable). Default value: `off` .
BackupPeriodSaveDays	Integer	Maximum days of archive backup retention. Valid range: 90-3650. Default value: 1080.
BackupPeriodSaveInterval	String	Archive backup retention period. Valid values: `weekly` (a week), `monthly` (a month), `quarterly` (a quarter), `yearly` (a year). Default value: `monthly` .
BackupPeriodSaveCount	Integer	Number of archive backups. Minimum value: `1` , Maximum value: Number of non-archive backups in archive backup retention period. Default value: `1` .
StartBackupPeriodSaveDate	String	The start time in the format: yyyy-mm-dd HH:MM:SS, which is used to enable archive backup retention policy.
EnableBackupArchive	String	Whether to enable the archive backup. Valid values: `off` (disable), `on` (enable). Default value: `off` .
BackupArchiveDays	Integer	The period (in days) of how long a data backup is retained before being archived, which falls between 180 days and the number of days from the time it is created until it expires.
EnableBinlogArchive	String	Whether to enable the archive backup of logs. Valid values: `off` (disable), `on` (enable). Default

©2013-2022 Tencent Cloud. All rights reserved.

		value: `off` .
BinlogArchiveDays	Integer	The period (in days) of how long a log backup is retained before being archived, which falls between 180 days and the number of days from the time it is created until it expires.
EnableBackupStandby	String	Whether to enable the standard storage policy for data backup. Valid values: `off` (disable), `on` (enable). Default value: `off` .
BackupStandbyDays	Integer	The period (in days) of how long a data backup is retained before switching to standard storage, which falls between 30 days and the number of days from the time it is created until it expires. If the archive backup is enabled, this period cannot be greater than archive backup period.
EnableBinlogStandby	String	Whether to enable the standard storage policy for log backup. Valid values: `off` (disable), `on` (enable). Default value: `off` .
BinlogStandbyDays	Integer	The period (in days) of how long a log backup is retained before switching to standard storage, which falls between 30 days and the number of days from the time it is created until it expires. If the archive backup is enabled, this period cannot be greater than archive backup period.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the configuration information of a TencentDB instance backup

This API shows you how to query the configuration information of a TencentDB instance backup.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBackupConfig
```

©2013-2022 Tencent Cloud. All rights reserved.

```
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv"
}
```

Output Example

```
{
"Response": {
"BackupMethod": "physical",
"BinlogExpireDays": 7,
"BackupExpireDays": 7,
"StartTimeMin": 10,
"StartTimeMax": 14,
"BackupTimeWindow": {
"BackupPeriodStrategy": "weekly",
"BackupPeriodTime": "00:00-12:00",
"Days": [],
"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"
},
"EnableBackupPeriodSave": "off",
"BackupPeriodSaveDays": 1080,
"BackupPeriodSaveInterval": "monthly",
"BackupPeriodSaveCount": 1,
"StartBackupPeriodSaveDate": "2021-12-12 00:00:00",
"EnableBackupArchive": "on",
"BackupArchiveDays": 180,
"EnableBinlogArchive": "on",
"BinlogArchiveDays": 180,
"EnableBackupStandby": "on",
"BackupStandbyDays": 30,
"EnableBinlogStandby": "on",
"BinlogStandbyDays": 30,
"RequestId": "9d73ec37-89b8-4d36-9f40-123123123"
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.CdbCgwError	Internal system error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.FtpError	File transfer exception
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyBackupConfig

Last updated：2024-01-30 10:26:27

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value usec this API: ModifyBackupConfig.
Version	Yes	String	Common Params. The value usec this API: 2017-03-20.
Region	No	String	Common Params. This parameter not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
ExpireDays	No	Integer	Backup file retention period in day Value range: 7-1830.
StartTime	No	String	(This parameter will be disused. T `BackupTimeWindow` paramet

©2013-2022 Tencent Cloud. All rights reserved.

			is recommended.) Backup time ra in the format of 02:00-06:00, with start time and end time on the hou 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.
BackupMethod	No	String	Automatic backup mode. Only `physical` (physical cold back is supported
BinlogExpireDays	No	Integer	Binlog retention period in days. Va range: 7-1830. It can't be greater than the retention period of backu files.
BackupTimeWindow	No	CommonTimeWindow	Backup time window; for example set up backup between 10:00 anc 14:00 on every Tuesday and Sunc you should set this parameter as follows: {"Monday": "", "Tuesday": "10:00-14:00", "Wednesday": "", "Thursday": "", "Friday": "", "Saturday": "", "Sunday": "10:00-14:00"} (Note: You can set up bac on different days, but the backup t windows need to be the same. If tl field is set, the `StartTime` fiel will be ignored)
EnableBackupPeriodSave	No	String	Switch for periodic archive. Valid values: `off` (disable), `on` (enable). Default value: `off` . W you enable the periodic archive pc for the first time, you need to enter `BackupPeriodSaveDays` , `BackupPeriodSaveInterva` `BackupPeriodSaveCount` , a `StartBackupPeriodSaveDa` parameters; otherwise, the policy not take effect.
EnableBackupPeriodLongTermSave	No	String	Switch for long-term backup reten (This field can be ignored, for its feature hasn't been launched). Va

©2013-2022 Tencent Cloud. All rights reserved.

			values: `off` (disable), `on` (enable). Default value: `off` . O enabled, the parameters (BackupPeriodSaveDays, BackupPeriodSaveInterval, and BackupPeriodSaveCount) will be invalid.
BackupPeriodSaveDays	No	Integer	Maximum days of archive backup retention. Valid range: 90-3650. Default value: 1080.
BackupPeriodSaveInterval	No	String	Archive backup retention period. Valid values: `weekly` (a week) `monthly` (a month), `quarterly` (a quarter), `yearly` (a year). Default value `monthly` .
BackupPeriodSaveCount	No	Integer	Number of archive backups. Minimum value: `1` , Maximum value: Number of non-archive backups in archive backup retenti period. Default value: `1` .
StartBackupPeriodSaveDate	No	String	The start time in the format of yyy mm-dd HH:MM:SS, which is usec enable archive backup retention policy.
EnableBackupArchive	No	String	Whether to enable the archive backup. Valid values: `off` (disable), `on` (enable). Default value: `off` .
BackupArchiveDays	No	Integer	The period (in days) of how long a data backup is retained before be archived, which falls between 180 days and the number of days from the time it is created until it expire
BinlogArchiveDays	No	Integer	The period (in days) of how long a backup is retained before being archived, which falls between 180 days and the number of days from the time it is created until it expire

©2013-2022 Tencent Cloud. All rights reserved.

EnableBinlogArchive	No	String	Whether to enable the archive backup of the log. Valid values: `off` (disable), `on` (enable). Default value: `off`.
EnableBackupStandby	No	String	Whether to enable the standard storage policy for data backup. Va values: `off` (disable), `on` (enable). Default value: `off`.
BackupStandbyDays	No	Integer	The period (in days) of how long a data backup is retained before switching to standard storage, wh falls between 30 days and the number of days from the time it is created until it expires. If the archi backup is enabled, this period car be greater than archive backup period.
EnableBinlogStandby	No	String	Whether to enable the standard storage policy for log backup. Vali values: `off` (disable), `on` (enable). Default value: `off`.
BinlogStandbyDays	No	Integer	The period (in days) of how long a backup is retained before switchir to standard storage, which falls between 30 days and the number days from the time it is created un expires. If the archive backup is enabled, this period cannot be greater than archive backup perio

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

©2013-2022 Tencent Cloud. All rights reserved.

4. Example

Example1 Modifying the database backup configuration

This example shows you how to modify the database backup configuration.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyBackupConfig
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv",
"ExpireDays": "10",
"BinlogExpireDays": "8",
"BackupMethod": "logical",
"StartTime": "02:00-06:00"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError	Backend or process error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UndefinedError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeBinlogs

Last updated：2024-01-30 10:26:29

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBinlogs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Offset	No	Integer	Offset. Minimum value: 0.
Limit	No	Integer	Number of entries per page. Value range: 1-100. Default value: 20.
MinStartTime	No	String	The earliest start time of binlog in the format of 2016-03-17 02:10:37.
MaxStartTime	No	String	The latest start time of binlog in the format of 2016-03-17 02:10:37.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible log files.
Items	Array of BinlogInfo	Number of eligible binlog files.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying binlog

This example shows you how to query a binlog.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBinlogs
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv"
}
```

Output Example

```
{
"Response": {
"Items": [
{
"BinlogFinishTime": "2020-11-12 21:13:12",
"BinlogStartTime": "2020-11-12 21:13:04",
"Date": "2020-11-12 21:13:35",
"InternetUrl": "https://*****",
"IntranetUrl": "https://*****",
"Name": "cdb73977_binlog_mysqlbin.000004",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"Size": 505,
"Status": "FINISHED",
"Region": "ap-guangzhou",
"CosStorageType": 0,
"RemoteInfo": [],
"Type": "binlog",
"InstanceId": "cdb-xxx"
},
{
"BinlogFinishTime": "2020-11-12 21:13:04",
"BinlogStartTime": "2020-11-02 11:38:49",
"Date": "2020-11-12 21:13:25",
"InternetUrl": "https://*****",
"IntranetUrl": "https://*****",
"Name": "cdb73977_binlog_mysqlbin.000003",
"Size": 4537,
"Status": "FINISHED",
"Region": "ap-guangzhou",
"CosStorageType": 0,
"RemoteInfo": [],
"Type": "binlog",
"InstanceId": "cdb-xxx"
}
],
"RequestId": "2d8504a5-157d-4753-a060-6464b0e875e5",
"TotalCount": 2
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.CdbError	System error.
InternalError.DBError	Database exception
InternalError.DBOperationError	Database operation failed.
InternalError.DatabaseAccessError	Internal database error.
InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

Rollback APIs
CreateCloneInstance

Last updated：2024-01-30 10:25:42

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to create a clone of a specific instance, and roll back the clone by using a physical backup file of the instance or roll back the clone to a point in time.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateCloneInstance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance to be cloned from
SpecifiedRollbackTime	No	String	To roll back the cloned instance to a specific point in time, set this parameter to a value in the format of "yyyy-mm-dd hh:mm:ss".

©2013-2022 Tencent Cloud. All rights reserved.

SpecifiedBackupId	No	Integer	To roll back the cloned instance to a specific physical backup file, set this parameter to the ID of the physical backup file. The ID can be obtained by the DescribeBackups API.
UniqVpcId	No	String	VPC ID, which can be obtained by the DescribeVpcs API. If this parameter is left empty, the classic network will be used by default.
UniqSubnetId	No	String	VPC subnet ID, which can be obtained by the DescribeSubnets API. If `UniqVpcId` is set, `UniqSubnetId` will be required.
Memory	No	Integer	Memory of the cloned instance in MB, which should be equal to (by default) or larger than that of the original instance
Volume	No	Integer	Disk capacity of the cloned instance in GB, which should be equal to (by default) or larger than that of the original instance
InstanceName	No	String	Name of the cloned instance
SecurityGroup.N	No	Array of String	Security group parameter, which can be obtained by the DescribeProjectSecurityGroups API
ResourceTags.N	No	Array of TagInfo	Information of the cloned instance tag
Cpu	No	Integer	The number of CPU cores of the cloned instance. It should be equal to (by default) or larger than that of the original instance.
ProtectMode	No	Integer	Data replication mode. Valid values: 0 (async), 1 (semi-sync), 2 (strong sync). Default value: 0.
DeployMode	No	Integer	Multi-AZ or single-AZ. Valid values: 0 (single-AZ), 1 (multi-AZ). Default value: 0.
SlaveZone	No	String	Availability zone information of replica 1 of the cloned instance, which is the same as the value of `Zone` of the original instance by default
BackupZone	No	String	Availability zone information of replica 2 of the cloned instance, which is left empty by default. Specify this parameter when cloning a strong sync source instance.

©2013-2022 Tencent Cloud. All rights reserved.

DeviceType	No	String	Resource isolation type of the clone. Valid values: `UNIVERSAL` (general instance), `EXCLUSIVE` (dedicated instance). Default value: `UNIVERSAL` .
InstanceNodes	No	Integer	The number of nodes of the clone. If this parameter is set to `3` or the `BackupZone` parameter is specified, the clone will have three nodes. If this parameter is set to `2` or left empty, the clone will have two nodes.
DeployGroupId	No	String	Placement group ID.
DryRun	No	Boolean	Whether to check the request without creating any instance. Valid values: `true` , `false` (default). After being submitted, the request will be checked to see if it is in correct format and has all required parameters with valid values. An error code is returned if the check failed, and `RequestId` is returned if the check succeeded. After a successful check, no instance will be created if this parameter is set to `true` , whereas an instance will be created and if it is set to `false` .
CageId	No	String	Financial cage ID.
ProjectId	No	Integer	Project ID. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	LimitAsync task request ID, which can be used to query the execution result of an async task
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Cloning an instance and rolling back the clone to a specific point in time

Input Example

©2013-2022 Tencent Cloud. All rights reserved.

```
https://cdb.tencentcloudapi.com/?Action=CreateCloneInstance
&InstanceId=cdb-9303wd4x
&SpecifiedRollbackTime=2020-08-0116:27:43
&UniqVpcId=vpc-594gwq4l
&UniqSubnetId=subnet-dz5pj862
&Memory=1000
&Volume=50
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

©2013-2022 Tencent Cloud. All rights reserved.

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError	Backend or process error.
CdbError.DatabaseError	Backend database error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.CdbError	System error.
InternalError.DfwError	Security group operation error.
InternalError.TradeError	Transaction system error.
InternalError.UndefinedError	Unknown error
InternalError.VpcError	VPC or subnet error.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.OtherOderInProcess	There are other orders being submitted. Please try again later.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeRollbackTaskDetail

Last updated：2024-01-30 10:25:40

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRollbackTaskDetail.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
AsyncRequestId	No	String	Async task ID.
Limit	No	Integer	Pagination parameter, i.e., the number of entries to be returned for a single request. Default value: 20. Maximum value: 100.
Offset	No	Integer	Pagination offset. Default value: 0.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible entries.
Items	Array of RollbackTask	Rollback task details. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the details of a rollback task

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRollbackTaskDetail
<Common request parameters>

{
"InstanceId": "cdb-qwer1234",
"Limit": "1"
}
```

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",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"Detail": [
{
"InstanceId": "cdb-qwer1234",
"Strategy": "full",
"RollbackTime": "2020-04-22 10:00:57",
"Databases": [],
"Tables": [
{
"Table": [
{
"TableName": "sbtest1",
"NewTableName": "sbtest1_bak"
},
{
"TableName": "sbtest2",
"NewTableName": "sbtest2_bak"
}
],
"Database": "dbtest_bak"
}
]
}
]
}
],
"RequestId": "1ac120c8-744a-4c15-be4e-4431511c0233"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError.DatabaseError	Backend database error.
InternalError.CdbError	System error.
InvalidParameter.ResourceNotExists	The resource does not exist.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.

