

TencentDB for Redis

API Documentation

Product Documentation



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



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 v3

Signature

Responses

Instance APIs

AddReplicationInstance

AllocateWanAddress

ChangeInstanceRole

ChangeMasterInstance

CleanUpInstance

ClearInstance

CloseSSL

CreateInstanceAccount

CreateReplicationGroup

DeleteInstanceAccount

DeleteReplicationInstance

DescribeAutoBackupConfig

DescribeBandwidthRange

DescribeInstanceAccount

DescribeInstanceDTSInfo

DescribeInstanceZoneInfo

DescribeInstances

DescribeProxySlowLog

DescribeSlowLog

DescribeTendisSlowLog

DestroyPostpaidInstance

DestroyPrepaidInstance

DisableReplicaReadonly

EnableReplicaReadonly

InquiryPriceCreateInstance
InquiryPriceUpgradeInstance
KillMasterGroup
ModifyAutoBackupConfig
ModifyInstance
ModifyInstanceAccount
ModifyInstanceReadOnly
ModifyMaintenanceWindow
ModifyNetworkConfig
OpenSSL
ReleaseWanAddress
RenewInstance
ResetPassword
StartupInstance
SwitchProxy
UpgradeInstanceVersion
UpgradeProxyVersion
UpgradeSmallVersion
UpgradeVersionToMultiAvailabilityZones
DescribeCommonDBInstances
ChangeReplicaToMaster
CloneInstances
CreateInstances
DescribeInstanceDealDetail
DescribeInstanceNodeInfo
DescribeInstanceShards
DescribeMaintenanceWindow
DescribeParamTemplateInfo
DescribeReplicationGroup
DescribeSSLStatus
DescribeTaskInfo
DescribeTaskList
ModifyInstancePassword
RemoveReplicationInstance
UpgradeInstance
DescribeInstanceEvents
ModifyInstanceAvailabilityZones
ModifyInstanceEvent

SwitchAccessNewInstance

DescribeInstanceSupportFeature

Parameter Management APIs

ApplyParamsTemplate

CreateParamTemplate

DeleteParamTemplate

DescribeInstanceParamRecords

DescribeInstanceParams

DescribeInstanceSecurityGroup

DescribeParamTemplates

DescribeProjectSecurityGroup

ModifyConnectionConfig

ModifyInstanceParams

ModifyParamTemplate

Other APIs

AssociateSecurityGroups

DescribeDBSecurityGroups

DescribeProjectSecurityGroups

DisassociateSecurityGroups

ModifyDBInstanceSecurityGroups

SwitchInstanceVip

Region APIs

DescribeProductInfo

Monitoring and Management APIs

DescribeInstanceMonitorBigKey

DescribeInstanceMonitorBigKeySizeDist

DescribeInstanceMonitorBigKeyTypeDist

DescribeInstanceMonitorHotKey

DescribeInstanceMonitorSIP

DescribeInstanceMonitorTookDist

DescribeInstanceMonitorTopNCmd

DescribeInstanceMonitorTopNCmdTook

Backup and Restoration APIs

DescribeBackupDownloadRestriction

DescribeBackupUrl

DescribeInstanceBackups

ManualBackupInstance

ModifyBackupDownloadRestriction

RestoreInstance

Data Types

Error Codes

API Documentation

History

Last updated : 2024-04-22 11:08:46

Release 41

Release time: 2024-04-22 11:08:41

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateInstances](#)
 - New input parameters:AlarmPolicyList

Release 40

Release time: 2024-04-15 11:08:35

Release updates:

Improvement to existing documentation.

New APIs:

- [AddReplicationInstance](#)
- [CreateReplicationGroup](#)
- [DeleteReplicationInstance](#)
- [DescribeInstanceEvents](#)
- [ModifyConnectionConfig](#)
- [ModifyInstanceEvent](#)

New data structures:

- [RedisInstanceEvent](#)

Modified data structures:

- [Account](#)

- New members:CreateTime

Release 39

Release time: 2024-03-08 10:15:20

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeInstanceSupportFeature](#)
- [ModifyInstanceAvailabilityZones](#)
- [SwitchAccessNewInstance](#)

Modified APIs:

- [DescribeSlowLog](#)
 - New output parameters:InstanceSlowLogDetail

Modified data structures:

- [InstanceClusterShard](#)
 - New members:RunId
- [InstanceSet](#)
 - New members:IPv6
- [Instances](#)
 - New members:IPv6
- [ProductConf](#)
 - New members:EnableReplicaReadOnly

Release 38

Release time: 2023-08-03 17:12:12

Release updates:

Improvement to existing documentation.

Modified APIs:

- [ChangeMasterInstance](#)
 - New input parameters:ForceSwitch

Release 37

Release time: 2023-07-18 10:54:55

Release updates:

Improvement to existing documentation.

Modified APIs:

- [KillMasterGroup](#)
 - **Modified input parameters:** Password

Release 36

Release time: 2023-04-25 10:20:07

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeBandwidthRange](#)
- [RemoveReplicationInstance](#)

Release 35

Release time: 2023-04-13 11:46:10

Release updates:

Improvement to existing documentation.

New APIs:

- [CloneInstances](#)

Release 34

Release time: 2023-04-03 10:16:06

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeSSLStatus](#)

Release 33

Release time: 2023-03-15 14:33:29

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeBackupDownloadRestriction](#)
- [ModifyBackupDownloadRestriction](#)

Release 32

Release time: 2023-03-07 11:17:25

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeBackupUrl](#)
 - New input parameters: LimitType, VpcComparisonSymbol, IpComparisonSymbol, LimitVpc, LimitIp
- [DescribeInstanceBackups](#)
 - New input parameters: InstanceName
 - **Modified input parameters:** InstanceId
- [ModifyNetworkConfig](#)
 - New input parameters: VPort
 - New output parameters: TaskId

New data structures:

- [BackupLimitVpItem](#)

Modified data structures:

- [RedisBackupSet](#)
 - New members: InstanceId, InstanceName, Region, EndTime, FileType, ExpireTime

Release 31

Release time: 2022-11-29 16:38:56

Release updates:

Improvement to existing documentation.

Modified APIs:

- [RenewInstance](#)
 - New input parameters: ModifyPayMode

Modified data structures:

- [ProxyNodes](#)
 - New members: ZonId

Release 30

Release time: 2022-11-01 10:31:23

Release updates:

Improvement to existing documentation.

New APIs:

- [CloseSSL](#)
- [OpenSSL](#)

Modified APIs:

- [DescribeInstances](#)
 - New input parameters: AzMode

Modified data structures:

- [InstanceSet](#)
 - New members:WanAddress, PolarisServer, CurrentProxyVersion, CurrentRedisVersion, UpgradeProxyVersion, UpgradeRedisVersion

Release 29

Release time: 2022-10-13 14:21:03

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeSlowLog](#)
 - New input parameters:Role

Release 28

Release time: 2022-08-23 15:48:11

Release updates:

Improvement to existing documentation.

New APIs:

- [SwitchProxy](#)

Release 27

Release time: 2022-08-11 10:58:47

Release updates:

Improvement to existing documentation.

New APIs:

- [ChangeInstanceRole](#)
- [ChangeMasterInstance](#)

Modified APIs:

- [DescribeInstances](#)
 - New input parameters: InstanceIds

Release 26

Release time: 2022-07-28 14:54:16

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateInstances](#)
 - New input parameters: ProductVersion, RedisClusterId
- [InquiryPriceCreateInstance](#)
 - New input parameters: ProductVersion

Release 25

Release time: 2022-07-22 10:37:17

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeInstances](#)
 - New input parameters: ProductVersions

Release 24

Release time: 2022-07-13 14:10:12

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeInstances](#)

New data structures:

- [InstanceClusterNode](#)
- [InstanceNode](#)
- [InstanceSet](#)
- [InstanceTagInfo](#)

Release 23

Release time: 2022-07-13 10:17:15

Release updates:

Improvement to existing documentation.

Deleted APIs:

- [DescribeInstances](#)

Deleted data structures:

- [InstanceClusterNode](#)
- [InstanceNode](#)
- [InstanceSet](#)
- [InstanceTagInfo](#)

Release 22

Release time: 2022-07-07 11:42:30

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeTaskList](#)
- [KillMasterGroup](#)

New data structures:

- [TaskInfoDetail](#)

Release 21

Release time: 2022-07-06 11:37:53

Release updates:

Improvement to existing documentation.

Deleted APIs:

- DescribeTaskList
- KillMasterGroup

Modified APIs:

- [CreateInstances](#)
 - New input parameters: DryRun
- [DescribeAutoBackupConfig](#)
 - New output parameters: BackupStorageDays, BinlogStorageDays
- [DescribeDBSecurityGroups](#)
 - New output parameters: VIP, VPort
- [DescribeInstances](#)
 - New input parameters: InstanceTags, TagKeys
- [ManualBackupInstance](#)
 - New input parameters: StorageDays
- [ModifyAutoBackupConfig](#)
 - New output parameters: BackupStorageDays
- [ModifyNetworkConfig](#)
 - New input parameters: Recycle
- [UpgradeVersionToMultiAvailabilityZones](#)
 - New input parameters: UpgradeProxyAndRedisServer

Deleted data structures:

- TaskInfoDetail

Modified data structures:

- [RedisBackupSet](#)

- New members:BackupSize, FullBackup, InstanceType

Release 20

Release time: 2022-06-23 15:09:50

Release updates:

Improvement to existing documentation.

New APIs:

- [ApplyParamsTemplate](#)
- [AssociateSecurityGroups](#)
- [CleanUpInstance](#)
- [ClearInstance](#)
- [CreateInstanceAccount](#)
- [CreateInstances](#)
- [CreateParamTemplate](#)
- [DeleteInstanceAccount](#)
- [DeleteParamTemplate](#)
- [DescribeAutoBackupConfig](#)
- [DescribeBackupUrl](#)
- [DescribeCommonDBInstances](#)
- [DescribeDBSecurityGroups](#)
- [DescribeInstanceBackups](#)
- [DescribeInstanceDTSInfo](#)
- [DescribeInstanceDealDetail](#)
- [DescribeInstanceParamRecords](#)
- [DescribeInstanceParams](#)
- [DescribeInstanceSecurityGroup](#)
- [DescribeInstanceShards](#)
- [DescribeInstanceZoneInfo](#)
- [DescribeInstances](#)
- [DescribeParamTemplateInfo](#)
- [DescribeParamTemplates](#)
- [DescribeProjectSecurityGroup](#)
- [DescribeProjectSecurityGroups](#)
- [DescribeProxySlowLog](#)

- [DescribeTaskInfo](#)
- [DescribeTaskList](#)
- [DescribeTendisSlowLog](#)
- [DestroyPostpaidInstance](#)
- [DestroyPrepaidInstance](#)
- [DisableReplicaReadonly](#)
- [DisassociateSecurityGroups](#)
- [EnableReplicaReadonly](#)
- [KillMasterGroup](#)
- [ManualBackupInstance](#)
- [ModifyAutoBackupConfig](#)
- [ModifyDBInstanceSecurityGroups](#)
- [ModifyInstance](#)
- [ModifyInstanceAccount](#)
- [ModifyInstanceParams](#)
- [ModifyMaintenanceWindow](#)
- [ModifyNetworkConfig](#)
- [ModifyParamTemplate](#)
- [RenewInstance](#)
- [ResetPassword](#)
- [RestoreInstance](#)
- [StartupInstance](#)
- [SwitchInstanceVip](#)
- [UpgradeInstance](#)
- [UpgradeInstanceVersion](#)
- [UpgradeVersionToMultiAvailabilityZones](#)

New data structures:

- [BackupDownloadInfo](#)
- [DescribeInstanceDTSInstanceInfo](#)
- [Inbound](#)
- [InstanceClusterNode](#)
- [InstanceClusterShard](#)
- [InstanceEnumParam](#)
- [InstanceIntegerParam](#)
- [InstanceMultiParam](#)
- [InstanceNode](#)

- [InstanceParam](#)
- [InstanceParamHistory](#)
- [InstanceProxySlowlogDetail](#)
- [InstanceSecurityGroupDetail](#)
- [InstanceSet](#)
- [InstanceTagInfo](#)
- [InstanceTextParam](#)
- [Outbound](#)
- [ParamTemplateInfo](#)
- [ParameterDetail](#)
- [RedisBackupSet](#)
- [RedisCommonInstanceList](#)
- [RedisNode](#)
- [RedisNodeInfo](#)
- [ReplicaGroup](#)
- [ResourceTag](#)
- [SecurityGroup](#)
- [SecurityGroupDetail](#)
- [SecurityGroupsInboundAndOutbound](#)
- [TaskInfoDetail](#)
- [TendisSlowLogDetail](#)
- [TradeDealDetail](#)

Release 19

Release time: 2022-06-14 16:50:56

Release updates:

Improvement to existing documentation.

New APIs:

- [UpgradeProxyVersion](#)
- [UpgradeSmallVersion](#)

Release 18

Release time: 2022-05-25 16:19:17

Release updates:

Improvement to existing documentation.

New APIs:

- [ModifyInstanceReadOnly](#)

Release 17

Release time: 2022-05-12 10:54:45

Release updates:

Improvement to existing documentation.

New APIs:

- [AllocateWanAddress](#)
- [ChangeReplicaToMaster](#)
- [DescribeInstanceNodeInfo](#)
- [ReleaseWanAddress](#)

New data structures:

- [ProxyNodes](#)
- [RedisNodes](#)
- [TendisNodes](#)

Release 16

Release time: 2022-04-01 10:32:31

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeReplicationGroup](#)

Deleted APIs:

- [ApplyParamsTemplate](#)

- AssociateSecurityGroups
- ChangeReplicaToMaster
- CleanUpInstance
- ClearInstance
- CreateInstanceAccount
- CreateInstances
- CreateParamTemplate
- DeleteInstanceAccount
- DeleteParamTemplate
- DescribeAutoBackupConfig
- DescribeBackupUrl
- DescribeCommonDBInstances
- DescribeDBSecurityGroups
- DescribeInstanceBackups
- DescribeInstanceDTSInfo
- DescribeInstanceDealDetail
- DescribeInstanceNodeInfo
- DescribeInstanceParamRecords
- DescribeInstanceParams
- DescribeInstanceSecurityGroup
- DescribeInstanceShards
- DescribeInstanceZoneInfo
- DescribeInstances
- DescribeParamTemplateInfo
- DescribeParamTemplates
- DescribeProjectSecurityGroup
- DescribeProjectSecurityGroups
- DescribeProxySlowLog
- DescribeTaskInfo
- DescribeTaskList
- DescribeTendisSlowLog
- DestroyPostpaidInstance
- DestroyPrepaidInstance
- DisableReplicaReadOnly
- DisassociateSecurityGroups
- EnableReplicaReadOnly
- KillMasterGroup
- ManualBackupInstance

- `ModifyAutoBackupConfig`
- `ModifyDBInstanceSecurityGroups`
- `ModifyInstance`
- `ModifyInstanceAccount`
- `ModifyInstanceParams`
- `ModifyMaintenanceWindow`
- `ModifyNetworkConfig`
- `ModifyParamTemplate`
- `RenewInstance`
- `ResetPassword`
- `RestoreInstance`
- `StartupInstance`
- `SwitchInstanceVip`
- `UpgradeInstance`
- `UpgradeInstanceVersion`
- `UpgradeVersionToMultiAvailabilityZones`

New data structures:

- [Groups](#)
- [Instances](#)

Deleted data structures:

- `BackupDownloadInfo`
- `DescribeInstanceDTSInstanceInfo`
- `Inbound`
- `InstanceClusterNode`
- `InstanceClusterShard`
- `InstanceEnumParam`
- `InstanceIntegerParam`
- `InstanceMultiParam`
- `InstanceNode`
- `InstanceParam`
- `InstanceParamHistory`
- `InstanceProxySlowlogDetail`
- `InstanceSecurityGroupDetail`
- `InstanceSet`
- `InstanceTagInfo`

- InstanceTextParam
- Outbound
- ParamTemplateInfo
- ParameterDetail
- ProxyNodes
- RedisBackupSet
- RedisCommonInstanceList
- RedisNode
- RedisNodeInfo
- RedisNodes
- ReplicaGroup
- ResourceTag
- SecurityGroup
- SecurityGroupDetail
- SecurityGroupsInboundAndOutbound
- TaskInfoDetail
- TendisNodes
- TendisSlowLogDetail
- TradeDealDetail

Release 15

Release time: 2022-01-23 11:17:48

Release updates:

Improvement to existing documentation.

Modified APIs:

- [KillMasterGroup](#)
 - New input parameters:ShardIds

Release 14

Release time: 2021-11-18 10:40:01

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DisableReplicaReadonly](#)
 - New output parameters:TaskId
 - **Deleted output parameters:** Status
- [EnableReplicaReadonly](#)
 - New output parameters:TaskId

Release 13

Release time: 2021-08-19 17:33:33

Release updates:

Improvement to existing documentation.

New APIs:

- [ApplyParamsTemplate](#)
- [CreateParamTemplate](#)
- [DeleteParamTemplate](#)
- [DescribeParamTemplateInfo](#)
- [DescribeParamTemplates](#)
- [DescribeTendisSlowLog](#)
- [InquiryPriceCreateInstance](#)
- [InquiryPriceUpgradeInstance](#)
- [ModifyParamTemplate](#)

Modified APIs:

- [CreateInstances](#)
 - New input parameters:ZoneName, TemplateId
 - **Modified input parameters:** Zoneld
- [DescribeBackupUrl](#)
 - New output parameters:FileNames, BackupInfos

New data structures:

- [BackupDownloadInfo](#)
- [ParamTemplateInfo](#)
- [ParameterDetail](#)

- [TendisSlowLogDetail](#)

Modified data structures:

- [RedisNodeInfo](#)
 - New members:ZoneName
 - **Modified members:** Zoneld

Release 12

Release time: 2021-07-28 16:06:09

Release updates:

Improvement to existing documentation.

New APIs:

- [KillMasterGroup](#)

Release 11

Release time: 2021-07-02 15:29:17

Release updates:

Improvement to existing documentation.