©2013-2022 Tencent Cloud. All rights reserved.

StartBatchRollback

Last updated：2024-01-30 10:25:40

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StartBatchRollback.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Instances.N	Yes	Array of RollbackInstancesInfo	Details of the instance for rollback

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
AsyncRequestId	String	Async task request ID, which can be used to query the execution result of an async task.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Rolling back database tables

Input Example

```
https://cdb.tencentcloudapi.com/?Action=StartBatchRollback
&Instances.0.InstanceId=cdb-xxxxxxxx
&Instances.0.Strategy=full
&Instances.0.RollbackTime=2018-08-01 16:27:43
&Instances.0.Databases.0.DatabaseName=old_db
&Instances.0.Databases.0.NewDatabaseName=new_db
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "a6040589-3b098df5-b551d9e5-81c6bfdc"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError.TaskError	Backend task error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.WrongStatus	The backend task status is invalid.
OverQuota	Limit exceeded.

©2013-2022 Tencent Cloud. All rights reserved.

StopRollback

Last updated：2024-01-30 10:25:39

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to cancel a rollback task in progress, and returns an async task ID. You can use the `DescribeAsyncRequestInfo` API to query the result of cancellation.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StopRollback.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance whose rollback task is canceled

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task request ID

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Canceling a rollback task

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: StopRollback
<Common request parameters>

{
"InstanceId": "cdb-9303wd4x"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
CdbError.DatabaseError	Backend database error.
CdbError.TaskError	Backend task error.
InternalError.AsyncRequestError	An error occurred while querying async tasks.
InternalError.CdbError	System error.
InternalError.DesError	Internal system error.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeCloneList

Last updated：2024-01-30 10:25:41

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the clone task list of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCloneList.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	ID of the original instance. This parameter is used to query the clone task list of a specific original instance.
Offset	No	Integer	Paginated query offset. Default value: `0` .
Limit	No	Integer	Number of results per page. Default value: `20` .

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
TotalCount	Integer	The number of results which meet the conditions
Items	Array of CloneItem	Clone task list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the clone task list

This example shows you how to query the clone task list.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeCloneList
<Common request parameters>

{
&InstanceId=cdb-9303wd4x
}
```

Output Example

```
{
"Response": {
"TotalCount": 2,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"Items": [
{
"SrcInstanceId": "cdb-4bblpca3",
"RollbackTargetTime": "2019-11-15 12:34:56",
"CloneJobId": 80,
"SrcRegionId": 0,
"TaskStatus": "initial",
"NewRegionId": 8,
"RollbackStrategy": "test",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"StartTime": "2019-12-26 18:05:42",
"DstInstanceId": "cdb-9ubfzt6x",
"EndTime": ""
},
{
"SrcInstanceId": "cdb-4bblpca3",
"RollbackTargetTime": "2019-11-15 16:13:31",
"CloneJobId": 81,
"SrcRegionId": 4,
"TaskStatus": "initial",
"StartTime": "2019-12-26 17:16:58",
"RollbackStrategy": "backupset",
"NewRegionId": 0,
"DstInstanceId": "cdb-awbsatzq",
"EndTime": ""
}
]
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

©2013-2022 Tencent Cloud. All rights reserved.

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError	Backend or process error.
CdbError.DatabaseError	Backend database error.
InternalError.UnknownError	Unknown error

©2013-2022 Tencent Cloud. All rights reserved.

DescribeRollbackRangeTime

Last updated：2024-01-30 10:25:41

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRollbackRangeTime.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	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.
IsRemoteZone	No	String	Whether the clone instance and the source instance are in the same AZ. Valid values: `true` (yes), `false` (no).
BackupRegion	No	String	The region of the clone instance, such as `ap-guangzhou` .

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible instances.
Items	Array of InstanceRollbackRangeTime	Returned parameter information.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the time range available for rollback

This example shows you how to query the time range available for rollback.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRollbackRangeTime
<Common request parameters>

{
"InstanceIds": [
"cdb-bdf7h3j1",
"cdb-fix44sxh"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 2,
"Items": [
{
"InstanceId": "cdb-fix44sxh",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"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

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

©2013-2022 Tencent Cloud. All rights reserved.

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

Parameter APIs
CreateParamTemplate

Last updated：2024-01-30 10:25:46

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to create a parameter template. The common request parameter `Region` can only be set to `ap-guangzhou` .

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateParamTemplate.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
Name	Yes	String	Parameter template name.
Description	No	String	Parameter template description.
EngineVersion	No	String	MySQL version number.
TemplateId	No	Integer	Source parameter template ID.

©2013-2022 Tencent Cloud. All rights reserved.

ParamList.N	No	Array of Parameter	List of parameters.
TemplateType	No	String	Type of the default parameter template. Valid values: `HIGH_STABILITY` (high-stability template), `HIGH_PERFORMANCE` (high-performance template).
EngineType	No	String	Instance engine type. Valid values: `InnoDB` (default), `RocksDB` .

3. Output Parameters

Parameter Name	Type	Description
TemplateId	Integer	Parameter template ID.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a parameter template

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateParamTemplate
<Common request parameters>

{
"TemplateType": "HIGH_STABILITY",
"Name": "test",
"ParamList": [
{
"CurrentValue": "MIXED",
"Name": "binlog_format"
},
{
"CurrentValue": "1",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"Name": "auto_increment_increment"
}
],
"EngineVersion": "5.7"
}
```

Output Example

```
{
"Response": {
"RequestId": "756bb037-a44a-4b4f-abe0-6efd34a6c792",
"TemplateId": 2333
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

©2013-2022 Tencent Cloud. All rights reserved.

AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
CdbError.DatabaseError	Backend database error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.ParamError	Parameter error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InvalidName	Invalid name.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

DeleteParamTemplate

Last updated：2024-01-30 10:25:46

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to delete a parameter template. The common request parameter `Region` can only be set to `ap-guangzhou` .

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteParamTemplate.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
TemplateId	Yes	Integer	Parameter template ID.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a parameter template

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DeleteParamTemplate
&TemplateId=1234
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

©2013-2022 Tencent Cloud. All rights reserved.

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.ParamError	Parameter error
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeInstanceParamRecords

Last updated：2024-01-30 10:25:45

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeInstanceParamRecords.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.
Offset	No	Integer	Pagination offset. Default value: 0.
Limit	No	Integer	Number of entries per page. Default value: 20.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible records.
Items	Array of ParamRecord	Parameter modification records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying instance 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"
}
]
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError.DatabaseError	Backend database error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNameNotFound	The instance is not found.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

DescribeInstanceParams

Last updated：2024-01-30 10:25:44

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeInstanceParams.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	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.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

TotalCount	Integer	Number of instance parameters.
Items	Array of ParameterDetail	Parameter details.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the list of configurable parameters of an instance

This example shows you how to query the list of configurable parameters of an instance.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeInstanceParams
<Common request parameters>

{
"InstanceId": "cdb-ezq1vzem"
}
```

Output Example

```
{
"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": [],
"MinFunc": "",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"MaxFunc": ""
},
{
"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,
"MinFunc": "",
"MaxFunc": ""
},
{
"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 compari
sons are not case sensitive.",
"CurrentValue": "0",
"NeedReboot": 1,
"Max": 1,
"Min": 0,
"EnumValue": [],
"MinFunc": "",
"MaxFunc": ""
}
],
"RequestId": "92131c95-aa65-44db-8c3c-e8cd67883b58"
}
}
```


5. Developer Resources

SDK

©2013-2022 Tencent Cloud. All rights reserved.

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.ParamError	Parameter error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeParamTemplateInfo

Last updated：2024-01-30 10:25:44

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query parameter template details. The common request parameter `Region` can only be set to `ap-guangzhou`.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeParamTemplateInfo.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
TemplateId	Yes	Integer	Parameter template ID.

3. Output Parameters

Parameter Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

TemplateId	Integer	Parameter template ID.
Name	String	Parameter template name.
EngineVersion	String	Database engine version specified in the parameter template
TotalCount	Integer	Number of parameters in the parameter template
Items	Array of ParameterDetail	Parameter details
Description	String	Parameter template description
TemplateType	String	Type of the parameter template. Valid values: `HIGH_STABILITY` (high-stability template), `HIGH_PERFORMANCE` (high-performance template).
EngineType	String	Parameter template engine. Valid values: `InnoDB` , `RocksDB` . Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the details of a parameter template

This example shows you how to query the details of a parameter template.

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeParamTemplateInfo&TemplateId=233&
<common request parameters>
```

Output Example

```
"Response": { "TemplateId": 233, "Name": "st", "EngineVersion": "5.7", "Descripti
on": "test", "TotalCount": 72, "TemplateType": "HIGH_STABILITY", "RequestId": "92
131c95-aa65-44db-8c3c-e8cd67883b58", "EngineType": "InnoDB", "Items": [ { "Curren
tValue": "1", "Default": "1", "Description": "Controls the interval between succe
ssive column values.", "EnumValue": [], "Max": 65535, "MaxFunc": "", "Min": 1, "M
inFunc": "", "Name": "auto_increment_increment", "NeedReboot": 0, "ParamType": "i
nteger" }, { "CurrentValue": "1", "Default": "1", "Description": "Determines the
starting point for the AUTO_INCREMENT column value.", "EnumValue": [], "Max": 655
```

©2013-2022 Tencent Cloud. All rights reserved.

```
35, "MaxFunc": "", "Min": 1, "MinFunc": "", "Name": "auto_increment_offset", "Nee
dReboot": 0, "ParamType": "integer" }, { "CurrentValue": "800", "Default": "{MIN
(DBInitMemory/4+500,1000000)}", "Description": "The maximum permitted number of s
imultaneous client connections.", "EnumValue": [], "Max": 100000, "MaxFunc": "100
000", "Min": 1, "MinFunc": "1", "Name": "max_connections", "NeedReboot": 0, "Para
mType": "func" } ] }}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.ParamError	Parameter error
InvalidParameter	Parameter error.

©2013-2022 Tencent Cloud. All rights reserved.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeParamTemplates

Last updated：2024-01-30 10:25:43

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the parameter template list. The common request parameter `Region` can only be set to `ap-guangzhou`.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeParamTemplates.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
EngineVersions.N	No	Array of String	Engine version. If it is left empty, all parameter templates will be queried.
EngineTypes.N	No	Array of String	Engine type. If it is left empty, all engine types will be queried.
TemplateNames.N	No	Array of String	Template name. If it is left empty, all template names will be queried.
TemplateIds.N	No	Array of	Template ID. If it is left empty, all template IDs will be

©2013-2022 Tencent Cloud. All rights reserved.

		Integer	queried.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of parameter templates of the user.
Items	Array of ParamTemplateInfo	Parameter template details.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying parameter template list

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeParamTemplates
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "756bb037-a44a-4b4f-abe0-6efd34a6c792",
"TotalCount": 1,
"Items": [
{
"TemplateId": 2333,
"Name": "test",
"Description": "test",
"EngineVersion": "5.7"
}
]
}
}
```

©2013-2022 Tencent Cloud. All rights reserved.

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError.DatabaseError	Backend database error.
InternalError.ParamError	Parameter error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.DataConvertError	Data conversion failed.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyInstanceParam

Last updated：2024-01-30 10:25:43

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyInstanceParam.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	List of short instance IDs.
ParamList.N	No	Array of Parameter	List of parameters to be modified. Every element is a combination of `Name` (parameter name) and `CurrentValue` (new value).
TemplateId	No	Integer	Template ID. At least one of `ParamList` and `TemplateId` must be passed in.
WaitSwitch	No	Integer	When to perform the parameter adjustment task. Default value: 0.

©2013-2022 Tencent Cloud. All rights reserved.

			Valid values: 0 - execute immediately, 1 - execute during window. When its value is 1, only one instance ID can be passed in (i.e., only one `InstanceIds` can be passed in).
NotSyncRo	No	Boolean	Whether to sync the parameters to read-only instance of the source instance. Valid values: `true` (not sync), `false` (sync). Default value: `false` .
NotSyncDr	No	Boolean	Whether to sync the parameters to disaster recovery instance of the source instance. Valid values: `true` (not sync), `false` (sync). Default value: `false` .

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID, which can be used to query task progress.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying instance parameters

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyInstanceParam
<Common request parameters>

{
"NotSyncDr": true,
"NotSyncRo": true,
"ParamList": [
{
"CurrentValue": "xx",
"Name": "xx"
}
```

©2013-2022 Tencent Cloud. All rights reserved.

```
],
"TemplateId": 0,
"InstanceIds": [
"cdb-atjl8gns"
],
"WaitSwitch": 0
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"AsyncRequestId": "38265324-dd030463-3d46a793-4a0420b1"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

©2013-2022 Tencent Cloud. All rights reserved.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError.DatabaseError	Backend database error.
CdbError.TaskError	Backend task error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.HttpError	Exceptional HTTP request
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.ParamError	Parameter error
InternalError.TaskFrameError	Async task error.
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
OperationDenied.InstanceTaskStatusError	Abnormal instance task status.
ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyInstancePasswordComplexity

Last updated：2024-01-30 10:25:43

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to modify the password complexity of a TencentDB instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyInstancePasswordComplexity.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	Instance ID list
ParamList.N	No	Array of Parameter	List of parameters to be modified. Every element is a combination of `Name` (parameter name) and `CurrentValue` (new value). Valid values for `Name` of version 8.0: `validate_password.policy` , `validate_password.lengt` , `validate_password.mixed_case_coun` , `validate_password.number_coun` ,

©2013-2022 Tencent Cloud. All rights reserved.

			`validate_password.special_char_count` . Valid values for `Name` of version 5.6 and 5.7: `validate_password_polic` , `validate_password_lengt` `validate_password_mixed_case_coun` , `validate_password_number_coun` , `validate_password_special_char_coun` .

3. Output Parameters

Parameter Name	Type	Description
AsyncRequestId	String	Async task ID, which can be used to query task progress.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the password complexity of a TencentDB instance

Input Example

```
InstanceIds.0=cdb-3gqxxxx&ParamList.0.Name=validate_password.number_count&ParamLi
st.0.CurrentValue=14
```

Output Example

```
{
"Response": {
"AsyncRequestId": "02e874af-e4876fb4-4c672e64-86f17866",
"RequestId": "d5b053f3-d58e-4048-aef9-b8cc9f044951"
}
}
```

5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
AuthFailure.SubAccountDenied	The sub-account has no permissions.
CdbError	Backend or process error.
InternalError.DBOperationError	Database operation failed.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.InternalServiceErrorErr	An error occurred while accessing internal service.
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNotFound	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
ResourceNotFound.InstanceNotFundError	The instance does not exist.
UnsupportedOperation	Unsupported operation.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyParamTemplate

Last updated：2024-01-30 10:25:42

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to modify a parameter template. The common request parameter `Region` can only be set to `ap-guangzhou` .

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyParamTemplate.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
TemplateId	Yes	Integer	Template ID.
Name	No	String	Template name (up to 64 characters)
Description	No	String	Template description (up to 255 characters)
ParamList.N	No	Array of Parameter	List of parameters.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying a parameter template

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyParamTemplate
&TemplateId=11231
&ParamList.0.Name=auto_increment_increment
&ParamList.0.CurrentValue=1
&ParamList.1.Name=binlog_format
&ParamList.1.CurrentValue=MIXED
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "756bb037-a44a-4b4f-abe0-6efd34a6c792"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP

©2013-2022 Tencent Cloud. All rights reserved.

- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError.DatabaseError	Backend database error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.ParamError	Parameter error
InvalidParameter	Parameter error.
InvalidParameter.ResourceExists	The resource already exists.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDefaultParams

Last updated：2024-01-30 10:25:45

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDefaultParams.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
EngineVersion	Yes	String	Engine version. Currently, the supported versions are `5.1` , `5.5` , `5.6` , `5.7` , and `8.0` .
TemplateType	No	String	Type of the default parameter template. Valid values: `HIGH_STABILITY` (high-stability template), `HIGH_PERFORMANCE` (high-performance template).
EngineType	No	String	Parameter template engine. Default value: `InnoDB` .

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of parameters
Items	Array of ParameterDetail	Parameter details.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the list of default configurable parameters

This example shows you how to query the list of default configurable parameters.

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeDefaultParams
&EngineVersion=5.7
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 2,
"RequestId": "92131c95-aa65-44db-8c3c-e8cd67883b58",
"Items": [
{
"CurrentValue": "utf8",
"Default": "LATIN1",
"Description": "Specify default server character set",
"EnumValue": [
"LATIN1",
"UTF8",
"GBK",
"UTF8MB4"
],
"Max": 0,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"MaxFunc": "",
"Min": 0,
"MinFunc": "",
"Name": "character_set_server",
"NeedReboot": 1,
"ParamType": "enum"
},
{
"CurrentValue": "1600",
"Default": "{MIN(DBInitMemory/4+500,1000000)}",
"Description": "The maximum permitted number of simultaneous client connections."
,
"EnumValue": [],
"Max": 100000,
"MaxFunc": "100000",
"Min": 1,
"MinFunc": "1",
"Name": "max_connections",
"NeedReboot": 0,
"ParamType": "func"
}
]
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

©2013-2022 Tencent Cloud. All rights reserved.

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.DatabaseAccessError	Internal database error.
InternalError.ParamError	Parameter error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

Database APIs
CreateDatabase

Last updated：2024-01-30 10:26:23

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to create a database in a TencentDB instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateDatabase.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of `cdb-c1nl9rpv` , which is the same as the one displayed in the TencentDB console.
DBName	Yes	String	
CharacterSetName	Yes	String	Character set. Valid values: `utf8` , `gbk` , `latin1` , `utf8mb4` .

3. Output Parameters

©2013-2022 Tencent Cloud. All rights reserved.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a database

This example shows you how to create a database.

Input Example

```
POST / HTTP/1.1Host: cdb.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: CreateDatabase<Common request parameters>{ "InstanceId": "abc", "DBName": "db_test", "CharacterSetName": "utf8"}
```

Output Example

```
{
"Response": {
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

©2013-2022 Tencent Cloud. All rights reserved.

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.
InternalError.CdbError	System error.
InternalError.DBOperationError	Database operation failed.
InternalError.ExeSqlError	SQL statement error
InternalError.InternalServiceErrorErr	An error occurred while accessing internal service.
InternalError.JSONError	Failed to parse JSON.
InternalError.NetworkError	Network error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
OperationDenied.InstanceStatusError	Exceptional instance status

©2013-2022 Tencent Cloud. All rights reserved.

DescribeDatabases

Last updated：2024-01-30 10:26:22

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the information of databases in a TencentDB instance which must be a source or disaster recovery instance.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDatabases.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Offset	No	Integer	Offset. Minimum value: 0.
Limit	No	Integer	Number of results to be returned for a single request. Value range: 1-100. Maximum value: 20.
DatabaseRegexp	No	String	Regular expression for matching database names.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible instances.
Items	Array of String	Information of an instance.
DatabaseList	Array of DatabasesWithCharacterLists	Database name and character set
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying databases

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDatabases
<Common request parameters>

{
"InstanceId": "cdb-f35wr6wj"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"DatabaseList": [
{
"CharacterSet": "UTF8",
"DatabaseName": "test"
}
],
"TotalCount": 7,
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"Items": [
"information_schema",
"mysql",
"performance_schema",
"test",
"trsf1",
"trsf2",
"trsf3"
]
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
CdbError	Backend or process error.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.CdbError	System error.
InternalError.DBOperationError	Database operation failed.
InternalError.ExeSqlError	SQL statement error
InternalError.InternalServiceErrorErr	An error occurred while accessing internal service.
InternalError.JSONError	Failed to parse JSON.
InternalError.NetworkError	Network error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeTables

Last updated：2024-01-30 10:26:22

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the information of database tables in a TencentDB instance. It only supports source or disaster recovery instances.

A maximum of 40 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTables.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Database	Yes	String	Database name.
Offset	No	Integer	Record offset. Default value: 0.
Limit	No	Integer	Number of results to be returned for a single request. Default value: 20. Maximum value: 2,000.
TableRegexp	No	String	Regular expression for matching table names, which complies with

©2013-2022 Tencent Cloud. All rights reserved.

			the rules at MySQL's official website

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible tables.
Items	Array of String	Information of a table.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying database tables

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeTables
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv",
"Database": "mysql"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 10,
"Items": [
"CHARACTER_SETS",
"COLLATIONS",
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"COLLATION_CHARACTER_SET_APPLICABILITY",
"COLUMNS",
"COLUMN_PRIVILEGES",
"ENGINES",
"EVENTS",
"FILES",
"GLOBAL_STATUS",
"GLOBAL_VARIABLES"
]
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
InternalError.ExeSqlError	SQL statement error

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.JSONError	Failed to parse JSON.
InternalError.NetworkError	Network error
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.

©2013-2022 Tencent Cloud. All rights reserved.

Monitoring APIs
DescribeDeviceMonitorInfo

Last updated：2024-01-30 10:25:47

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.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDeviceMonitorInfo.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
Count	No	Integer	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.

©2013-2022 Tencent Cloud. All rights reserved.

3. Output Parameters

Parameter Name	Type	Description
Cpu	DeviceCpuInfo	CPU monitoring data of the instance
Mem	DeviceMemInfo	Memory monitoring data of the instance
Net	DeviceNetInfo	Network monitoring data of the instance
Disk	DeviceDiskInfo	Disk monitoring data of the instance
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the monitoring information of the physical machine where an instance is deployed

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDeviceMonitorInfo
<Common request parameters>

{
"InstanceId": "cdb-uns231ns",
"Count": "2"
}
```

Output Example

```
{
"Response": {
"Cpu": {
"Load": [
174,
169
],
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"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,
2
]
},
{
"CpuCore": 5,
"Rate": [
4,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
5
]
},
{
"CpuCore": 6,
"Rate": [
7,
5
]
},
{
"CpuCore": 7,
"Rate": [
7,
9
]
},
{
"CpuCore": 8,
"Rate": [
8,
8
]
},
{
"CpuCore": 9,
"Rate": [
6,
4
]
},
{
"CpuCore": 10,
"Rate": [
4,
14
]
},
{
"CpuCore": 11,
"Rate": [
2,
2
]
},
{
"CpuCore": 12,
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Rate": [
6,
3
]
},
{
"CpuCore": 13,
"Rate": [
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
]
},
```


©2013-2022 Tencent Cloud. All rights reserved.

```
{
"CpuCore": 19,
"Rate": [
14,
9
]
},
{
"CpuCore": 20,
"Rate": [
6,
6
]
},
{
"CpuCore": 21,
"Rate": [
5,
5
]
},
{
"CpuCore": 22,
"Rate": [
3,
12
]
},
{
"CpuCore": 23,
"Rate": [
2,
2
]
}
]
},
"Mem": {
"Total": [
65716676,
65716676
],
"Used": [
57163160,
57158148
]
},
```


©2013-2022 Tencent Cloud. All rights reserved.

```
"Net": {
"Conn": [
133,
130
],
"PackageIn": [
960,
960
],
"PackageOut": [],
"FlowIn": [
150,
112
],
"FlowOut": [
1342,
1260
]
},
"Disk": {
"CapacityRatio": [
5433344,
49153024,
0,
40931328,
1024,
40946688,
272384,
40945664,
0,
40945664,
123813888,
195940352,
12439552,
587817984
],
"Read": [
0,
0
],
"Write": [
740,
797
],
"IoRatioPerSec": [
0,
0
```


©2013-2022 Tencent Cloud. All rights reserved.

```
],
"IoWaitTime": [
61,
65
]
},
"RequestId": "85b295bb-8f43-ce01-e35f-5a02e2beeeac"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
CdbError	Backend or process error.
FailedOperation.StatusConflict	Task status conflict.
InternalError.DatabaseAccessError	Internal database error.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.HttpError	Exceptional HTTP request
InternalError.UnknownError	Unknown error
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
OperationDenied	Operation denied.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.FunctionDenied	This instance needs permissions to use this feature.
OperationDenied.InstanceStatusError	Exceptional instance status
ResourceNotFound.InstanceNotFundError	The instance does not exist.

©2013-2022 Tencent Cloud. All rights reserved.

Log-related API DescribeDBInstanceLogToCLS

Last updated：2024-01-30 10:25:49

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

The API DescribeDBInstanceLogToCLS is used to query the configurations of sending slow and error logs of an instance (InstanceId) filtered by AppId and Region to Cloud Log Service (CLS).

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDBInstanceLogToCLS.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.

3. Output Parameters

Parameter	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name		
ErrorLog	LogToCLSConfig	Configurations of sending error logs to CLS. Note: The return value may be null, indicating that no valid data can be obtained.
SlowLog	LogToCLSConfig	Configurations of sending slow logs to CLS. Note: The return value may be null, indicating that no valid data can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Query configurations of sending instance logs to CLS

This API is used to query the configurations of sending slow and error logs to CLS in the Operation Log module.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDBInstanceLogToCLS
<Common request parameters>

{
"InstanceId": "cdb-70zdmgg1"
}
```

Output Example

```
{
"Response": {
"ErrorLog": {
"Status": "ON",
"LogSetId": "test",
"LogTopicId": "test"
},
"SlowLog": {
"Status": "OFF",
"LogSetId": "test",
"LogTopicId": "test"
```

©2013-2022 Tencent Cloud. All rights reserved.

```
},
"RequestId": "8a96c7fec3c747adb83cb0868c0107d5"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.TimeoutError	The query timed out.
InternalError.CauthError	Authentication failed.
InternalError.UnknownError	Unknown error
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameterValue	Invalid parameter value
MissingParameter	Missing parameter

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.OperationDeniedError	Operation denied
OperationDenied.ResourceNotFundError	The resource was not found.

©2013-2022 Tencent Cloud. All rights reserved.

ModifyDBInstanceLogToCLS

Last updated：2024-01-30 10:25:47

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to enable or disable the feature of sending CDB slow and error logs to CLS.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyDBInstanceLogToCLS.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.
LogType	Yes	String	Log type. Valid values: error and slowLog.
Status	Yes	String	Enabling status. Valid values: ON and OFF.
CreateLogset	No	Boolean	Indicates whether a log set needs to be created.
Logset	No	String	Log set name if the log set is to be created or ID of the selected existing log set.

©2013-2022 Tencent Cloud. All rights reserved.

CreateLogTopic	No	Boolean	Indicates whether a log topic needs to be created.
LogTopic	No	String	Log topic name if the topic is to be created or ID of the selected existing topic.
Period	No	Integer	Log topic validity period, which is 30 days by default if not specified.
CreateIndex	No	Boolean	Indicates whether to create an index when creating the log topic.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enable or disable the feature of sending CDB logs to CLS

This API is used to enable or disable the feature of sending slow and error logs of a CDB instance to CLS.

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyDBInstanceLogToCLS
<Common request parameters>

{
"InstanceId": "cdb-ewa3b",
"LogType": "errorLog",
"Status": "ON",
"CreateLogset": true,
"Logset": "sub_fyrtjbqw",
"CreateLogTopic": true,
"LogTopic": "my_test",
"Period": "1",
"CreateIndex": true
}
```

©2013-2022 Tencent Cloud. All rights reserved.

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.UnknownError	Unknown error
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.InvalidParameterError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.JsonUnmarshalError	Failed to deserialize JSON.
MissingParameter.MissingParamError	Required parameters are missing.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeErrorLogData

Last updated：2024-01-30 10:25:48

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the error logs of an instance over the past month by search criteria.
Note: the HTTP response packet will be very large if it contain a single large error log, which causes the API call to time out. If this happens, we recommend you lower the value of the input parameter `Limit` to reduce the packet size so that the API can respond timely.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeErrorLogData.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.
StartTime	Yes	Integer	Start timestamp, such as 1585142640.
EndTime	Yes	Integer	End timestamp, such as 1585142640.
KeyWords.N	No	Array of	List of keywords to match. Up to 15 keywords are supported.

©2013-2022 Tencent Cloud. All rights reserved.

		String	
Limit	No	Integer	The number of results per page in paginated queries. Default value: 100. Maximum value: 400.
Offset	No	Integer	Offset. Default value: 0.
InstType	No	String	This parameter is valid only for source or disaster recovery instances. Valid value: `slave`, which indicates pulling logs from the replica.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible entries.
Items	Array of ErrlogItem	Returned result. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying instance error logs

Input Example

```
POST / HTTP/1.1
Host: cdb.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeErrorLogData
<Common request parameters>

{
"InstanceId": "cdb-c1nl9rpv",
"Limit": "400",
"StartTime": "1585142640",
"Offset": "0",
"KeyWords": [
"keywords0"
],
```

©2013-2022 Tencent Cloud. All rights reserved.