New APIs:

- [ChangeReplicaToMaster](#)

Modified data structures:

- [RedisNode](#)
 - New members:Role
- [RedisNodes](#)
 - New members:Zoneld

Release 10

Release time: 2021-04-30 10:48:47

Release updates:

Improvement to existing documentation.

New APIs:

- [UpgradeVersionToMultiAvailabilityZones](#)

Release 9

Release time: 2021-03-19 16:49:48

Release updates:

Improvement to existing documentation.

Modified data structures:

- [InstanceIntegerParam](#)
 - New members:Unit
- [InstanceSlowlogDetail](#)
 - New members:Node

Release 8

Release time: 2021-03-01 16:36:57

Release updates:

Improvement to existing documentation.

Modified data structures:

- [InstanceSet](#)
 - New members:ClientLimitMin, ClientLimitMax, NodeSet, Region

Release 7

Release time: 2021-01-22 10:19:59

Release updates:

Improvement to existing documentation.

Modified APIs:

- [UpgradeInstance](#)
 - New input parameters:NodeSet

Release 6

Release time: 2020-12-21 16:33:16

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeInstanceZoneInfo](#)

Modified APIs:

- [CreateInstances](#)
 - New input parameters:ResourceTags

New data structures:

- [RedisNode](#)
- [ReplicaGroup](#)
- [ResourceTag](#)

Release 5

Release time: 2020-11-24 17:34:33

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeCommonDBInstances](#)

Modified APIs:

- [CreateInstances](#)
 - New input parameters:NodeSet

New data structures:

- [RedisCommonInstanceList](#)
- [RedisNodeInfo](#)

Release 4

Release time: 2020-10-30 09:56:16

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeInstanceNodeInfo](#)
- [DescribeProxySlowLog](#)

New data structures:

- [InstanceProxySlowlogDetail](#)
- [ProxyNodes](#)
- [RedisNodes](#)
- [TendisNodes](#)

Release 3

Release time: 2020-09-10 17:15:27

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeInstances](#)
 - New input parameters:MonitorVersion

Modified data structures:

- [InstanceSet](#)
 - New members:DiskSize, MonitorVersion

Release 2

Release time: 2020-08-06 19:41:00

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeMaintenanceWindow](#)
- [ModifyMaintenanceWindow](#)
- [UpgradeInstanceVersion](#)

Existing Release

Release time: 2020-07-30 20:13:04

Existing APIs/data structures are as follows:

Improvement to existing documentation.

Existing APIs:

- [AssociateSecurityGroups](#)
- [CleanUpInstance](#)
- [ClearInstance](#)
- [CreateInstanceAccount](#)
- [CreateInstances](#)
- [DeleteInstanceAccount](#)
- [DescribeAutoBackupConfig](#)
- [DescribeBackupUrl](#)
- [DescribeDBSecurityGroups](#)
- [DescribeInstanceAccount](#)
- [DescribeInstanceBackups](#)
- [DescribeInstanceDTSInfo](#)
- [DescribeInstanceDealDetail](#)
- [DescribeInstanceMonitorBigKey](#)
- [DescribeInstanceMonitorBigKeySizeDist](#)
- [DescribeInstanceMonitorBigKeyTypeDist](#)
- [DescribeInstanceMonitorHotKey](#)
- [DescribeInstanceMonitorSIP](#)

- [DescribeInstanceMonitorTookDist](#)
- [DescribeInstanceMonitorTopNCmd](#)
- [DescribeInstanceMonitorTopNCmdTook](#)
- [DescribeInstanceParamRecords](#)
- [DescribeInstanceParams](#)
- [DescribeInstanceSecurityGroup](#)
- [DescribeInstanceShards](#)
- [DescribeInstances](#)
- [DescribeProductInfo](#)
- [DescribeProjectSecurityGroup](#)
- [DescribeProjectSecurityGroups](#)
- [DescribeSlowLog](#)
- [DescribeTaskInfo](#)
- [DescribeTaskList](#)
- [DestroyPostpaidInstance](#)
- [DestroyPrepaidInstance](#)
- [DisableReplicaReadonly](#)
- [DisassociateSecurityGroups](#)
- [EnableReplicaReadonly](#)
- [ManualBackupInstance](#)
- [ModifyInstancePassword](#)
- [ModifyAutoBackupConfig](#)
- [ModifyDBInstanceSecurityGroups](#)
- [ModifyInstance](#)
- [ModifyInstanceAccount](#)
- [ModifyInstanceParams](#)
- [ModifyNetworkConfig](#)
- [RenewInstance](#)
- [ResetPassword](#)
- [RestoreInstance](#)
- [StartupInstance](#)
- [SwitchInstanceVip](#)
- [UpgradeInstance](#)

Existing data structures:

- [Account](#)
- [BigKeyInfo](#)

- [BigKeyTypeInfo](#)
- [CommandTake](#)
- [DelayDistribution](#)
- [DescribeInstanceDTSInstanceInfo](#)
- [HotKeyInfo](#)
- [Inbound](#)
- [InstanceClusterNode](#)
- [InstanceClusterShard](#)
- [InstanceEnumParam](#)
- [InstanceIntegerParam](#)
- [InstanceMultiParam](#)
- [InstanceNode](#)
- [InstanceParam](#)
- [InstanceParamHistory](#)
- [InstanceSecurityGroupDetail](#)
- [InstanceSet](#)
- [InstanceSlowlogDetail](#)
- [InstanceTagInfo](#)
- [InstanceTextParam](#)
- [Outbound](#)
- [ProductConf](#)
- [RedisBackupSet](#)
- [RegionConf](#)
- [SecurityGroup](#)
- [SecurityGroupDetail](#)
- [SecurityGroupsInboundAndOutbound](#)
- [SourceCommand](#)
- [SourceInfo](#)
- [TaskInfoDetail](#)
- [TradeDealDetail](#)
- [ZoneCapacityConf](#)

Introduction

Last updated : 2024-04-18 16:30:56

Tencent Cloud Redis is a high-availability and highly reliable Redis service platform built upon Tencent's years of technological accumulation in the distributed caching field.

Tencent Cloud Redis offers two storage engines: the Community Edition Redis and its self-developed CKV Edition.

Tencent Cloud Redis supports flexible deployment architectures: Master-replica edition and cluster edition, capable of catering to diverse business scenarios.

The master-replica edition supports a maximum specification of up to 384 GB, while the cluster edition supports up to 128 shards with specifications exceeding 4 TB.

Note:

- All APIs of this section for TencentDB for Redis are the latest version, API 3.0, and all new features related to TencentDB for Redis will be updated here in this section. We strongly recommend you to use the latest API 3.0.

API Category

Last updated : 2024-04-15 11:08:53

Instance APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AddReplicationInstance	Adds replication group members	20
AllocateWanAddress	Enables public network API	20
ChangeInstanceRole	Modifies the role of an instance in a replication group	20
ChangeMasterInstance	Switches with master instance in a replication group	20
CleanUpInstance	Eliminates instance in recycle bin immediately	20
ClearInstance	Clears Redis instance	20
CloseSSL	Disables SSL	20
CreateInstanceAccount	Creates instance sub-account	20
CreateReplicationGroup	Creates a replication group	20
DeleteInstanceAccount	Deletes instance sub-account	20
DeleteReplicationInstance	Deletes replication group members	20
DescribeAutoBackupConfig	Gets automatic backup configuration	20
DescribeBandwidthRange	Queries the information of instance bandwidth	20
DescribeInstanceAccount	Views instance sub-account information	20
DescribeInstanceDTSInfo	Queries the DTS task details of instance	20
DescribeInstanceZoneInfo	Queries Redis node details	20

DescribeInstances	Queries the list of Redis instances	50
DescribeProxySlowLog	Queries the slow queries of proxy	20
DescribeSlowLog	Queries the slow log	20
DescribeTendisSlowLog	Queries the slow queries of Tendis instance	20
DestroyPostpaidInstance	Terminates pay-as-you-go instance	20
DestroyPrepaidInstance	Returns monthly subscribed instance	20
DisableReplicaReadOnly	Disables read/write separation	20
EnableReplicaReadOnly	Enables read/write separation	20
InquiryPriceCreateInstance	Queries the price for purchasing an instance	20
InquiryPriceUpgradeInstance	Queries the price for scaling an instance	20
KillMasterGroup	Performs failure simulation	20
ModifyAutoBackupConfig	Configures automatic backup	20
ModifyInstance	Modifies instance information	50
ModifyInstanceAccount	Modifies instance sub-account	20
ModifyInstanceReadOnly	Sets instance input mode	20
ModifyMaintenanceWindow	Modifies instance maintenance time	20
ModifyNetworkConfig	Modifies the network configuration of instance	20
OpenSSL	Enables SSL	20
ReleaseWanAddress	Disables public network API	20
RenewInstance	Renews instance	20
ResetPassword	Resets password	20
StartupInstance	Deisolates instance	20
SwitchProxy	Simulates the failure of a proxy node	20