```
"EndTime": "1585142640"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
"TotalCount": 1,
"Items": [
{
"Content": "show master status",
"Timestamp": 1585142640
}
]
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

©2013-2022 Tencent Cloud. All rights reserved.

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.QueryLogError	Log query failed.
FailedOperation.TimeoutError	The query timed out.
InternalError.DBError	Database exception
InternalError.DBOperationError	Database operation failed.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InvalidParameter	Parameter error.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
OperationDenied.ResultOverLimit	The maximum number of results has been reached. Please narrow down your query.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

DescribeSlowLogData

Last updated：2024-01-30 10:25:48

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.

This API is used to query the slow logs of an instance over the past month by search criteria.
Note: the HTTP response packet will be very large if it contain a single large slow log, which causes the API call to time out. If this happens, we recommend you lower the value of the input parameter `Limit` to reduce the packet size so that the API can respond timely.

A maximum of 50 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSlowLogData.
Version	Yes	String	Common Params. The value used for this API: 2017-03-20.
Region	No	String	Common Params. This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.
StartTime	Yes	Integer	Start timestamp, such as 1585142640.
EndTime	Yes	Integer	End timestamp, such as 1585142640.
UserHosts.N	No	Array	Client `Host` list.

©2013-2022 Tencent Cloud. All rights reserved.

		of String	
UserNames.N	No	Array of String	Client username list.
DataBases.N	No	Array of String	Accessed database list.
SortBy	No	String	Sort by field. Valid values: Timestamp, QueryTime, LockTime, RowsExamined, RowsSent.
OrderBy	No	String	Sorting order. Valid values: ASC (ascending), DESC (descending).
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	The number of results per page in paginated queries. Default value: 100. Maximum value: 400.
InstType	No	String	This parameter is valid only for source or disaster recovery instances. Valid value: `slave` , which indicates pulling logs from the replica.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible entries.
Items	Array of SlowLogItem	Queried results. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying instance slow logs by search criteria

©2013-2022 Tencent Cloud. All rights reserved.