UpgradeInstanceVersion	Upgrades the instance architecture	20
UpgradeProxyVersion	Upgrades instance proxy version	20
UpgradeSmallVersion	Upgrades instance minor version	20
UpgradeVersionToMultiAvailabilityZones	Upgrades instance to support multi-AZ deployment	20
DescribeCommonDBInstances	Queries the list of Redis instance information (disused)	20
ChangeReplicaToMaster	Promotes a replica node group to master node group	20
CloneInstances	Clones an instance	20
CreateInstances	Creates Redis instance	20
DescribeInstanceDealDetail	Queries order information	20
DescribeInstanceNodeInfo	Queries instance node information	20
DescribeInstanceShards	Gets the information of Cluster Edition instance shards	20
DescribeMaintenanceWindow	Queries instance maintenance window	20
DescribeParamTemplateInfo	Queries parameter template details	20
DescribeReplicationGroup	Queries the global replication group	20
DescribeSSLStatus	Queries SSL status	20
DescribeTaskInfo	Queries Redis task result	20
DescribeTaskList	Queries the list of tasks	100
ModifyInstancePassword	Modifies the Redis password (Please use the latest ModifyInstancePassword API)	20
RemoveReplicationInstance	Removes a member from a replication group	20
UpgradeInstance	Modifies the instance configuration	20
DescribeInstanceEvents	Queries instance event information	20

ModifyInstanceAvailabilityZones	Modifies the availability zone of the instance	20
ModifyInstanceEvent	Modifies the operations event execution schedule of an instance	20
SwitchAccessNewInstance	Switches operation immediately	20
DescribeInstanceSupportFeature	Queries the supported features of the instance	20

Parameter Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
ApplyParamsTemplate	Applies parameter template	20
CreateParamTemplate	Creates parameter template	20
DeleteParamTemplate	Deletes parameter template	20
DescribeInstanceParamRecords	Queries the list of parameter modifications	20
DescribeInstanceParams	Queries the list of instance parameters	20
DescribeInstanceSecurityGroup	Queries the security group information of instance	20
DescribeParamTemplates	Queries the list of parameter templates	20
DescribeProjectSecurityGroup	Queries the security group information of project	20
ModifyConnectionConfig	Modifies instance connection configuration	20
ModifyInstanceParams	Modifies instance parameters	20
ModifyParamTemplate	Modifies parameter template	20

Other APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AssociateSecurityGroups	Binds security group	20
DescribeDBSecurityGroups	Queries security group details	100
DescribeProjectSecurityGroups	Queries the security group details of project	20
DisassociateSecurityGroups	Unbinds security group from instances in batches	20
ModifyDBInstanceSecurityGroups	Modifies security groups bound to instance	20
SwitchInstanceVip	Swaps the VIPs of instances	20

Backup and Restoration APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeBackupDownloadRestriction	Queries the restrictions for downloading a backup file	20
DescribeBackupUrl	Queries the download address of backup RDB	20
DescribeInstanceBackups	Queries the list of Redis instance backups	20
ManualBackupInstance	Manually backs up Redis instance	20
ModifyBackupDownloadRestriction	Modifies the restrictions for downloading a backup file	20
RestoreInstance	Restores Redis instance	20

Region APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeProductInfo	Queries the purchasable product specifications	20

Monitoring and Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeInstanceMonitorBigKey	Queries the instance big key (disused)	20
DescribeInstanceMonitorBigKeySizeDist	Queries the big key size distribution of an instance (disused)	20
DescribeInstanceMonitorBigKeyTypeDist	Queries the big key type distribution of an instance (disused)	20
DescribeInstanceMonitorHotKey	Queries the hot key of an instance	20
DescribeInstanceMonitorSIP	Queries the access source information of an instance	20
DescribeInstanceMonitorTookDist	Queries the distribution of instance access time	20
DescribeInstanceMonitorTopNCmd	Queries an instance access command	20
DescribeInstanceMonitorTopNCmdTook	Queries the instance CPU time	20

Making API Requests

Request Structure

Last updated : 2024-04-03 11:32:31

1. Service Address

The API supports access from either a nearby region (at `redis.tencentcloudapi.com`) or a specified region (at `redis.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 "`redis.ap-guangzhou.tencentcloudapi.com`".

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

Tencent Cloud currently supports the following regions:

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

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

2. Communications Protocol

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

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

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

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

4. Character Encoding

Only UTF-8 encoding is used.

Common Params

Last updated : 2024-04-03 11:32:32

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

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

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

Example of an HTTP GET request structure:

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

Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE/2018-10-09/cvm/tc3_request, SignedHeaders=content-type;host, Signature=5da7a33f6993f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474
Content-Type: application/x-www-form-urlencoded
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1539084154
X-TC-Region: ap-guangzhou
```

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

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

Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
Content-Type: application/json
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

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

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

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

```
Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request,
SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b1316
2d9279b0855cfba6789a8edb4c
```

```
Content-Type: multipart/form-data; boundary=58731222010402
```

```
Host: cvm.tencentcloudapi.com
```

```
X-TC-Action: DescribeInstances
```

```
X-TC-Version: 2017-03-12
```

```
X-TC-Timestamp: 1527672334
```

```
X-TC-Region: ap-guangzhou
```

```
--58731222010402
```

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

```
0
```

```
--58731222010402
```

```
Content-Disposition: form-data; name="Limit "
```

```
10
```

```
--58731222010402--
```

Common parameters for Signature Algorithm v1

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

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

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

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

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbec224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

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

Example of an HTTP POST request structure:

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

```
Host: cvm.tencentcloudapi.com
```

```
Content-Type: application/x-www-form-urlencoded
```

```
Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

Signature v3

Last updated : 2024-04-03 11:32:34

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

Applying for Security Credentials

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

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

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

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

Using the Resources for Developers

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

TC3-HMAC-SHA256 Signature Algorithm

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

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

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

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

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

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

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

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

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

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

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

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

Field Name	Explanation
HTTPRequestMethod	HTTP request method (GET or POST). This example uses <code>POST</code> .
CanonicalURI	URI parameter. Slash ("/") is used for API 3.0.
CanonicalQueryString	<p>The query string in the URL of the originating HTTP request. This is always an empty string for POST requests, and is the string after the question mark (?) for GET requests. For example: <code>Limit=10&Offset=0</code>.</p> <p>Note: <code>CanonicalQueryString</code> must be URL-encoded, referencing RFC3986, the UTF8 character set. We recommend using the programming language library. All special characters must be encoded and capitalized.</p>
CanonicalHeaders	<p>Header information for signature calculation, including at least two headers of <code>host</code> and <code>content-type</code>. Custom headers can be added to participate in the signature process to improve the uniqueness and security of the request.</p> <p>Concatenation rules:</p> <ol style="list-style-type: none"> Both the key and value of the header should be converted to lowercase with the leading and trailing spaces removed, so they are concatenated in the format of <code>key:value\n</code> format; If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase). <p>The calculation result in this example is <code>content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n</code>.</p> <p>Note: <code>content-type</code> must match the actually sent content. In some programming languages, a charset value would be added even if it is not specified. In this case, the request sent is different from the one signed, and the server will return an error indicating signature verification failed.</p>
SignedHeaders	<p>Header information for signature calculation, indicating which headers of the request participate in the signature process (they must each individually correspond to the headers in CanonicalHeaders). <code>Content-type</code> and <code>host</code> are required headers.</p> <p>Concatenation rules:</p> <ol style="list-style-type: none"> Both the key and value of the header should be converted to lowercase; If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;). <p>The value in this example is <code>content-type;host</code></p>
HashedRequestPayload	Hash value of the request payload (i.e., the body, such as <code>{"Limit": 1, "Filter</code>


```
[{"Values": ["unnamed"], "Name": "instance-name"}]} in this example
```

The pseudocode for calculation is
 Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the payload of the HTTP request, performing hexadecimal encoding, and finally converting the encoded string to lowercase letters. For GET requests, `RequestPayload` is always an empty string. The calculation result in this example is
 99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907

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

POST

/

content-type:application/json; charset=utf-8

host:cvm.tencentcloudapi.com

content-type;host

99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

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

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always <code>TC3-HMAC-SHA256</code> .
RequestTimestamp	Request timestamp, i.e., the value of the common parameter <code>X-TC-Timestamp</code> in request header, which is the UNIX timestamp of the current time in seconds, such as <code>1551113065</code> in this example.
CredentialScope	Scope of the credential in the format of <code>Date/service/tc3_request</code> , including date, requested service and termination string (<code>tc3_request</code>). Date is a date in UTC time, whose value should match the UTC date converted by the common parameter X-TC-Timestamp ; <code>service</code> is the product name, which should match the domain name of the product called. The calculation result in this example is <code>20180525/cvm/tc3_request</code> .

HashedCanonicalRequest

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

```
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad
```

Note:

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

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

```
TC3-HMAC-SHA256
1551113065
2019-02-25/cvm/tc3_request
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a
```

3. Calculating the Signature

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

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

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

Service	Value in the Service field in <code>Credential</code> , such as <code>cvm</code> in this example.
---------	---

2. Calculate the signature with the following pseudocode:

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

4. Concatenating the Authorization

The Authorization is concatenated as follows:

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

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

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

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

The following example shows a finished authorization header:

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

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

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

5. Signature Demo

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

- [Python](#)
- [Java](#)
- [PHP](#)
- [Go](#)
- [NodeJS](#)
- [.NET](#)

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

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

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

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

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

Java

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

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

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

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

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

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

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

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

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

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

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

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

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

```

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

```

Python

```

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

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

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

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

```

```

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

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

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

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

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

```

Golang


```
package main

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

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

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

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

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

```
canonicalQueryString,  
canonicalHeaders,  
signedHeaders,  
hashedRequestPayload)  
fmt.Println(canonicalRequest)  
  
// step 2: build string to sign  
date := time.Unix(timestamp, 0).UTC().Format("2006-01-02")  
credentialScope := fmt.Sprintf("%s/%s/tc3_request", date, service)  
hashedCanonicalRequest := sha256hex(canonicalRequest)  
string2sign := fmt.Sprintf("%s\n%d\n%s\n%s",  
algorithm,  
timestamp,  
credentialScope,  
hashedCanonicalRequest)  
fmt.Println(string2sign)  
  
// step 3: sign string  
secretDate := hmacsha256(date, "TC3"+secretKey)  
secretService := hmacsha256(service, secretDate)  
secretSigning := hmacsha256("tc3_request", secretService)  
signature := hex.EncodeToString([]byte(hmacsha256(string2sign, secretSigning)))  
fmt.Println(signature)  
  
// step 4: build authorization  
authorization := fmt.Sprintf("%s Credential=%s/%s, SignedHeaders=%s, Signature=%  
s",  
algorithm,  
secretId,  
credentialScope,  
signedHeaders,  
signature)  
fmt.Println(authorization)  
  
curl := fmt.Sprintf(`curl -X POST https://%s\  
-H "Authorization: %s"\  
-H "Content-Type: application/json; charset=utf-8"\  
-H "Host: %s" -H "X-TC-Action: %s"\  
-H "X-TC-Timestamp: %d"\  
-H "X-TC-Version: %s"\  
-H "X-TC-Region: %s"\  
-d '%s'`, host, authorization, host, action, timestamp, version, region, payload)  
fmt.Println(curl)  
}
```

PHP

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

// step 1: build canonical request string
$httpRequestMethod = "POST";
$canonicalUri = "/";
$canonicalQueryString = "";
$canonicalHeaders = "content-type:application/json; charset=utf-8\n"."host:". $host. "\n";
$signedHeaders = "content-type;host";
$payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}';
$hashedRequestPayload = hash("SHA256", $payload);
$canonicalRequest = $httpRequestMethod. "\n"
.$canonicalUri. "\n"
.$canonicalQueryString. "\n"
.$canonicalHeaders. "\n"
.$signedHeaders. "\n"
.$hashedRequestPayload;
echo $canonicalRequest.PHP_EOL;

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

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

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

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

Ruby

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

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

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

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

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

puts canonical_request

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

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

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

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

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

DotNet

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

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

    public static byte[] HmacSHA256(byte[] key, byte[] msg)
    {
        using (HMACSHA256 mac = new HMACSHA256(key))
        {
            return mac.ComputeHash(msg);
        }
    }

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

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

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

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

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

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

Dictionary<string, string> headers = new Dictionary<string, string>();
headers.Add("Authorization", authorization);
headers.Add("Host", endpoint);
headers.Add("Content-Type", contentType + "; charset=utf-8");
headers.Add("X-TC-Timestamp", requestTimestamp.ToString());
headers.Add("X-TC-Version", version);
headers.Add("X-TC-Action", action);
headers.Add("X-TC-Region", region);
return headers;
}

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

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

    // The timestamp `2019-02-26 00:44:25` used here is only for reference. In a project, use the following parameter:
    // DateTime date = DateTime.UtcNow;
    // Enter the correct time zone. We recommend using UTC timestamp to avoid errors.
    DateTime date = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc).AddSeconds(1551113065);
    string requestPayload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"\\u672a\\u547d\\u540d\"], \"Name\": \"instance-name\"}]\"}";

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

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


NodeJS

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

function sha256(message, secret = '', encoding) {
  const hmac = crypto.createHmac('sha256', secret)
  return hmac.update(message).digest(encoding)
}

function getHash(message, encoding = 'hex') {
  const hash = crypto.createHash('sha256')
  return hash.update(message).digest(encoding)
}

function getDate(timestamp) {
  const date = new Date(timestamp * 1000)
  const year = date.getUTCFullYear()
  const month = ('0' + (date.getUTCMonth() + 1)).slice(-2)
  const day = ('0' + date.getUTCDate()).slice(-2)
  return `${year}-${month}-${day}`
}

function main(){

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

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

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

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

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

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

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

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

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

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

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

C++

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

using namespace std;

string get_data(int64_t &timestamp)
{
    string utcDate;
    char buff[20] = {0};
    // time_t timenow;
    struct tm sttime;
    sttime = *gmtime(&timestamp);
    strftime(buff, sizeof(buff), "%Y-%m-%d", &sttime);
    utcDate = string(buff);
    return utcDate;
}

string int2str(int64_t n)
{
    std::stringstream ss;
    ss << n;
    return ss.str();
}

string sha256Hex(const string &str)
{
    char buf[3];
    unsigned char hash[SHA256_DIGEST_LENGTH];
    SHA256_CTX sha256;
    SHA256_Init(&sha256);
    SHA256_Update(&sha256, str.c_str(), str.size());
    SHA256_Final(hash, &sha256);
    std::string NewString = "";
    for(int i = 0; i < SHA256_DIGEST_LENGTH; i++)
    {
        sprintf(buf, sizeof(buf), "%02x", hash[i]);
        NewString = NewString + buf;
    }
    return NewString;
}
```

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

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

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

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

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

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

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

```
return output;
}

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

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

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

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

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

```

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

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

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

```

Signature Failure

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

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

Signature

Last updated : 2024-04-03 11:32:35

Tencent Cloud API authenticates each access request, i.e. each request needs to include authentication information (Signature) in the common parameters to verify the identity of the requester.

The Signature is generated by the security credentials which include SecretId and SecretKey. If you don't have the security credentials yet, go to the [TencentCloud API Key](#) page to apply for them; otherwise, you cannot invoke the TencentCloud API.

1. Applying for Security Credentials

Before using the TencentCloud API for the first time, go to the [TencentCloud API Key](#) page to apply for security credentials.

Security credentials consist of SecretId and SecretKey:

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

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

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

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

2. Generating a Signature

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

Assume that the SecretId and SecretKey are:

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

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

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

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

2.1. Sorting Parameters

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

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


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

2.2. Concatenating a Request String

This step generates a request string.

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

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

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

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

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

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

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

The concatenation result of the example is:

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

2.4. Generating a Signature String

This step generates a signature string.

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

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

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

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

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

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

3. Encoding a Signature String

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

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

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

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

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

4. Signature Failure

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

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

5. Signature Demo

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

- [Python](#)
- [Java](#)
- [PHP](#)
- [Go](#)
- [NodeJS](#)
- [.NET](#)

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

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

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

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

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

Java

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

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

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

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

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

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

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

Python

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

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

import requests

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

```

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

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

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

```

Golang

```

package main

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

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

```

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

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

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

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

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

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

PHP

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

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

ksort($params);

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

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

Ruby

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

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

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



```

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

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

```

DotNet

```

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

public class Application {
  public static string Sign(string signKey, string secret)
  {
    string signRet = string.Empty;
    using (HMACSHA1 mac = new HMACSHA1(Encoding.UTF8.GetBytes(signKey)))
    {
      byte[] hash = mac.ComputeHash(Encoding.UTF8.GetBytes(secret));
      signRet = Convert.ToBase64String(hash);
    }
    return signRet;
  }

  public static string MakeSignPlainText(SortedDictionary<string, string> requestParams, string requestMethod, string requestHost, string requestPath)

```

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

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

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

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

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

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

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

NodeJS

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

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

function formatSignString(reqMethod, endpoint, path, strParam){
    let strSign = reqMethod + endpoint + path + "?" + strParam.slice(1);
    return strSign;
}

function sha1(secretKey, strsign){
    let signMethodMap = {'HmacSHA1': "sha1"};
    let hmac = crypto.createHmac(signMethodMap['HmacSHA1'], secretKey || "");
    return hmac.update(Buffer.from(strsign, 'utf8')).digest('base64')
}

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

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

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

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

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

strParam = sort_params(params)

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

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

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


Responses

Last updated : 2024-04-03 11:32:36

Response for Successful Requests

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

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

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

Response for Failed Requests

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

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

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

Common Error Codes

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

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

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

Instance APIs

AddReplicationInstance

Last updated : 2024-04-15 11:09:00

1. API Description

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

This API is used to add replication group members.

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: AddReplicationInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
GroupId	Yes	String	Replication group ID.
InstanceId	Yes	String	Instance ID.
InstanceRole	Yes	String	Assigns roles to instances added to the replication group. <ul style="list-style-type: none">• rw: read-write;• r: read-only.

3. Output Parameters

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

4. Example

Example1 Request Sample

Input Example

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

{
  "InstanceId": "crs-sa5dsfs",
  "InstanceRole": "rw",
  "GroupId": "crs-rpl-sa5dsfs"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "c4ed5948-d156-4931-b9c3-10133a0bb6c9",
    "TaskId": 10856
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.InstanceNameRuleError	A renaming rule error occurred.
InvalidParameterValue.NotRepeatBind	The instance has already been bound.
InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.
InvalidParameterValue.SpecNotExist	The instance specification doesn't exist.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
LimitExceeded.ExceedUpperLimit	The number of bound instances exceeds the upper limit.

LimitExceeded.InstanceNotEmpty	The bound instance must not be specified.
LimitExceeded.ReplicationGroupLocked	Replication group locked
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.LimitProxyVersion	The instance version is too low.

AllocateWanAddress

Last updated : 2024-04-03 11:33:33

1. API Description

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

This API is used to enable public network access.

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: AllocateWanAddress.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Instance ID.

3. Output Parameters

Parameter Name	Type	Description
FlowId	Integer	Async task ID

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

4. Example

Example1 Enabling public network instance

Input Example

```
https://redis.tencentcloudapi.com/?Action=AllocateWanAddress
&InstanceId=crs-5qlrlhux
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "FlowId": 327,
    "WanStatus": "Enabling public network access",
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
FailedOperation.Unknown	Invalid data is entered for weekday.
InvalidParameter.IsNotVpcInstance	The instance is not in a VPC.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceUnavailable.InstanceUnLockedError	The instance has been locked by another process.