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeSlowLogData
&InstanceId=cdb-c1nl9rpv
&StartTime=1585142640
&EndTime=1585142640
&UserNames.0=username0
&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 status111111",
"SqlText": "update order_logistics set logistics_status = 205 where logistics_id
in ( select `logistics_id` from `order_info` where order_no in('15706082880074381
752', '1570608288007438175 1'))",
"Timestamp": 1585142640,
"UserHost": "localhost",
"UserName": "marchzcma"
}
]
}
}
```


5. Developer Resources

©2013-2022 Tencent Cloud. All rights reserved.

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.LogContentOverLimit	
FailedOperation.QueryLogError	Log query failed.
FailedOperation.ResultSetOverLimit	The result set size of queried logs exceeds the limit. Please select a shorter time range.
FailedOperation.TimeoutError	The query timed out.
InternalError.DBError	Database exception
InternalError.DBOperationError	Database operation failed.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InvalidParameter	Parameter error.
InvalidParameter.InvalidParameterError	Invalid parameter value

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
OperationDenied	Operation denied.
OperationDenied.NotSupportBasic	Basic instances do not support this operation (feature).
OperationDenied.ResultOverLimit	The maximum number of results has been reached. Please narrow down your query.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.

©2013-2022 Tencent Cloud. All rights reserved.

Data Types

Last updated：2024-01-30 10:26:39

Account

TencentDB account information

Used by actions: CreateAccounts, DeleteAccounts, ModifyAccountDescription, ModifyAccountMaxUserConnections, ModifyAccountPassword, ModifyAccountPrivileges.

Name	Type	Required	Description
User	String	Yes	New account name
Host	String	Yes	New account domain name

AccountInfo

Account details

Used by actions: DescribeAccounts.

Name	Type	Description
Notes	String	Account remarks
Host	String	Account domain name
User	String	Account name
ModifyTime	Timestamp	Account information modification time
ModifyPasswordTime	Timestamp	Password modification time
CreateTime	Timestamp	This parameter is deprecated.
MaxUserConnections	Integer	The maximum number of instance connections supported by an account

AggregationCondition

©2013-2022 Tencent Cloud. All rights reserved.

Aggregation condition for an audit log

Used by actions: AnalyzeAuditLogs.

Name	Type	Required	Description
AggregationField	String	Yes	Aggregation field. Valid values: `host` (source IP), `user` (username), `dbName` (database name), `sqlType` (SQL type).
Offset	Integer	No	Offset
Limit	Integer	No	Number of buckets returned under this field. Maximum value: `100` .

AuditFilter

Audit rule filters

Used by actions: DescribeAuditRules.

Name	Type	Required	Description
Type	String	Yes	Filter parameter names. Valid values: SrcIp: Client IP; User: Database account; DB: Database name.
Compare	String	Yes	Filter match type. Valid value: `INC` : Include; `EXC` : Exclude; `EQ` : Equal to; `NEQ` : Not equal to.
Value	String	Yes	Filter match value

AuditLog

Audit log details

Used by actions: DescribeAuditLogs.

Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

AffectRows	Integer	Number of affected rows
ErrCode	Integer	The error code
SqlType	String	
PolicyName	String	Audit policy name, which will be unavailable soon.
DBName	String	
Sql	String	
Host	String	Client address
User	String	Username
ExecTime	Integer	Execution time (μs)
Timestamp	String	Time
SentRows	Integer	Number of returned rows
ThreadId	Integer	Thread ID
CheckRows	Integer	Number of scanned rows Note: This field may return null, indicating that no valid values can be obtained.
CpuTime	Float	CPU execution time (μs) Note: This field may return null, indicating that no valid values can be obtained.
IoWaitTime	Integer	IO wait time (μs) Note: This field may return null, indicating that no valid values can be obtained.
LockWaitTime	Integer	Lock wait time (μs) Note: This field may return null, indicating that no valid values can be obtained.
NsTime	Integer	Start time, which forms a time accurate to nanoseconds with `timestamp`. Note: This field may return null, indicating that no valid values can be obtained.
TrxLivingTime	Integer	Transaction duration (μs) Note: This field may return null, indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

TemplateInfo	Array of LogRuleTemplateInfo	Basic information on the rule template hit by the log. Note: The return value may be null, indicating that no valid data can be obtained.

AuditLogAggregationResult

Analysis result of an audit log

Used by actions: AnalyzeAuditLogs.

Name	Type	Description
AggregationField	String	Aggregation dimension Note: This field may return null, indicating that no valid values can be obtained.
Buckets	Array of Bucket	Result set of an aggregation bucket Note: This field may return null, indicating that no valid values can be obtained.

AuditLogFilter

Filter condition for an audit log, which is used by users to filter the returned audit logs when querying them.

Used by actions: AnalyzeAuditLogs.

Name	Type	Required	Description
Host	Array of String	No	Client address
User	Array of String	No	Username
DBName	Array of String	No	
TableName	Array of String	No	Table name

©2013-2022 Tencent Cloud. All rights reserved.

PolicyName	Array of String	No	Audit policy name
Sql	String	No	
SqlType	String	No	
ExecTime	Integer	No	Execution time in ms, which is used to filter the audit log with execution time greater than this value.
AffectRows	Integer	No	Number of affected rows, which is used to filter the audit log with affected rows greater than this value.
SqlTypes	Array of String	No	SQL type (Multiple types can be queried at same time). Valid values: `SELECT` , `INSERT` , `UPDATE` , `DELETE` , `CREATE` , `DROP` , `ALTER` , `SET` , `REPLACE` , `EXECUTE` .
Sqls	Array of String	No	SQL statement. Multiple SQL statements can be passed in.
AffectRowsSection	String	No	Number of rows affected in the format of M-N, such as 10-200.
SentRowsSection	String	No	Number of rows returned in the format of M-N, such as 10-200.
ExecTimeSection	String	No	Execution time in the format of M-N, such as 10-200.
LockWaitTimeSection	String	No	Lock wait time in the format of M-N, such as 10-200.
IoWaitTimeSection	String	No	IO wait time in the format of M-N, such as 10-200.
TransactionLivingTimeSection	String	No	Transaction duration in the format of M-N, such as 10-200.
ThreadId	Array of String	No	Thread ID
SentRows	Integer	No	Number of returned rows, which is used to filter the audit log with affected rows greater than this value.
ErrCode	Array of Integer	No	MySQL error codes

©2013-2022 Tencent Cloud. All rights reserved.

AuditPolicy

Audit Policy

Used by actions: DescribeAuditPolicies.

Name	Type	Description
PolicyId	String	Audit policy ID.
Status	String	Audit policy status. Valid values: `creating` ; `running` , `paused` ; `failed` .
InstanceId	String	Database instance ID
CreateTime	String	Creation time of audit policy in the format of 2019-03-20 17:09:13
ModifyTime	String	Last modified time of audit policy in the format of 2019-03-20 17:09:13
PolicyName	String	Audit policy name
RuleId	String	Audit rule ID
RuleName	String	Audit rule name Note: This field may return `null` , indicating that no valid value was found.
InstanceName	String	Database instance name Note: This field may return `null` , indicating that no valid value was found.

AuditRule

Audit rule

Used by actions: DescribeAuditRules.

Name	Type	Description
RuleId	String	Audit rule ID
CreateTime	String	Creation time of audit rule in the format of 2019-03-20 17:09:13

©2013-2022 Tencent Cloud. All rights reserved.

ModifyTime	String	Last modified time of audit rule in the format of 2019-03-20 17:09:13
RuleName	String	Audit rule name Note: This field may return `null` , indicating that no valid value was found.
Description	String	Audit rule description Note: This field may return `null` , indicating that no valid value was found.
RuleFilters	Array of AuditFilter	Audit rule filters Note: This field may return `null` , indicating that no valid value was found.
AuditAll	Boolean	Whether to enable full audit

AuditRuleFilters

Filter of rule audit

Used by actions: OpenAuditService.

Name	Type	Required	Description
RuleFilters	Array of RuleFilters	No	Audit rule Note: This field may return null, indicating that no valid values can be obtained.

AutoStrategy

Automatic scale-out policy for elastic CPU scale-out.

Used by actions: StartCpuExpand.

Name	Type	Required	Description
ExpandThreshold	Integer	Yes	CPU utilization threshold (percent value). Valid values: 70, 80, and 90. Automatic scale-out will be triggered when CPU utilization reaches the set threshold.
ExpandPeriod	Integer	Yes	Interval, in seconds. Valid values: 1, 3, 5, 10, 15, and 30. The system backend determines whether automatic scale-out is required at the set interval.

©2013-2022 Tencent Cloud. All rights reserved.

ShrinkThreshold	Integer	Yes	CPU utilization threshold (percent value). Valid values: 10, 20, and 30. Automatic scale-in will be triggered when CPU utilization reaches the set threshold.
ShrinkPeriod	Integer	Yes	Interval, in seconds. Valid values: 5, 10, 15, and 30. The system backend determines whether automatic scale-in is required at the set interval.

BackupConfig

Configuration information of ECDB secondary database 2. This field is only applicable to ECDB instances

Used by actions: DescribeDBInstanceConfig.

Name	Type	Description
ReplicationMode	String	Replication mode of secondary database 2. Value range: async, semi-sync
Zone	String	Name of the AZ of secondary database 2, such as ap-shanghai-1
Vip	String	Private IP address of secondary database 2
Vport	Integer	Access port of secondary database 2

BackupInfo

Backup details

Used by actions: DescribeBackups.

Name	Type	Description
Name	String	Backup filename
Size	Integer	Backup file size in bytes
Date	String	Backup snapshot time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-03-17 02:10:37
IntranetUrl	String	Download address
InternetUrl	String	Download address

©2013-2022 Tencent Cloud. All rights reserved.

Type	String	Log type. Valid values: `logical` (logical cold backup), `physical` (physical cold backup).
BackupId	Integer	Backup subtask ID, which is used when backup files are deleted
Status	String	Backup task status. Valid values: `SUCCESS` (backup succeeded), `FAILED` (backup failed), `RUNNING` (backup is in progress).
FinishTime	String	Backup task completion time
Creator	String	(This field will be disused and is thus not recommended) backup creator. Valid values: `SYSTEM` (created by system), `Uin` (initiator's `Uin` value).
StartTime	String	Backup task start time
Method	String	Backup method. Valid values: `full` (full backup), `partial` (partial backup).
Way	String	Backup mode. Valid values: `manual` (manual backup), `automatic` (automatic backup).
ManualBackupName	String	Manual backup alias
SaveMode	String	Backup retention type. Valid values: `save_mode_regular` (non-archive backup), save_mode_period`(archive backup).
Region	String	The region where local backup resides
RemoteInfo	Array of RemoteBackupInfo	Detailed information of remote backups
CosStorageType	Integer	Storage method. Valid values: `0` (regular storage), `1` (archive storage). Default value: `0` .
InstanceId	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.
EncryptionFlag	String	Whether the backup file is encrypted. Valid values: `on` (encrypted), `off` (unencrypted). Note: This field may return null, indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

BackupItem

When creating a backup, you need to specify the information of the table to be backed up.

Used by actions: CreateBackup.

Name	Type	Required	Description
Db	String	Yes	Name of the database to be backed up
Table	String	No	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.

BackupLimitVpcItem

VPCs used to restrict backup download

Used by actions: DescribeBackupDownloadRestriction, ModifyBackupDownloadRestriction.

Name	Type	Required	Description
Region	String	Yes	The region where the backup download restrictions take effect. It must be the same as the common request parameter `Region` of the API.
VpcList	Array of String	Yes	The list of VPCs used to restrict backup download

BackupSummaryItem

Statistical items of instance backup

Used by actions: DescribeBackupSummaries.

Name	Type	Description
InstanceId	String	Instance ID.
AutoBackupCount	Integer	Number of automatic data backups of an instance.
AutoBackupVolume	Integer	Capacity of automatic data backups of an instance.

©2013-2022 Tencent Cloud. All rights reserved.

ManualBackupCount	Integer	Number of manual data backups of an instance.
ManualBackupVolume	Integer	Capacity of manual data backups of an instance.
DataBackupCount	Integer	Total number of data backups of an instance (including automatic backups and manual backups).
DataBackupVolume	Integer	Total capacity of data backups of an instance.
BinlogBackupCount	Integer	Number of log backups of an instance.
BinlogBackupVolume	Integer	Capacity of log backups of an instance.
BackupVolume	Integer	Total capacity of backups of an instance (including data backups and log backups).

BinlogInfo

Binlog information

Used by actions: DescribeBinlogs.

Name	Type	Description
Name	String	Binlog backup filename
Size	Integer	Backup file size in bytes
Date	Timestamp	File stored time in the format of 2016-03-17 02:10:37
IntranetUrl	String	Download address
InternetUrl	String	Download address
Type	String	Log type. Value range: binlog
BinlogStartTime	String	Binlog file start file
BinlogFinishTime	String	Binlog file end time
Region	String	The region where the binlog file resides
Status	String	Backup task status. Valid values: `SUCCESS` (backup succeeded), `FAILED` (backup failed), `RUNNING` (backup is in progress).
RemoteInfo	Array of	The detailed information of remote binlog backups

©2013-2022 Tencent Cloud. All rights reserved.

	RemoteBackupInfo	
CosStorageType	Integer	Storage method. Valid values: `0` (regular storage), `1` (archive storage). Default value: `0` .
InstanceId	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed in the TencentDB console.

Bucket

Information of an aggregation bucket

Used by actions: AnalyzeAuditLogs.

Name	Type	Description
Key	String	None Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	Number of occurrences of the key value

CdbRegionSellConf

The purchasable configuration in a region

Used by actions: DescribeCdbZoneConfig.

Name	Type	Description
RegionName	String	Region name
Area	String	Area
IsDefaultRegion	Integer	Whether it is a default region
Region	String	Region name
RegionConfig	Array of CdbZoneSellConf	The purchasable configuration in an AZ in a region

CdbSellConfig

©2013-2022 Tencent Cloud. All rights reserved.

The details of purchasable configuration

Used by actions: DescribeCdbZoneConfig.

Name	Type	Description
Memory	Integer	Memory size in MB
Cpu	Integer	CPU core count
VolumeMin	Integer	Minimum disk size in GB
VolumeMax	Integer	Maximum disk size in GB
VolumeStep	Integer	Disk capacity increment in GB
Iops	Integer	IO operations per second
Info	String	Application scenario description
Status	Integer	Status. The value `0` indicates that this specification is available.
DeviceType	String	Instance type. Valid values: `UNIVERSAL` (general instance), `EXCLUSIVE` (dedicated instance), `BASIC` (basic instance), `BASIC_V2` (basic v2 instance). Note: This field may return null, indicating that no valid values can be obtained.
EngineType	String	Engine type description. Valid values: `Innodb` , `RocksDB` .
Id	Integer	Purchasable specifications ID

CdbSellType

Purchasable instance type

Used by actions: DescribeCdbZoneConfig.

Name	Type	Description
TypeName	String	Name of the purchasable instance. Valid values: `Z3` (High-availability instance. `DeviceType` : `UNIVERSAL` , `EXCLUSIVE` ; `CVM` (basic instance. `DeviceType` : `BASIC`); `TKE` (basic v2 instance. `DeviceType` : `BASIC_V2`).
EngineVersion	Array of String	Engine version number

©2013-2022 Tencent Cloud. All rights reserved.

ConfigIds	Array of Integer	Purchasable specifications ID

CdbZoneDataResult

The purchasable specifications in a region

Used by actions: DescribeCdbZoneConfig.

Name	Type	Description
Configs	Array of CdbSellConfig	List of purchasable specifications
Regions	Array of CdbRegionSellConf	List of AZs in purchasable regions

CdbZoneSellConf

Purchasable specifications in an AZ

Used by actions: DescribeCdbZoneConfig.

Name	Type	Description
Status	Integer	AZ status, which is used to indicate whether instances are purchasable. Valid values: `1` (purchasable), `3` (not purchasable), `4` (AZ not displayed)
ZoneName	String	AZ name
IsCustom	Boolean	Whether it is a custom instance type
IsSupportDr	Boolean	Whether disaster recovery is supported
IsSupportVpc	Boolean	Whether VPC is supported
HourInstanceSaleMaxNum	Integer	Maximum purchasable quantity of hourly billed instances
IsDefaultZone	Boolean	Whether it is a default AZ
IsBm	Boolean	Whether it is a BM zone
PayType	Array of String	Supported billing method. Valid values: `0` (monthly

©2013-2022 Tencent Cloud. All rights reserved.

		subscribed), `1` (hourly billed), `2` (pay-as-you-go)
ProtectMode	Array of String	Data replication type. Valid values: `0` (async), `1` (semi-sync), `2` (strong sync)
Zone	String	AZ name
ZoneConf	ZoneConf	Multi-AZ information
DrZone	Array of String	Information of supported disaster recovery AZs
IsSupportRemoteRo	Boolean	Whether cross-AZ read-only access is supported
RemoteRoZone	Array of String	Information of supported cross-AZ read-only zone
ExClusterStatus	Integer	AZ status, which is used to indicate whether dedicated instances are purchasable. Valid values: `1` `(purchasable),` 3 `(not purchasable),` 4` (AZ not displayed)
ExClusterRemoteRoZone	Array of String	Information of cross-AZ read-only zones supported by a dedicated instance
ExClusterZoneConf	ZoneConf	AZ information of a multi-AZ deployed dedicated instance.
SellType	Array of CdbSellType	Array of purchasable instance types. The value of `configIds` and `configs` have a one-to-one correspondence.
ZoneId	Integer	AZ ID
IsSupportIpv6	Boolean	Whether IPv6 is supported
EngineType	Array of String	Supported engine types for purchasable database

CloneItem

Clone task information.

Used by actions: DescribeCloneList.

Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

SrcInstanceId	String	ID of the original instance in a clone task
DstInstanceId	String	ID of the cloned instance in a clone task
CloneJobId	Integer	Clone task ID
RollbackStrategy	String	The policy used in a clone task. Valid values: `timepoint` (roll back to a specific point in time), `backupset` (roll back by using a specific backup file).
RollbackTargetTime	String	The point in time to which the cloned instance will be rolled back
StartTime	String	Task start time
EndTime	String	Task end time
TaskStatus	String	Task status. Valid values: `initial`, `running`, `wait_complete`, `success`, `failed`.
NewRegionId	Integer	Clone instance region ID
SrcRegionId	Integer	Source instance region ID

ColumnPrivilege

Column permission information

Used by actions: DescribeAccountPrivileges, ModifyAccountPrivileges.

Name	Type	Required	Description
Database	String	Yes	Database name
Table	String	Yes	Table name
Column	String	Yes	Column name
Privileges	Array of String	Yes	Permission information

CommonTimeWindow

Common time window

Used by actions: DescribeBackupConfig, ModifyBackupConfig.

©2013-2022 Tencent Cloud. All rights reserved.

Name	Type	Required	Description
Monday	String	No	Time window on Monday in the format of 02:00-06:00
Tuesday	String	No	Time window on Tuesday in the format of 02:00-06:00
Wednesday	String	No	Time window on Wednesday in the format of 02:00-06:00
Thursday	String	No	Time window on Thursday in the format of 02:00-06:00
Friday	String	No	Time window on Friday in the format of 02:00-06:00
Saturday	String	No	Time window on Saturday in the format of 02:00-06:00
Sunday	String	No	Time window on Sunday in the format of 02:00-06:00
BackupPeriodStrategy	String	No	Non-archive backup retention policy. Valid values: `weekly` (back up by week), monthly (back up by month), default value: `weekly` .
Days	Array of Integer	No	If `BackupPeriodStrategy` is `monthly` , you need to pass in the specific backup dates. The time interval between any two adjacent dates cannot exceed 2 days, for example, [1,4,7,9,11,14,17,19,22,25,28,30,31].
BackupPeriodTime	String	No	Backup time by month in the format of 02:00–06:00, which is required when `BackupPeriodStrategy` is `monthly` .

CustomConfig

Proxy configuration

Used by actions: DescribeProxyCustomConf.

Name	Type	Description
Device	String	Device Note: this field may return `null` , indicating that no valid value can be found.
Type	String	Type Note: this field may return `null` , indicating that no valid value can be found.
DeviceType	String	Device type Note: this field may return `null` , indicating that no valid value can be found.

©2013-2022 Tencent Cloud. All rights reserved.

Memory	Integer	Memory Note: this field may return `null` , indicating that no valid value can be found.
Cpu	Integer	Number of CPU cores Note: this field may return `null` , indicating that no valid value can be found.

DBSwitchInfo

TencentDB instance switch records

Used by actions: DescribeDBSwitchRecords.

Name	Type	Description
SwitchTime	Timestamp	Switch time in the format of yyyy-MM-dd HH:mm:ss, such as 2017-09-03 01:34:31
SwitchType	String	Switch type. Value range: TRANSFER (data migration), MASTER2SLAVE (primary/secondary switch), RECOVERY (primary/secondary recovery)

DatabasePrivilege

Database permission

Used by actions: DescribeAccountPrivileges, ModifyAccountPrivileges.

Name	Type	Required	Description
Privileges	Array of String	Yes	Permission information
Database	String	Yes	Database name

DatabasesWithCharacterLists

Database name and character set

Used by actions: DescribeDatabases.

Name	Type	Description
DatabaseName	String	Database name

©2013-2022 Tencent Cloud. All rights reserved.

CharacterSet	String	Character set

DeviceCpuInfo

CPU load

Used by actions: DescribeDeviceMonitorInfo.

Name	Type	Description
Rate	Array of DeviceCpuRateInfo	Average instance CPU utilization
Load	Array of Integer	CPU monitoring data of the instance

DeviceCpuRateInfo

Average instance CPU utilization

Used by actions: DescribeDeviceMonitorInfo.

Name	Type	Description
CpuCore	Integer	CPU core number
Rate	Array of Integer	CPU utilization

DeviceDiskInfo

Disk monitoring data of the instance

Used by actions: DescribeDeviceMonitorInfo.

Name	Type	Description
IoRatioPerSec	Array of Integer	Time percentage of IO operations per second
IoWaitTime	Array of Integer	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.

©2013-2022 Tencent Cloud. All rights reserved.

Read	Array of Integer	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.
Write	Array of Integer	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.
CapacityRatio	Array of Integer	Disk capacity. Each value is comprised of two data, with the first data representing the used capacity and the second one representing the total disk capacity.

DeviceMemInfo

Memory monitoring information of the physical server where the instance is located

Used by actions: DescribeDeviceMonitorInfo.

Name	Type	Description
Total	Array of Integer	Total memory size in KB, which is the value of `total` in the `Mem:` in the `free` command
Used	Array of Integer	Used memory size in KB, which is the value of `used` in the `Mem:` row in the `free` command

DeviceNetInfo

Network monitoring information of the physical server where the instance is located

Used by actions: DescribeDeviceMonitorInfo.

Name	Type	Description
Conn	Array of Integer	Number of TCP connections
PackageIn	Array of Integer	ENI inbound packets per second
PackageOut	Array of Integer	ENI outbound packets per second
FlowIn	Array of Integer	Inbound traffic in Kbps
FlowOut	Array of Integer	Outbound traffic in Kbps

©2013-2022 Tencent Cloud. All rights reserved.

DrInfo

Disaster recovery instance information

Used by actions: DescribeDBInstances.

Name	Type	Description
Status	Integer	Disaster recovery instance status
Zone	String	AZ information
InstanceId	String	Instance ID
Region	String	Region information
SyncStatus	Integer	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;
InstanceName	String	Instance name
InstanceType	Integer	Instance type

ErrlogItem

Structured error log details

Used by actions: DescribeErrorLogData.

Name	Type	Description
Timestamp	Integer	Error occurrence time. Note: this field may return null, indicating that no valid values can be obtained.
Content	String	Error details Note: this field may return null, indicating that no valid values can be obtained.

ImportRecord

©2013-2022 Tencent Cloud. All rights reserved.

Import task records

Used by actions: DescribeDBImportRecords.

Name	Type	Description
Status	Integer	Status value
Code	Integer	Status value
CostTime	Integer	Execution duration
InstanceId	String	Instance ID
WorkId	String	Backend task ID
FileName	String	Name of the file to be imported
Process	Integer	Execution progress
CreateTime	Timestamp	Task creation time
FileSize	String	File size
Message	String	Task execution information
JobId	Integer	Task ID
DbName	String	Name of the table to be imported
AsyncRequestId	String	Async task request ID

Inbound

Security group inbound rule

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

Name	Type	Description
Action	String	Policy, which can be ACCEPT or DROP
CidrIp	String	Source IP or IP range, such as 192.168.0.0/16
PortRange	String	Port
IpProtocol	String	Network protocol. UDP and TCP are supported.

©2013-2022 Tencent Cloud. All rights reserved.

Dir	String	The direction of the rule, which is INPUT for inbound rules
AddressModule	String	Address module
Desc	String	Rule description

InstanceAuditLogFilters

Search filter for audit log

Used by actions: AnalyzeAuditLogs, DescribeAuditLogs.

Name	Type	Required	Description
Type	String	No	Filter condition. The search conditions are supported as follows: Include/Exclude, and Include/Exclude (segment dimension) can be used to search for: `sql` - SQL details. `Equal to`, `Not equal to`, `Include`, and `Exclude` can be used to search for: `host` - Client IP, `user` - Username, `DBName` - Database name. `Equal to` and `Not equal to` can be used to search for: `sqlType` - SQL type, `errCode` - Error code, `threadId` - Thread ID. Range search is supported for: `execTime` - Execution time (μs), `lockWaitTime` - Lock wait time (μs), `ioWaitTime` - IO wait time (μs), `trxLivingTime` - Transaction duration (μs), `cpuTime` - CPU time (μs), `checkRows` - Number of scanned rows, `affectRows` - Number of affected rows, `sentRows` - Number of returned rows.
Compare	String	No	Filter. Valid values: `WINC` - Include (segment dimension)

©2013-2022 Tencent Cloud. All rights reserved.

			`WEXC` - Exclude (segment dimension) `INC` - Include, `EXC` - Exclude, `EQS` - Equal to, `NEQ` - Not equal to. `RA` - Range
Value	Array of String	No	The filter value. In a reverse query, multiple values are in an "AND" relationship; while in a forward query, multiple values are in an "OR" relationship.

InstanceInfo

Instance details

Used by actions: DescribeDBInstances.

Name	Type	Description
WanStatus	Integer	Public network access status. Value range: 0 (not enabled), 1 (enabled), 2 (disabled)
Zone	String	AZ information
InitFlag	Integer	Initialization flag. Value range: 0 (not initialized), 1 (initialized)
RoVipInfo	RoVipInfo	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.
Memory	Integer	Memory capacity in MB
Status	Integer	Instance status. Valid values: `0` (creating), `1` (running), `4` (isolating), `5` (isolated).
VpcId	Integer	VPC ID, such as 51102
SlaveInfo	SlaveInfo	Information of a secondary server Note: This field may return null, indicating that no valid values can be obtained.
InstanceId	String	Instance ID
Volume	Integer	Disk capacity in GB

©2013-2022 Tencent Cloud. All rights reserved.

AutoRenew	Integer	Auto-renewal flag. Value range: 0 (auto-renewal not enabled), 1 (auto-renewal enabled), 2 (auto-renewal disabled)
ProtectMode	Integer	Data replication mode. Valid values: 0 (async), 1 (semi-sync), 2 (strong sync)
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 (primary), 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 secondary; 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 primary instance Note: This field may return null, indicating that no valid values can be obtained.
DeviceType	String	Instance type
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

©2013-2022 Tencent Cloud. All rights reserved.

CreateTime	String	Instance creation time
Vip	String	Instance IP
Vport	Integer	Port number
CdbError	Integer	Whether the disk write is locked (It depends on whether the instance data in disk exceeds its quota). Valid values: `0` (unlocked), `1` (locked).
UniqVpcId	String	VPC descriptor, such as "vpc-5v8wn9mg"
UniqSubnetId	String	Subnet descriptor, such as "subnet-1typ0s7d"
PhysicalId	String	Physical ID
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.
InstanceNodes	Integer	Number of nodes
TagList	Array of TagInfoItem	List of tags Note: this field may return `null`, indicating that no valid values can be obtained.
EngineType	String	Engine type Note: This field may return null, indicating that no valid values can be obtained.
MaxDelayTime	Integer	Maximum delay threshold Note: This field may return null, indicating that no valid values can be obtained.
DiskType	String	Instance disk type, which is returned only for the instances of cloud disk

©2013-2022 Tencent Cloud. All rights reserved.

		edition. Valid values: `CLOUD_SSD` (SSD), `CLOUD_HSSD` (Enhanced SSD).

InstanceRebootTime

Estimated time of instance restart

Used by actions: DescribeDBInstanceRebootTime.

Name	Type	Description
InstanceId	String	Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.
TimeInSeconds	Integer	Estimated restart time

InstanceRollbackRangeTime

Time range available for instance rollback

Used by actions: DescribeRollbackRangeTime.

Name	Type	Description
Code	Integer	Queries database error code
Message	String	Queries database error message
InstanceId	String	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.
Times	Array of RollbackTimeRange	Time range available for rollback

LocalBinlogConfig

Retention policy of local binlog

Used by actions: DescribeLocalBinlogConfig.

©2013-2022 Tencent Cloud. All rights reserved.

Name	Type	Description
SaveHours	Integer	Retention period of local binlog. Value range: [72,168].
MaxUsage	Integer	Space utilization of local binlog. Value range: [30,50].

LocalBinlogConfigDefault

Default retention policy of local binlog.

Used by actions: DescribeLocalBinlogConfig.

Name	Type	Description
SaveHours	Integer	Retention period of local binlog. Value range: [72,168].
MaxUsage	Integer	Space utilization of local binlog. Value range: [30,50].

LogRuleTemplateInfo

Basic information on the rule template hit by the audit log.

Used by actions: DescribeAuditLogs.

Name	Type	Description
RuleTemplateId	String	Template ID. Note: The return value may be null, indicating that no valid data can be obtained.
RuleTemplateName	String	Template name. Note: The return value may be null, indicating that no valid data can be obtained.
AlarmLevel	String	Alarm level. Valid values: 1: Low risk; 2: Medium risk; 3: High risk. Note: The return value may be null, indicating that no valid data can be obtained.
RuleTemplateStatus	Integer	Template change status. Valid values: 0: Unchanged; 1: Changed; 2: Deleted. Note: The return value may be null, indicating that no valid data can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

LogToCLSConfig

Configurations of sending slow and error logs of a CDB instance to CLS.

Used by actions: DescribeDBInstanceLogToCLS.

Name	Type	Description
Status	String	Enabling status of the feature. Note: The return value may be null, indicating that no valid data can be obtained.
LogSetId	String	CLS log set ID. Note: The return value may be null, indicating that no valid data can be obtained.
LogTopicId	String	Log topic ID. Note: The return value may be null, indicating that no valid data can be obtained.

MasterInfo

Master instance information

Used by actions: DescribeDBInstances.

Name	Type	Description
Region	String	Region information
RegionId	Integer	Region ID
ZoneId	Integer	AZ ID
Zone	String	AZ information
InstanceId	String	Instance ID
ResourceId	String	Long instance ID
Status	Integer	Instance status
InstanceName	String	Instance name
InstanceType	Integer	Instance type
TaskStatus	Integer	Task status
Memory	Integer	Memory capacity

©2013-2022 Tencent Cloud. All rights reserved.

Volume	Integer	Disk capacity
DeviceType	String	Instance model
Qps	Integer	Queries per second
VpcId	Integer	VPC ID
SubnetId	Integer	Subnet ID
ExClusterId	String	Dedicated cluster ID
ExClusterName	String	Dedicated cluster name

Outbound

Security group outbound rule

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

Name	Type	Description
Action	String	Policy, which can be ACCEPT or DROP
CidrIp	String	Destination IP or IP range, such as 172.16.0.0/12
PortRange	String	Port or port range
IpProtocol	String	Network protocol. UDP and TCP are supported
Dir	String	The direction of the rule, which is OUTPUT for inbound rules
AddressModule	String	Address module
Desc	String	Rule description

ParamInfo

Instance parameter information

Used by actions: CreateDBInstance, CreateDBInstanceHour, InitDBInstances.

Name	Type	Required	Description

©2013-2022 Tencent Cloud. All rights reserved.

Name	String	Yes	Parameter name
Value	String	Yes	Parameter value

ParamRecord

Parameter modification records

Used by actions: DescribeInstanceParamRecords.

Name	Type	Description
InstanceId	String	Instance ID
ParamName	String	Parameter name
OldValue	String	Parameter value before modification
NewValue	String	Parameter value after modification
ModifyTime	String	Modification time
IsSuccess	Boolean	Indicates whether the parameter is modified successfully.

ParamTemplateInfo

Parameter template information

Used by actions: DescribeParamTemplates.

Name	Type	Description
TemplateId	Integer	Parameter template ID
Name	String	Parameter template name
Description	String	Parameter template description
EngineVersion	String	Instance engine version
TemplateType	String	Parameter template type
EngineType	String	Parameter template engine Note: This field may return null, indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

Parameter

Database instance parameter

Used by actions: CreateParamTemplate, ModifyInstanceParam, ModifyInstancePasswordComplexity, ModifyParamTemplate.

Name	Type	Required	Description
Name	String	Yes	Parameter name
CurrentValue	String	Yes	Parameter value

ParameterDetail

Instance parameter details

Used by actions: DescribeDefaultParams, DescribeInstanceParams, DescribeParamTemplateInfo.

Name	Type	Description
Name	String	Parameter name
ParamType	String	Parameter type. Valid values: `integer` , `enum` , `float` , `string` , `func`
Default	String	Default value of the parameter
Description	String	Parameter description
CurrentValue	String	Current value of the parameter
NeedReboot	Integer	Whether the database needs to be restarted for the modified parameter to take effect. Value range: 0 (no); 1 (yes)
Max	Integer	Maximum value of the parameter
Min	Integer	Minimum value of the parameter
EnumValue	Array of String	Enumerated values of the parameter. It is null if the parameter is non-enumerated
MaxFunc	String	Maximum parameter value, which is valid only when `ParamType` is set to `func`

©2013-2022 Tencent Cloud. All rights reserved.

MinFunc	String	Minimum parameter value, which is valid only when `ParamType` is set to `func`
IsNotSupportEdit	Boolean	Whether the parameter can be modified Note: This field may return null, indicating that no valid values can be obtained.

ProxyAddress

Information of the database proxy address

Used by actions: DescribeCdbProxyInfo.

Name	Type	Description
ProxyAddressId	String	Address ID of the proxy group
UniqVpcId	String	VPC ID
UniqSubnetId	String	VPC subnet ID
Vip	String	IP address
VPort	Integer	Port
WeightMode	String	Assignment mode of weights. Valid values: `system` (auto-assigned), `custom` . Note: This field may return null, indicating that no valid values can be obtained.
IsKickOut	Boolean	Whether to remove delayed read-only instances from the proxy group Valid values: `true` , `false` . Note: This field may return null, indicating that no valid values can be obtained.
MinCount	Integer	Least read-only instances. Minimum value: `0` . Note: This field may return null, indicating that no valid values can be obtained.
MaxDelay	Integer	The delay threshold. Minimum value: `0` . Note: This field may return null, indicating that no valid values can be obtained.
AutoAddRo	Boolean	Whether to automatically add newly created read-only instances. Valid values: `true` , `false` . Note: This field may return null, indicating that no valid values can be obtained.
ReadOnly	Boolean	Whether it is read-only. Valid values: `true` , `false` . Note: This field may return null, indicating that no valid values can be obtained.
TransSplit	Boolean	Whether to enable transaction splitting Note: This field may return null,

©2013-2022 Tencent Cloud. All rights reserved.

		indicating that no valid values can be obtained.
FailOver	Boolean	Whether to enable failover Note: This field may return null, indicating that no valid values can be obtained.
ConnectionPool	Boolean	Whether to enable the connection pool Note: This field may return null, indicating that no valid values can be obtained.
Desc	String	Note: This field may return null, indicating that no valid values can be obtained.
ProxyAllocation	Array of ProxyAllocation	Read weight assignment for an instance Note: This field may return null, indicating that no valid values can be obtained.

ProxyAllocation

Weight allocation for a proxy node

Used by actions: AdjustCdbProxyAddress, CreateCdbProxyAddress, DescribeCdbProxyInfo.

Name	Type	Required	Description
Region	String	Yes	Proxy node region
Zone	String	Yes	AZ of proxy node region
ProxyInstance	Array of ProxyInst	Yes	Proxy instance allocation

ProxyGroupInfo

Details of proxy group

Used by actions: DescribeCdbProxyInfo.

Name	Type	Description
ProxyGroupId	String	Proxy group ID
ProxyVersion	String	Proxy version Note: This field may return null, indicating that no valid values can be obtained.
SupportUpgradeProxyVersion	String	Supported proxy upgrade version Note: This field may return null, indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

Status	String	Proxy status Note: This field may return null, indicating that no valid values can be obtained.
TaskStatus	String	Proxy task status Note: This field may return null, indicating that no valid values can be obtained.
ProxyNode	Array of ProxyNode	Node information of the proxy group Note: This field may return null, indicating that no valid values can be obtained.
ProxyAddress	Array of ProxyAddress	Address information of the proxy group Note: This field may return null, indicating that no valid values can be obtained.
ConnectionPoolLimit	Integer	Connection pool threshold Note: This field may return null, indicating that no valid values can be obtained.