ChangeInstanceRole

Last updated : 2024-04-03 11:33:32

1. API Description

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

This API is used to modify the role of an instance in a replication 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: ChangeInstanceRole.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
GroupId	Yes	String	Replication group ID
InstanceId	Yes	String	Instance ID
InstanceRole	Yes	String	Instance role. Valid values: <code>rw</code> (read-write), <code>r</code> (read-only).

3. Output Parameters

--	--	--

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

4. Example

Example1 Modifying the role of instance in a replication group

Input Example

```
https://redis.tencentcloudapi.com/?Action=ChangeInstanceRole
&GroupId=crs-rpl-267khx71
&InstanceId=crs-5qlrlhux
&InstanceRole=rw
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": 327,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.
LimitExceeded.ReplicationGroupLocked	Replication group locked
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.Inspection	Inspecting replication group
UnsupportedOperation.InstanceNotOperation	Unsupported operation

ChangeMasterInstance

Last updated : 2024-04-03 11:33:31

1. API Description

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

This API is used to set a read-only instance in a replication group as a master 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: ChangeMasterInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Groupid	Yes	String	Replication group ID, such as <code>crs-rpl-m3zt****</code> . It is the unique identifier automatically assigned by the system when creating a replication group. Log in to the TencentDB for Redis console , and get it in the global replication list.
Instanceid	Yes	String	ID of the read-only instance to be promoted to the master instance, such as <code>crs-xjhdsdj****</code> . Log in to the TencentDB for Redis console , and copy it in the instance list.
ForceSwitch	No	Boolean	Whether to promote the read-only instance to the master instance

forcibly. Valid values:

- true :Yes
- false :No

3. Output Parameters

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

4. Example

Example1 Sample request

This example shows you how to set a read-only instance in a replication group as a master instance.

Input Example

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

{
  "InstanceId": "crs-sa5****",
  "GroupId": "crs-rpl-sa5****",
  "ForceSwitch": false
}
```

Output Example

```
{
  "Response": {
    "TaskId": 327,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

```
}  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.

LimitExceeded.ReplicationGroupLocked	Replication group locked
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.Inspection	Inspecting replication group
UnsupportedOperation.InstanceNotOperation	Unsupported operation

CleanUpInstance

Last updated : 2024-04-03 11:33:30

1. API Description

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

This API is used to eliminate an instance in the recycle bin immediately.

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: CleanUpInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
TaskId	Integer	Task ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=CleanUpInstance
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c4ed5948-d156-4931-b9c3-10133a0bb6c9",
    "TaskId": 10856
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalServerError.InternalError	Internal error.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.

ClearInstance

Last updated : 2024-04-03 11:33:29

1. API Description

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

This API is used to clear the data of a Redis 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: ClearInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
Password	No	String	Redis instance password (this parameter is required for password-enabled instances but not for password-free instances)

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=ClearInstance
&InstanceId=crs-5a4py64p
&Password=zy456987
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": 16658,
    "RequestId": "d893c0ac-db57-4e5c-8335-e787b77403b2"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.PasswordEmpty	The password is empty.
InvalidParameterValue.PasswordError	Password verification error due to incorrect password.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

CloseSSL

Last updated : 2024-04-03 11:33:28

1. API Description

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

This API is used to disable SSL.

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: CloseSSL.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
TaskId	Integer	Task ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if

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

4. Example

Example1 Disabling SSL request

Input Example

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

{
  "InstanceId": "crs-2btr****"
}
```

Output Example

```
{
  "Response": {
    "TaskId": 329,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.InstanceNotOperation	Unsupported operation
UnsupportedOperation.LimitProxyVersion	The instance version is too low.

CreateInstanceAccount

Last updated : 2024-04-03 11:33:27

1. API Description

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

This API is used to customize the account for accessing 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: CreateInstanceAccount.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceid	Yes	String	Instance ID.
AccountName	Yes	String	Custom the name of the database to access. - Contains only letters, digits, underscores, and hyphens. - The length cannot exceed 32 characters.
AccountPassword	Yes	String	Set a password for the customized account. The password complexity requirements are as follows: - Value range: [8, 32]. - Contains at least two types of characters from the following categories: lowercase letters, uppercase letters, digits, and characters ()~!@#\$%^&*~+=_ {}[]:;<>,.? /.- Cannot start with "/".

ReadonlyPolicy.N	Yes	Array of String	The read requests for the designated account are routed to either the master node or replica nodes. If the Read-Only Replica is not enabled, the selection of replica nodes is not supported. - master: Master node.- replication: Replica node.
Privilege	Yes	String	The read/write permission of the account supports the selection of read-only and read/write permissions. - r: read-only - rw: Read/Write permission.
Remark	No	String	Sub-account description information, with a length of [0, 64] bytes, supports Chinese characters.

3. Output Parameters

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

4. Example

Example1 Sample Request

Input Example

```
https://redis.tencentcloudapi.com/?Action=CreateInstanceAccount
&InstanceId=crs-evst****
&AccountName=redis_dev
&AccountPassword=c1evuh****
&ReadonlyPolicy.0=master
&Privilege=rw
&Remark="Development account"
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": 123456,
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

CreateReplicationGroup

Last updated : 2024-04-15 11:08:59

1. API Description

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

This API is used to create a replication 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: CreateReplicationGroup.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Specifies the ID of the primary instance in the replication group.
GroupName	No	String	Replication group name. It supports only Chinese characters, letters, digits, underscores (_), and hyphens (-), with a length of 2-64 characters.
Remark	No	String	Remark information.

3. Output Parameters

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

4. Example

Example1 Request Sample

This example shows you how to create a replication group.

Input Example

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

{
  "InstanceId": "crs-5qlr****",
  "GroupName": "name"
}
```

Output Example

```
{
  "Response": {
    "TaskId": 327,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.InstanceNameRuleError	A renaming rule error occurred.
InvalidParameterValue.NotRepeatBind	The instance has already been bound.
InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.
InvalidParameterValue.SpecNotExist	The instance specification doesn't exist.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
LimitExceeded.InstanceNotEmpty	The bound instance must not be specified.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.

ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnsupportedOperation.LimitProxyVersion	The instance version is too low.

DeleteInstanceAccount

Last updated : 2024-04-03 11:33:26

1. API Description

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

This API is used to delete an instance sub-account.

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: DeleteInstanceAccount.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
AccountName	Yes	String	Sub-account name

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DeleteInstanceAccount
&InstanceId=crs-5a4py64p
&AccountName=test
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": 123456,
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

DeleteReplicationInstance

Last updated : 2024-04-15 11:08:58

1. API Description

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

This API is used to remove replication group members. Note: The API is being deprecated. Please use RemoveReplicationInstance instead.

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: DeleteReplicationInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
GroupId	Yes	String	Replication group ID.
InstanceId	Yes	String	Instance ID.
SyncType	Yes	Boolean	Data synchronization type. Valid values: true (Strong synchronization is required.) and false (Strong synchronization is not required. This value applies only to primary instance deletion.)

3. Output Parameters

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

4. Example

Example1 Request Sample

Input Example

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

{
  "InstanceId": "crs-sa5dsfs",
  "SyncType": true,
  "GroupId": "crs-rpl-sa5dsfs"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "c4ed5948-d156-4931-b9c3-10133a0bb6c9",
    "TaskId": 10856
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.
LimitExceeded.ReplicationGroupLocked	Replication group locked
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.Inspection	Inspecting replication group
UnsupportedOperation.InstanceNotOperation	Unsupported operation

DescribeAutoBackupConfig

Last updated : 2024-04-03 11:33:25

1. API Description

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

This API is used to get the configuration rules for an automatic 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: DescribeAutoBackupConfig.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of the specified instance, such as "crs-xjhsdj*****" Log in to the Redis console and copy the instance ID in the instance list.

3. Output Parameters

Parameter Name	Type	Description
AutoBackupType	Integer	This parameter is retained due to compatibility and can be ignored.

WeekDays	Array of String	Backup cycle, which will be daily by default. Valid values: Monday , Tuesday , Wednesday , Thursday , Friday , Saturday , Sunday .
TimePeriod	String	Time period for backup task initialization
BackupStorageDays	Integer	Retention time of full backup files in days. Default value: 7 . To retain the files for more days, submit a ticket for application.
BinlogStorageDays	Integer	This parameter has been disused.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to query the automatic backup rules for a specified instance.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeAutoBackupConfig&InstanceId=crs-5a4p****&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "65e950b9-78e8-49b1-9200-0e62a1925559",
    "BackupStorageDays": 7,
    "BinlogStorageDays": 7,
    "AutoBackupType": 1,
    "WeekDays": [
      "Monday",
      "Tuesday"
    ],
    "TimePeriod": "01:00-02:00"
  }
}
```

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

- [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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

DescribeBandwidthRange

Last updated : 2024-04-03 11:33:25

1. API Description

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

This API is used to query the information of instance bandwidth.