SupportCreateProxyAddress	Boolean	Whether to support address creation Note: This field may return null, indicating that no valid values can be obtained.
SupportUpgradeProxyMysqlVersion	String	TencentDB versions supporting proxy versions upgrade Note: This field may return null, indicating that no valid values can be obtained.

ProxyInst

Proxy instance

Used by actions: AdjustCdbProxyAddress, CreateCdbProxyAddress.

Name	Type	Required	Description
InstanceId	String	No	Instance ID Note: This field may return null, indicating that no valid values can be obtained.
InstanceName	String	No	Instance name Note: This field may return null, indicating that no valid values can be obtained.
InstanceType	Integer	No	Instance type. Valid values: `master` (source instance), `ro` (read-only instance), `dr` (disaster recovery instance), `sdr` (disaster recovery instance of small specifications). Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Instance status. Valid values: `0` (creating), `1` (running), `4`

©2013-2022 Tencent Cloud. All rights reserved.

			(isolating), `5` (isolated). Note: This field may return null, indicating that no valid values can be obtained.
Weight	Integer	No	Read weight. If it is assigned by the system automatically, the modification will not take effect but represents whether the instance is enabled. Note: This field may return null, indicating that no valid values can be obtained.
Region	String	No	Instance region Note: This field may return null, indicating that no valid values can be obtained.
Zone	String	No	Instance AZ Note: This field may return null, indicating that no valid values can be obtained.

ProxyNode

Proxy node

Used by actions: DescribeCdbProxyInfo.

Name	Type	Description
ProxyId	String	Proxy node ID Note: This field may return null, indicating that no valid values can be obtained.
Cpu	Integer	Number of CPU cores Note: This field may return null, indicating that no valid values can be obtained.
Mem	Integer	Memory size Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Node status Note: This field may return null, indicating that no valid values can be obtained.
Zone	String	Proxy node AZ Note: This field may return null, indicating that no valid values can be obtained.
Region	String	Proxy node region Note: This field may return null, indicating that no valid values can be obtained.
Connection	Integer	Connections Note: This field may return null, indicating that no valid values can be obtained.

ProxyNodeCustom

©2013-2022 Tencent Cloud. All rights reserved.

The specification configuration of a node

Used by actions: AdjustCdbProxy, CreateCdbProxy.

Name	Type	Required	Description
NodeCount	Integer	Yes	Number of nodes
Cpu	Integer	Yes	Number of CPU cores
Mem	Integer	Yes	Memory size
Region	String	Yes	Region
Zone	String	Yes	AZ

ReleaseResult

Deisolation task result

Used by actions: ReleaseIsolatedDBInstances.

Name	Type	Description
InstanceId	String	Instance ID.
Code	Integer	Result value of instance deisolation. A returned value of 0 indicates success.
Message	String	Error message for instance deisolation.

RemoteBackupInfo

Information of the remote backup

Used by actions: DescribeBackups, DescribeBinlogs.

Name	Type	Description
SubBackupId	Integer	ID of the remote backup subtask
Region	String	The region where the remote backup resides
Status	String	Backup task status. Valid values: `SUCCESS` (backup succeeded), `FAILED` (backup failed), `RUNNING` (backup is in progress).

©2013-2022 Tencent Cloud. All rights reserved.

StartTime	String	The start time of remote backup
FinishTime	String	The end time of remote backup
Url	String	The download address

RoGroup

Read-only group parameter

Used by actions: CreateDBInstance, CreateDBInstanceHour, DescribeDBInstances, DescribeRoGroups.

Name	Type	Required	Description
RoGroupMode	String	Yes	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).
RoGroupId	String	No	Read-only group ID.
RoGroupName	String	No	Read-only group name.
RoOfflineDelay	Integer	No	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 primary instance exceeds the latency threshold, the read-only instance will be isolated. Valid values: 1 (enabled), 0 (not enabled)
RoMaxDelayTime	Integer	No	Latency threshold
MinRoInGroup	Integer	No	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.
WeightMode	String	No	Read/write weight distribution mode. Valid values: `system` (weights are assigned by the system automatically), `custom` (weights are customized)
Weight	Integer	No	This field has been disused. To view the weight of a read-only instance, check the `Weight` value in the `RoInstances` field.

©2013-2022 Tencent Cloud. All rights reserved.

RoInstances	Array of RoInstanceInfo	No	Details of read-only instances in read-only group
Vip	String	No	Private IP of read-only group.
Vport	Integer	No	Private network port number of read-only group.
UniqVpcId	String	No	VPC ID. Note: this field may return null, indicating that no valid values can be obtained.
UniqSubnetId	String	No	Subnet ID. Note: this field may return null, indicating that no valid values can be obtained.
RoGroupRegion	String	No	Read-only group region. Note: this field may return null, indicating that no valid values can be obtained.
RoGroupZone	String	No	Read-only group AZ. Note: this field may return null, indicating that no valid values can be obtained.
DelayReplicationTime	Integer	No	Replication delay. Note: this field may return `null`, indicating that no valid values can be obtained.

RoGroupAttr

RO group configuration information.

Used by actions: ModifyRoGroupInfo.

Name	Type	Required	Description
RoGroupName	String	No	RO group name.
RoMaxDelayTime	Integer	No	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.
RoOfflineDelay	Integer	No	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.

©2013-2022 Tencent Cloud. All rights reserved.

MinRoInGroup	Integer	No	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.
WeightMode	String	No	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.
ReplicationDelayTime	Integer	No	Replication delay.

RoInstanceInfo

RO instance details

Used by actions: CreateDBInstance, CreateDBInstanceHour, DescribeDBInstances, DescribeRoGroups.

Name	Type	Required	Description
MasterInstanceId	String	Yes	Master instance ID corresponding to the RO group
RoStatus	String	Yes	RO instance status in the RO group. Value range: online, offline
OfflineTime	String	Yes	Last deactivation time of a RO instance in the RO group
Weight	Integer	Yes	RO instance weight in the RO group
Region	String	Yes	RO instance region name, such as ap-shanghai
Zone	String	Yes	Name of RO AZ, such as ap-shanghai-1
InstanceId	String	Yes	RO instance ID in the format of cdbro-c1nl9rpv
Status	Integer	Yes	RO instance status. Valid values: `0` (creating), `1` (running), `3` (remote RO), `4` (deleting). When the `DescribeDBInstances` API is used to query the information of the source instance, if the source instance is associated with a remote read-only instance, the returned status value of the remote read-only instance always shows 3.
InstanceType	Integer	Yes	Instance type. Value range: 1 (primary), 2 (disaster recovery), 3

©2013-2022 Tencent Cloud. All rights reserved.

			(read-only)
InstanceName	String	Yes	RO instance name
HourFeeStatus	Integer	Yes	Pay-as-you-go billing status. Value range: 1 (normal), 2 (in arrears)
TaskStatus	Integer	Yes	RO instance task status. Value range: 0 - no task 1 - upgrading 2 - importing data 3 - activating secondary 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
Memory	Integer	Yes	RO instance memory size in MB
Volume	Integer	Yes	RO instance disk size in GB
Qps	Integer	Yes	Queries per second
Vip	String	Yes	Private IP address of the RO instance
Vport	Integer	Yes	Access port of the RO instance
VpcId	Integer	Yes	VPC ID of the RO instance
SubnetId	Integer	Yes	VPC subnet ID of the RO instance
DeviceType	String	Yes	RO instance specification description. Value range: CUSTOM
EngineVersion	String	Yes	Database engine version of the read-only replica. Valid values: `5.1` , `5.5` , `5.6` , `5.7` , `8.0`
DeadlineTime	String	Yes	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
PayType	Integer	Yes	RO instance billing method. Value range: 0 (monthly subscribed), 1 (pay-as-you-go), 2 (monthly postpaid)

©2013-2022 Tencent Cloud. All rights reserved.

RoVipInfo

VIP information of the read-only instance

Used by actions: DescribeDBInstances.

Name	Type	Description
RoVipStatus	Integer	VIP status of the read-only instance
RoSubnetId	Integer	VPC subnet of the read-only instance
RoVpcId	Integer	VPC of the read-only instance
RoVport	Integer	VIP port number of the read-only instance
RoVip	String	VIP of the read-only instance

RoWeightValue

RO instance weight value

Used by actions: ModifyRoGroupInfo.

Name	Type	Required	Description
InstanceId	String	Yes	RO instance ID.
Weight	Integer	Yes	Weight value. Value range: [0, 100].

RollbackDBName

Name of the database for rollback

Used by actions: StartBatchRollback.

Name	Type	Required	Description
DatabaseName	String	Yes	Original database name before rollback Note: this field may return null, indicating that no valid values can be obtained.

©2013-2022 Tencent Cloud. All rights reserved.

NewDatabaseName	String	Yes	New database name after rollback Note: this field may return null, indicating that no valid values can be obtained.

RollbackInstancesInfo

Details of the instance for rollback

Used by actions: DescribeRollbackTaskDetail, StartBatchRollback.

Name	Type	Required	Description
InstanceId	String	Yes	TencentDB instance ID Note: this field may return null, indicating that no valid values can be obtained.
Strategy	String	Yes	Rollback policy. Valid values: `table` (ultrafast mode), `db` (faster mode), and `full` (fast mode). Default value: `full` . In the ultrafast mode, only backups and binlogs of the tables specified by the `Tables` parameter are imported; if `Tables` does not include all of the tables involved in cross-table operations, the rollback may fail; and the `Database` parameter must be left empty. In the faster mode, only backups and binlogs of the databases specified by the `Databases` parameter are imported, and if `Databases` does not include all of the databases involved in cross-database operations, the rollback may fail. In the fast mode, backups and binlogs of the entire instance will be imported in a speed slower than the other modes.
RollbackTime	String	Yes	Database rollback time in the format of yyyy-mm-dd hh:mm:ss
Databases	Array of RollbackDBName	No	Information of the databases to be rolled back, which means rollback at the database level Note: this field may return null, indicating that no valid values can be obtained.
Tables	Array of RollbackTables	No	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.

©2013-2022 Tencent Cloud. All rights reserved.

RollbackTableName

Name of the table for rollback

Used by actions: StartBatchRollback.

Name	Type	Required	Description
TableName	String	Yes	Original table name before rollback Note: this field may return null, indicating that no valid values can be obtained.
NewTableName	String	Yes	New table name after rollback Note: this field may return null, indicating that no valid values can be obtained.

RollbackTables

Details of the table for rollback

Used by actions: StartBatchRollback.

Name	Type	Required	Description
Database	String	Yes	Database name Note: this field may return null, indicating that no valid values can be obtained.
Table	Array of RollbackTableName	Yes	Table details Note: this field may return null, indicating that no valid values can be obtained.

RollbackTask

Rollback task details

Used by actions: DescribeRollbackTaskDetail.

Name	Type	Description
Info	String	Task execution information.
Status	String	Task execution result. Valid values: INITIAL: initializing, RUNNING:

©2013-2022 Tencent Cloud. All rights reserved.

		running, SUCCESS: succeeded, FAILED: failed, KILLED: terminated, REMOVED: deleted, PAUSED: paused.
Progress	Integer	Task execution progress. Value range: [0,100].
StartTime	String	Task start time.
EndTime	String	Task end time.
Detail	Array of RollbackInstancesInfo	Rollback task details. Note: this field may return null, indicating that no valid values can be obtained.

RollbackTimeRange

Time range available for rollback

Used by actions: DescribeRollbackRangeTime.

Name	Type	Description
Begin	String	Start time available for rollback in the format of yyyy-MM-dd HH:mm:ss, such as 2016-10-29 01:06:04
End	String	End time available for rollback in the format of yyyy-MM-dd HH:mm:ss, such as 2016-11-02 11:44:47

Rule

Weight rule

Used by actions: DescribeProxyCustomConf.

Name	Type	Description
LessThan	Integer	The maximum weight Note: this field may return `null` , indicating that no valid value can be found.
Weight	Integer	Weight Note: this field may return `null` , indicating that no valid value can be found.

©2013-2022 Tencent Cloud. All rights reserved.

RuleFilters

Filter of the audit rule

Used by actions: OpenAuditService.

Name	Type	Required	Description
Type	String	Yes	Parameter name of the audit rule filter. Valid values: `host` (client IP), `user` (database account), `dbName` (database name), `sqlType` (SQL type), `sql` (SQL statement), `affectRows` (affected rows), `sentRows` (returned rows), `checkRows` (scanned rows), `execTime` (execution rows).
Compare	String	Yes	Filter match value of the audit rule Valid values: `INC` (including), `EXC` (excluding), `EQS` (equal to), `NEQ` (not equal to), `REG` (regex), `GT` (greater than), `LT` (less than).
Value	Array of String	Yes	Filter match value of the audit rule Valid values for `sqlType` : `alter` , `changeuser` , `create` , `delete` , `drop` , `execute` , `insert` , `login` , `logout` , `other` , `replace` , `select` , `set,` update`.

SecurityGroup

Security group details

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

Name	Type	Description
ProjectId	Integer	Project ID
CreateTime	String	Creation time in the format of yyyy-mm-dd hh:mm:ss
Inbound	Array of Inbound	Inbound rule
Outbound	Array of Outbound	Outbound rule
SecurityGroupId	String	Security group ID
SecurityGroupName	String	Security group name
SecurityGroupRemark	String	Security group remarks

©2013-2022 Tencent Cloud. All rights reserved.

SlaveConfig

Configuration information of the salve database

Used by actions: DescribeDBInstanceConfig.

Name	Type	Description
ReplicationMode	String	Replication mode of the secondary database. Value range: async, semi-sync
Zone	String	AZ name of the secondary database, such as ap-shanghai-1

SlaveInfo

Slave server information

Used by actions: DescribeDBInstances.

Name	Type	Description
First	SlaveInstanceInfo	Information of secondary server 1
Second	SlaveInstanceInfo	Information of secondary server 2 Note: This field may return null, indicating that no valid values can be obtained.

SlaveInstanceInfo

Slave server information

Used by actions: DescribeDBInstances.

Name	Type	Description
Vport	Integer	Port number
Region	String	Region information
Vip	String	Virtual IP information
Zone	String	AZ information

©2013-2022 Tencent Cloud. All rights reserved.

SlowLogInfo

Slow log details

Used by actions: DescribeSlowLogs.

Name	Type	Description
Name	String	Backup filename
Size	Integer	Backup file size in bytes
Date	String	Backup snapshot time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-03-17 02:10:37
IntranetUrl	String	Download address on the private network
InternetUrl	String	Download address on the public network
Type	String	Log type. Value range: slowlog (slow log)

SlowLogItem

Structured slow log details

Used by actions: DescribeSlowLogData.

Name	Type	Description
Timestamp	Integer	SQL execution time. Note: this field may return null, indicating that no valid values can be obtained.
QueryTime	Float	SQL execution duration in seconds. Note: this field may return `null` , indicating that no valid values can be obtained.
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.

©2013-2022 Tencent Cloud. All rights reserved.

Database	String	Database name. Note: this field may return null, indicating that no valid values can be obtained.
LockTime	Float	Lock duration in seconds. 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.

Name	Type	Description
UploadTime	Timestamp	Upload time
UploadInfo	UploadInfo	Upload progress
FileName	String	Filename
FileSize	Integer	File size in bytes
IsUploadFinished	Integer	Whether upload is finished. Valid values: 0 (not completed), 1 (completed)
FileId	String	File ID

TablePrivilege

Table permission

Used by actions: DescribeAccountPrivileges, ModifyAccountPrivileges.

©2013-2022 Tencent Cloud. All rights reserved.

Name	Type	Required	Description
Database	String	Yes	Database name
Table	String	Yes	Table name
Privileges	Array of String	Yes	Permission information

Tag

Tag structure

Used by actions: DescribeDBInstances.

Name	Type	Required	Description
Key	String	Yes	Tag key
Value	String	Yes	Tag value

TagInfo

Tag information

Used by actions: CreateCloneInstance, CreateDBInstance, CreateDBInstanceHour, ModifyInstanceTag.

Name	Type	Required	Description
TagKey	String	Yes	Tag key
TagValue	Array of String	Yes	Tag value

TagInfoItem

Tag information

Used by actions: DescribeDBInstances.

Name	Type	Description
TagKey	String	Tag key

©2013-2022 Tencent Cloud. All rights reserved.

		Note: this field may return `null` , indicating that no valid values can be obtained.
TagValue	String	Tag value Note: this field may return `null` , indicating that no valid values can be obtained.

TagInfoUnit

Tag information unit

Used by actions: DescribeTagsOfInstanceIds.

Name	Type	Description
TagKey	String	Tag key
TagValue	String	Tag value

TagsInfoOfInstance

Instance tag information

Used by actions: DescribeTagsOfInstanceIds.

Name	Type	Description
InstanceId	String	Instance ID
Tags	Array of TagInfoUnit	Tag information

TaskDetail

Details of an instance task

Used by actions: DescribeTasks.

Name	Type	Description
Code	Integer	Error code.
Message	String	Error message.
JobId	Integer	ID of an instance task.

©2013-2022 Tencent Cloud. All rights reserved.

Progress	Integer	Instance task progress.
TaskStatus	String	Instance task status. Valid values: "UNDEFINED" - undefined; "INITIAL" - initializing; "RUNNING" - running; "SUCCEED" - succeeded; "FAILED" - failed; "KILLED" - terminated; "REMOVED" - deleted; "PAUSED" - paused. "WAITING" - waiting (which can be canceled)
TaskType	String	Instance task type. Valid values: "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 primary instance; "DROP TABLES" - dropping a TencentDB table; "SWITCH DR TO MASTER" - promoting a disaster recovery instance.
StartTime	String	Instance task start time.
EndTime	String	Instance task end time.
InstanceIds	Array of String	ID of an instance associated with a task. Note: This field may return null, indicating that no valid values can be obtained.
AsyncRequestId	String	Async task request ID.

UploadInfo

File upload description

Used by actions: DescribeUploadedFiles.

Name	Type	Description

©2013-2022 Tencent Cloud. All rights reserved.

AllSliceNum	Integer	Number of parts of file
CompleteNum	Integer	Number of completed parts

ZoneConf

Multi-AZ information

Used by actions: DescribeCdbZoneConfig.

Name	Type	Required	Description
DeployMode	Array of Integer	Yes	AZ deployment mode. Value range: 0 (single-AZ), 1 (multi-AZ)
MasterZone	Array of String	Yes	AZ where the primary instance is located
SlaveZone	Array of String	Yes	AZ where salve database 1 is located when the instance is deployed in multi-AZ mode
BackupZone	Array of String	Yes	AZ where salve database 2 is located when the instance is deployed in multi-AZ mode

©2013-2022 Tencent Cloud. All rights reserved.

Error Codes

Last updated：2024-01-30 10:26:39

Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