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: DescribeBandwidthRange.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
BaseBandwidth	Integer	Standard bandwidth, which is the bandwidth allocated by the system to each node when an instance is purchased.

AddBandwidth	Integer	The additional bandwidth of the instance. If the standard bandwidth does not meet your needs, you can increase the bandwidth on your own. <ul style="list-style-type: none">If read-only replica is enabled, the total instance bandwidth = additional bandwidth * shard quantity + standard bandwidth * shard quantity * Max ([read-only replica quantity, 1]). The shard quantity in the standard architecture is 1.If read-only replica is not enabled, the total instance bandwidth = additional bandwidth * shard quantity + standard bandwidth * shard quantity. The shard quantity in the standard architecture is 1.
MinAddBandwidth	Integer	The lower limit for additional bandwidth
MaxAddBandwidth	Integer	The upper limit for additional bandwidth
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

Input Example

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

{
  "InstanceId": "crs-sa5****"
}
```

Output Example

```
{
  "Response": {
    "MinAddBandwidth": 0,
    "MaxAddBandwidth": 0,
    "BaseBandwidth": 0,
    "AddBandwidth": 0,
  }
}
```

```
"RequestId": "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
AuthFailure	CAM signature/authentication error.
AuthFailure.InvalidAuthorization	Invalid authorization.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError	Internal error.
InvalidParameter.IllegalParameterError	Invalid parameter.

InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameterValue	Incorrect parameter value.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.

DescribeInstanceAccount

Last updated : 2024-04-03 11:33:23

1. API Description

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

This API is used to query the information of an instance sub-account.

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: DescribeInstanceAccount.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhsdj*****" Log in to the Redis console and copy the instance ID in the instance list.
Limit	Yes	Integer	Number of entries per page
Offset	Yes	Integer	Pagination offset, which is an integral multiple of <code>Limit</code> . Calculation formula: <code>offset = limit * (page number - 1)</code> .

3. Output Parameters

Parameter Name	Type	Description
Accounts	Array of Account	Account details Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	Number of accounts Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to query the account information of a specified instance.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceAccount&InstanceId=crs-5a4py64p&Limit=10&Offset=0<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Accounts": [
      {
        "AccountName": "root",
        "InstanceId": "crs-mufy7q15",
        "Privilege": "rw",
        "ReadonlyPolicy": [
          "master",
          "replication"
        ],
        "Remark": "default",
        "Status": 2
      }
    ],
    "RequestId": "b97a9706-dee2-4d5c-8f2d-84873bc79629",
    "TotalCount": 1
  }
}
```

```
}  
}
```

5. Developer Resources

SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

DescribeInstanceDTSInfo

Last updated : 2024-04-03 11:33:23

1. API Description

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

This API is used to query the DTS task details 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: DescribeInstanceDTSInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
JobId	String	DTS task ID

		Note: This field may return null, indicating that no valid values can be obtained.
JobName	String	DTS task name Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Task status. Valid values: 1 (Creating), 3 (Checking), 4 (CheckPass), 5 (CheckNotPass), 7 (Running), 8 (ReadyComplete), 9 (Success), 10 (Failed), 11 (Stopping), 12 (Completing) Note: This field may return null, indicating that no valid values can be obtained.
StatusDesc	String	Status description Note: This field may return null, indicating that no valid values can be obtained.
Offset	Integer	Sync latency in bytes Note: This field may return null, indicating that no valid values can be obtained.
CutDownTime	String	Disconnection time Note: This field may return null, indicating that no valid values can be obtained.
SrcInfo	DescribeInstanceDTSInstanceInfo	Source instance information Note: This field may return null, indicating that no valid values can be obtained.
DstInfo	DescribeInstanceDTSInstanceInfo	Target instance information Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceDTSInfo
&InstanceId=crs-6ia1c1c3
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "CutDownTime": "2019-08-16 17:10:13",
    "DstInfo": {
      "InstanceId": "crs-jufvqtt7",
      "InstanceName": "dtsdsttest28",
      "RegionId": 1,
      "SetId": 15005,
      "Status": 1,
      "Type": 2,
      "Vip": "172.16.16.48",
      "ZoneId": 100002
    },
    "JobId": "dts-l2g434lt",
    "JobName": "redis_dts_test28",
    "Offset": 0,
    "RequestId": "f5ff1c8e-7ea4-40a8-b179-8a99c6f7085b",
    "SrcInfo": {
      "InstanceId": "crs-6ia1c1c3",
      "InstanceName": "dtsSrctest28",
      "RegionId": 1,
      "SetId": 15005,
      "Status": -4,
      "Type": 2,
      "Vip": "172.16.16.9",
      "ZoneId": 100002
    },
    "Status": 10,
    "StatusDesc": "Failed"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.

DescribeInstanceZoneInfo

Last updated : 2024-04-03 11:33:19

1. API Description

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

This API is used to query the details of a Redis node.

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: DescribeInstanceZoneInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceid	No	String	ID of a specified instance, such as "crs-xjhdsj****" Log in to the Redis console and copy the instance ID in the instance list.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of instance node groups

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

4. Example

Example1 Sample request

This example shows you how to query the node information of a specified instance.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceZoneInfo&InstanceId=crs-6t17***&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ReplicaGroups": [
      {
        "GroupId": 125101,
        "GroupName": "",
        "ZoneId": "ap-guangzhou-2",
        "Role": "master",
        "RedisNodes": [
          {
            "Keys": 39,
            "Slot": "0-16383",
            "Status": "normal",
            "Role": "master",
            "NodeId": "5f83a663d58f092f4791630065cb3a76c50b40a5"
          }
        ]
      },
      {
        "GroupId": 125102,
        "GroupName": "ng-1",
        "ZoneId": "ap-guangzhou-3",
        "Role": "replica",

```

```
"RedisNodes": [
  {
    "Keys": 0,
    "Slot": "",
    "Status": "normal",
    "Role": "replica",
    "NodeId": "bdc6d645f4741948cf51f93f7013edd64f44c3ba"
  }
],
"RequestId": "e3d683fc-f2ff-43c9-980d-fae7a1166abc",
"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++](#)

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter	Incorrect parameter.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

DescribeInstances

Last updated : 2024-04-03 11:33:19

1. API Description

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

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

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: DescribeInstances.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Limit	No	Integer	Number of instances returned per page. Default value: <code>20</code> . Maximum value: <code>1000</code> .
Offset	No	Integer	Pagination offset, which is an integral multiple of <code>Limit</code> . Calculation formula: <code>offset = limit * (page number - 1)</code> .
InstanceId	No	String	ID of a specified instance, such as "crs-xjhdsj*****" Log in to the Redis console and copy the instance ID in the

			instance list.
OrderBy	No	String	The instance list is sorted according to the following enumeration valid values: - projectId: By project ID.- createtime: By the creation time of instances.- instancename: By the name of instances.- type: By the type of instances.- curDeadline: By the expiration time of instances.
OrderType	No	Integer	For instance sorting order, the default is descending order. - 1: Descending order. - 0: Ascending order.
VpcIds.N	No	Array of String	Array of VPC IDs such as 47525. If this parameter is not passed in or the array is empty, the classic network will be selected by default. This parameter is retained and can be ignored. It is set based on <code>UniqVpcIds</code> parameter format.
SubnetIds.N	No	Array of String	Array of VPC subnet IDs such as 56854. This parameter is retained and can be ignored. It is set based on <code>UniqSubnetIds</code> parameter format.
SearchKey	No	String	Setting keywords field for fuzzy query, only instance names support fuzzy query.
ProjectIds.N	No	Array of Integer	Array of project IDs
InstanceName	No	String	Instance name
UniqVpcIds.N	No	Array of String	Array of VPC IDs such as vpc-sad23jfdfk. If this parameter is not passed in or or the array is empty, the classic network will be selected by default.
UniqSubnetIds.N	No	Array of String	Array of VPC subnet IDs such as subnet-fdj24n34j2
RegionIds.N	No	Array of Integer	Array of region IDs (disused). The corresponding region can be queried through the common parameter <code>Region</code> .
Status.N	No	Array of Integer	Instance status. - 0: To be initialized. - 1: In process. - 2: Running.

			<ul style="list-style-type: none"> - -2: Isolated. - -3: Pending Delete.
TypeVersion	No	Integer	<p>Instance architecture version.</p> <ul style="list-style-type: none"> - 1: Single-node edition. - 2: Master-replica edition.- 3: Cluster edition.
EngineName	No	String	<p>Storage engine information. Valid values: <code>Redis-2.8</code> , <code>Redis-4.0</code> , <code>Redis-5.0</code> , <code>Redis-6.0</code> or <code>CKV</code> .</p>
AutoRenew.N	No	Array of Integer	<p>Renewal pattern.</p> <ul style="list-style-type: none"> - 0: Manual renewal. - 1: Automatic renewal. - 2: No renewal after expiry.
BillingMode	No	String	<p>Billing mode. Only pay-as-you-go billing is supported.</p>
Type	No	Integer	<p>Instance type. Valid values: - <code>2</code> : Redis 2.8 Memory Edition (Standard Architecture). - <code>3</code> : CKV 3.2 Memory Edition (Standard Architecture). - <code>4</code> : CKV 3.2 Memory Edition (Cluster Architecture). - <code>5</code> : Redis 2.8 Memory Edition (Standalone). - <code>6</code> : Redis 4.0 Memory Edition (Standard Architecture). - <code>7</code> : Redis 4.0 Memory Edition (Cluster Architecture). - <code>8</code> : Redis 5.0 Memory Edition (Standard Architecture). - <code>9</code> : Redis 5.0 Memory Edition (Cluster Architecture). - <code>15</code> : Redis 6.2 Memory Edition (Standard Architecture). - <code>16</code> : Redis 6.2 Memory Edition (Cluster Architecture).</p>
SearchKeys.N	No	Array of String	<p>This parameter is of array type and supports the configuration of instance names, instance IDs, and IP addresses. Among these, the instance name is fuzzy matching while the instance ID and IP address are precise matching.</p> <ul style="list-style-type: none"> - Each element in the array is used for a union-based matching query.- When both InstanceId and SearchKeys are configured simultaneously, their intersection will be used for the matching query.
TypeList.N	No	Array of Integer	<p>Internal parameter, which can be ignored.</p>
MonitorVersion	No	String	<p>Internal parameter, which can be ignored.</p>
InstanceTags.N	No	Array of	<p>Resources filter by tag key and value. If this parameter</p>

		InstanceTagInfo	is not specified or is an empty array, resources will not be filtered.
TagKeys.N	No	Array of String	Resources filter by tag key. If this parameter is not specified or is an empty array, resources will not be filtered.
ProductVersions.N	No	Array of String	The product version of the instance. If this parameter is not configured or the array is set to empty, instances will not be filtered based on this parameter by default. - local: local Disk Edition.- cdc: Cluster dedicated edition.
InstanceIds.N	No	Array of String	Batch query of the specified instances ID. The number of results returned is based on <code>Limit</code> .
AzMode	No	String	Availability zone mode. - singleaz: Single availability zone.- multi-az: Multiple availability zones.

3. Output Parameters

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

4. Example

Example1 Sample request

This example shows you how to query the list of Redis instances

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeInstances<Common request parameters>{ "Limit": 2, "Offset": 0, "OrderBy": "createtime" }
```