```
{
"Response": {
"Error": {
"Code": "AuthFailure.SignatureFailure",
"Message": "The provided credentials could not be validated. Please check your si
gnature is correct."
},
"RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
}
}
```

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	`Authorization` in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

©2013-2022 Tencent Cloud. All rights reserved.

	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

©2013-2022 Tencent Cloud. All rights reserved.

	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AuthFailure	CAM signature/authentication error.
AuthFailure.SubAccountDenied	The sub-account has no permissions.
CdbError	Backend or process error.
CdbError.BackupError	Backup error.
CdbError.DatabaseError	Backend database error.
CdbError.ImportError	Import task error.
CdbError.TaskError	Backend task error.
FailedOperation.AsyncTaskStatusError	Async task exception.
FailedOperation.CdbInstanceLockFailError	Failed to lock the instance while performing exclusive operations. Please try again later.

©2013-2022 Tencent Cloud. All rights reserved.

FailedOperation.CreateAccountError	Creation failed. Please check whether the user already exists.
FailedOperation.CreateAuditFailError	Failed to create the audit rule.
FailedOperation.CreateRoVipError	Failed to assign an exclusive VIP to the read-only replica.
FailedOperation.DBOperationActionError	Database operation failed.
FailedOperation.DescribeProxyGroupError	Failed to query database proxy.
FailedOperation.FailedOperationError	Unsupported operation
FailedOperation.GetPrivilegeError	An error occurred while obtaining permissions.
FailedOperation.InstanceQueryError	Query failed.
FailedOperation.InstanceTaskConflictError	An error occurred due to instance task conflict.
FailedOperation.JsonUnmarshalError	Failed to deserialize JSON.
FailedOperation.LogContentOverLimit	
FailedOperation.NotChangeStrategy	No policy modification detected
FailedOperation.NotDelayRo	It is not a read-only instance with delayed replication enabled.
FailedOperation.OperationInConflictErr	The instance has an operation in progress. Try again later.
FailedOperation.PrivilegeDataIllegal	The executed operation to modify permissions is invalid. You can refer to product documentation for more information about permissions that can be modified for this instance. If you have any questions, please contact customer service.
FailedOperation.ProxyGroupStatusError	Database proxy in an exceptional status.
FailedOperation.QueryAuditTaskFailError	Failed to query the audit task
FailedOperation.QueryLogError	Log query failed.
FailedOperation.RemoteCallUnmarshalError	Cross-region deserialization failed for the high-availability service.
FailedOperation.RepeatCreateProxyError	The proxy is being created or already exists. You

©2013-2022 Tencent Cloud. All rights reserved.

	cannot create it again.
FailedOperation.ResponseValueError	Exception with the backend request for the service. Please contact customer service.
FailedOperation.ResultSetOverLimit	The result set size of queried logs exceeds the limit. Please select a shorter time range.
FailedOperation.StartFlowError	Failed to initiate the operation. Please try again later. If the operation remains unsuccessful, please contact customer service.
FailedOperation.StatusConflict	Task status conflict.
FailedOperation.SubmitAsyncTaskError	Failed to submit the task. Please try again later. If the submission remains unsuccessful, please contact customer service.
FailedOperation.TimeoutError	The query timed out.
FailedOperation.TypeInConflict	This type of operations cannot be performed.
FailedOperation.VpcIpInUseError	The IP has been occupied.
FailedOperation.VpcIpInvalidError	Invalid IP address
FailedOperation.VpcIpNotInSubnetError	The IP doesn't exist in the subnet.
InternalError.AsyncRequestError	An error occurred while querying async tasks.
InternalError.AuditDescribeLogError	Failed to query the audit log
InternalError.AuditError	An error occurred in the internal service of the audit service.
InternalError.AuditOssLogicError	Internal exception of the audit service.
InternalError.AuthError	Authentication failed.
InternalError.CauthError	Authentication failed.
InternalError.CdbCgwError	Internal system error.
InternalError.CdbError	System error.
InternalError.CosError	Failed to obtain file information.
InternalError.DBError	Database exception

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.DBOperationError	Database operation failed.
InternalError.DBRecordNotExistError	The database record does not exist.
InternalError.DatabaseAccessError	Internal database error.
InternalError.DesError	Internal system error.
InternalError.DfwError	Security group operation error.
InternalError.ExeSqlError	SQL statement error
InternalError.ExecHttpRequestError	Failed to execute the HTTP request
InternalError.ExecuteSQLError	Failed to execute SQL statement
InternalError.FtpError	File transfer exception
InternalError.HttpError	Exceptional HTTP request
InternalError.HttpRequestError	Request failed.
InternalError.ImportError	Import failed
InternalError.InnerCommonError	Internal service error
InternalError.InternalAssertError	Internal service error. Please contact customer service.
InternalError.InternalHttpServerError	An exception occurred while executing the request.
InternalError.InternalRequestError	The backend failed to request the service. Please contact customer service.
InternalError.InternalServiceErrorErr	An error occurred while accessing internal service.
InternalError.JSONError	Failed to parse JSON.
InternalError.KmsError	Failed to enable encryption
InternalError.NetworkError	Network error
InternalError.OssError	An error occurred in TencentDB for MySQL High-Availability Edition database service.
InternalError.ParamError	Parameter error
InternalError.RegexpCompileError	Regular expression compilation error.

©2013-2022 Tencent Cloud. All rights reserved.

InternalError.ResourceNotMatch	The resource does not match.
InternalError.ResourceNotUnique	The resource is not unique.
InternalError.SecurityGroupError	Security group error
InternalError.ServerError	Internal error of the system.
InternalError.ServiceError	An exception occurred in the internal service.
InternalError.TagError	Failed to modify the tag. Please try again later.
InternalError.TaskError	Task exception
InternalError.TaskFrameError	Async task error.
InternalError.TimeWindowError	Time window error
InternalError.TradeError	Transaction system error.
InternalError.TransactionBeginError	Operation failed
InternalError.UndefinedError	Unknown error
InternalError.UnknownError	Unknown error
InternalError.VpcError	VPC or subnet error.
InvalidParameter.ControllerNotFoundError	This API was not found.
InvalidParameter.DeployGroupNotEmpty	There are resources in the placement group.
InvalidParameter.ExceptionParam	Parameter exception.
InvalidParameter.InstanceNameNotFound	The instance is not found.
InvalidParameter.InstanceNotFound	The instance does not exist.
InvalidParameter.InvalidAsyncRequestId	The async task does not exist.
InvalidParameter.InvalidName	Invalid name.
InvalidParameter.InvalidParameterError	Invalid parameter value
InvalidParameter.JsonUnmarshalError	Failed to deserialize JSON.
InvalidParameter.OverDeployGroupQuota	The quota of placement group resources has been exceeded.
InvalidParameter.ResourceExists	The resource already exists.

©2013-2022 Tencent Cloud. All rights reserved.

InvalidParameter.ResourceNotExists	The resource does not exist.
InvalidParameter.ResourceNotFound	The resource is not found.
InvalidParameterValue.AccountDescriptionCharacterError	The account description contains special characters.
InvalidParameterValue.AccountDescriptionLengthError	The account description should not exceed 255 characters.
InvalidParameterValue.AccountHostRuleError	Incorrect format of the `host` parameter in the account.
InvalidParameterValue.AccountPasswordCharacterError	The account password contains invalid characters.
InvalidParameterValue.AccountPasswordLengthError	The account password is too long or too short.
InvalidParameterValue.AccountPasswordRuleError	The password format is incorrect. It should contain 8 to 64 characters and must contain at least two character sets of the following: letters, digits, and special symbols (_+-&=!@#$%^*()).
InvalidParameterValue.DataConvertError	Data conversion failed.
InvalidParameterValue.InvalidParameterValueError	Invalid parameter value
InvalidParameterValue.UserNameRuleError	Incorrect format of the account username.
InvalidParameterValue.UserNotExistError	The account does not exist.
InvalidParameterValue.VerifyAccountNoRootError	No root account found.
InvalidParameterValue.VerifyAccountPasswordError	Invalid account password.
InvalidParameterValue.VerifyAccountPrivError	The account does not have the GRANT permission.
MissingParameter.AccountMissingParameterError	Account-related parameters are missing.
MissingParameter.MissingParamError	Required parameters are missing.
OperationDenied	Operation denied.
OperationDenied.AccountOperationDenied	The Tencent Cloud account is not allowed to perform the operation due to insufficient permissions.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.ActionInProcess	The instance is performing another task.
OperationDenied.ActionNotSupport	Unsupported operation.
OperationDenied.AuditPolicyConflictError	The audit policies conflict.
OperationDenied.AuditPolicyExistError	The audit policy already exists.
OperationDenied.AuditPolicyOverQuotaError	The number of audit policies exceeds the limit.
OperationDenied.AuditRuleHasBind	The audit rule has been associated.
OperationDenied.AuditRuleNotExistError	The audit rule does not exist.
OperationDenied.AuditStatusError	Exceptional audit status.
OperationDenied.AuditTaskConflictError	The audit tasks conflict.
OperationDenied.ConflictRoStatus	The operation is not allowed as the RO group contains an invalid read-only instance.
OperationDenied.ConflictStatus	The configuration of read-only group is being modified. Please do not make repeated requests.
OperationDenied.DBBrainPolicyConflict	You have enabled the compliance audit feature of DBbrain, so you cannot enable the rule-based audit.
OperationDenied.DelayReplicationRunning	The operation is not allowed during the delayed replication.
OperationDenied.DeleteRootAccountError	The root account cannot be deleted.
OperationDenied.FunctionDenied	This instance needs permissions to use this feature.
OperationDenied.InstTypeNotSupport	The current instance type does not support this operation.
OperationDenied.InstanceLockerConflict	Instance locks are in conflict. Please try again later.
OperationDenied.InstanceStatusError	Exceptional instance status
OperationDenied.InstanceTaskRunning	Delayed replication is not allowed because the instance is executing another task.
OperationDenied.InstanceTaskStatusError	Abnormal instance task status.

©2013-2022 Tencent Cloud. All rights reserved.

OperationDenied.InstanceUnsupportedOperateError	The instance does not support this operation.
OperationDenied.NotSupportBasic	Basic instances do not support this operation (feature).
OperationDenied.NotSupportModifyLocalRootHostError	The host information of the local root account cannot be modified.
OperationDenied.OperationDeniedError	Operation denied
OperationDenied.OtherOderInProcess	There are other orders being submitted. Please try again later.
OperationDenied.ProxyAddressLimitError	The number of the proxy addresses exceeds the limit.
OperationDenied.ProxyAddressNotFund	Proxy address is not found.
OperationDenied.ProxyNodeCountLimitError	The number of the proxy nodes exceeds the limit.
OperationDenied.ProxyUpgradeTaskStatusError	This operation is not allowed during database proxy upgrade task.
OperationDenied.QueryAuditLogsError	Failed to query the audit log
OperationDenied.ResourceNotFoundError	The resource was not found.
OperationDenied.ResourceNotFundError	The resource was not found.
OperationDenied.ResultOverLimit	The maximum number of results has been reached. Please narrow down your query.
OperationDenied.SubAccountOperationDenied	The Tencent Cloud sub-account is not allowed to perform the operation due to insufficient permissions.
OperationDenied.UnSupportRefundError	This instance is not refundable.
OperationDenied.UnsupportCreateAddressError	Creating a proxy address is not supported.
OperationDenied.UnsupportOpenAuditError	The audit feature cannot be enabled.
OperationDenied.UserHasNoStrategy	This account is not authorized to access the requested resource.
OperationDenied.WrongPassword	Incorrect password or verification failed.
OperationDenied.WrongStatus	The backend task status is invalid.

©2013-2022 Tencent Cloud. All rights reserved.

OverQuota	Limit exceeded.
ResourceNotFound.CdbInstanceNotFoundError	The instance cannot be found. Please check whether your instance status is normal.
ResourceNotFound.InstanceNotFoundError	High-availability instance doesn't exist.
ResourceNotFound.InstanceNotFundError	The instance does not exist.
UnauthorizedOperation.NotEnoughPrivileges	Verification failed. Insufficient permissions.
UnsupportedOperation.NotSupportNormalInstance	The current operation is not supported for instances with no resource usage limit.
UnsupportedOperation.PrivilegesUnsupportedError	Unsupported permission.

©2013-2022 Tencent Cloud. All rights reserved.