Output Example

```
{
  "Response": {
    "InstanceSet": [
      {
        "Appid": 251223628,
        "AutoRenewFlag": 0,
        "BillingMode": 1,
        "ClientLimit": 10000,
        "ClientLimitMax": 40000,
        "ClientLimitMin": 10000,
        "CloseTime": "0000-00-00 00:00:00",
        "Createtime": "2023-04-17 11:32:18",
        "CurrentProxyVersion": "5.8.0",
        "CurrentRedisVersion": "6.0.0",
        "DeadlineTime": "2023-05-17 11:32:18",
        "DiskSize": 0,
        "DtsStatus": 0,
        "Engine": "Redis",
        "InstanceId": "crs-4nmzc0ul",
        "InstanceName": "Redis_automation_is_awesome",
        "InstanceNode": [],
        "InstanceTags": [],
        "InstanceTitle": "Adding an instance",
        "MonitorVersion": "5s",
        "NetLimit": 24,
        "NoAuth": false,
        "NodeSet": [
          {
            "NodeId": 336948,
            "NodeType": 0,
            "ZoneId": 100002,
            "ZoneName": ""
          },
          {
            "NodeId": 336946,
            "NodeType": 1,
            "ZoneId": 100003,
            "ZoneName": ""
          }
        ]
      }
    ]
  }
}
```

```
{
  "NodeId": 336947,
  "NodeType": 1,
  "ZoneId": 100004,
  "ZoneName": ""
},
{
  "OfflineTime": "",
  "PasswordFree": 0,
  "PolarisServer": "",
  "Port": 6379,
  "PriceId": 1000848,
  "ProductType": "standalone",
  "ProjectId": 0,
  "ProjectName": "Default project",
  "ReadOnly": 0,
  "RedisReplicasNum": 2,
  "RedisShardNum": 1,
  "RedisShardSize": 4096,
  "Region": "ap-guangzhou",
  "RegionId": 1,
  "RemainBandwidthDuration": "",
  "Size": 4096,
  "SizeUsed": 0,
  "SlaveReadWeight": 0,
  "Status": 1,
  "SubStatus": 37,
  "SubnetId": 2282634,
  "Tags": [],
  "Type": 15,
  "UniqSubnetId": "subnet-1ed4w7to",
  "UniqVpcId": "vpc-mjwornzj",
  "UpgradeProxyVersion": "",
  "UpgradeRedisVersion": "",
  "Vip6": "",
  "VpcId": 11133673,
  "WanAddress": "",
  "WanIp": "10.0.1.61",
  "ZoneId": 100002
},
{
  "Appid": 251223628,
  "AutoRenewFlag": 0,
  "BillingMode": 1,
  "ClientLimit": 10000,
  "ClientLimitMax": 40000,
  "ClientLimitMin": 10000,
```

```
"CloseTime": "0000-00-00 00:00:00",
"Createtime": "2023-04-17 11:47:02",
"CurrentProxyVersion": "5.5.0",
"CurrentRedisVersion": "92.0.0",
"DeadlineTime": "2023-05-17 11:47:01",
"DiskSize": 0,
"DtsStatus": 0,
"Engine": "Redis",
"InstanceId": "crs-46njvft9",
"InstanceName": "Redis_automation_is_awesome",
"InstanceNode": [],
"InstanceTags": [],
"InstanceTitle": "Running",
"MonitorVersion": "5s",
"NetLimit": 24,
"NoAuth": false,
"NodeSet": [
  {
    "NodeId": 336951,
    "NodeType": 0,
    "ZoneId": 100002,
    "ZoneName": ""
  },
  {
    "NodeId": 336949,
    "NodeType": 1,
    "ZoneId": 100003,
    "ZoneName": ""
  },
  {
    "NodeId": 336950,
    "NodeType": 1,
    "ZoneId": 100004,
    "ZoneName": ""
  }
],
"OfflineTime": "",
"PasswordFree": 0,
"PolarisServer": "",
"Port": 6379,
"PriceId": 1000848,
"ProductType": "standalone",
"ProjectId": 0,
"ProjectName": "Default project",
"ReadOnly": 0,
"RedisReplicasNum": 2,
"RedisShardNum": 1,
```

```
"RedisShardSize": 4096,
"Region": "ap-guangzhou",
"RegionId": 1,
"RemainBandwidthDuration": "",
"Size": 4096,
"SizeUsed": 0,
"SlaveReadWeight": 0,
"Status": 2,
"SubStatus": 19,
"SubnetId": 2282634,
"Tags": [],
"Type": 6,
"UniqSubnetId": "subnet-1ed4w7to",
"UniqVpcId": "vpc-mjwornzj",
"UpgradeProxyVersion": "",
"UpgradeRedisVersion": "",
"Vip6": "",
"VpcId": 11133673,
"WanAddress": "",
"WanIp": "10.0.1.71",
"ZoneId": 100002
}
],
"RequestId": "3fb5a4d2-680c-45a2-aa88-0213b76d1489",
"TotalCount": 8
}
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter	Incorrect parameter.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnsupportedOperation	The operation is not supported.

DescribeProxySlowLog

Last updated : 2024-04-03 11:33:17

1. API Description

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

This API is used to query the slow queries of the 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: DescribeProxySlowLog.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhsdj*****" Log in to the Redis console and copy the instance ID in the instance list.
BeginTime	Yes	String	Start time of slow query
EndTime	Yes	String	End time of slow query
MinQueryTime	No	Integer	Slow query threshold in milliseconds
Limit	No	Integer	Number of results per page. Default value: 20 . Value range: [20,1000].

Offset	No	Integer	Offset, which is an integral multiple of <code>Limit</code> .
--------	----	---------	---

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of slow queries
InstanceProxySlowLogDetail	Array of InstanceProxySlowlogDetail	Slow query details
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to query the slow log record of a specified instance.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeProxySlowLog&InstanceId=crs-asd
a****&BeginTime=2019-09-08 12:12:41&EndTime=2019-09-09 12:12:41<Common request p
arameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 106980,
    "InstanceProxySlowLogDetail": [
      {
        "Duration": 45,
        "ExecuteTime": "2019-09-08 12:13:08",
        "CommandLine": "hget hash_key classify_scope::default",
        "Client": "172.16.21.78",
```

```
"Command": "hget"  
}  
],  
"RequestId": "121d5b40-d2b8-11e9-8c40-ef686158cbd6"  
}  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter.EmptyParam	The parameter is empty.

InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

DescribeSlowLog

Last updated : 2024-04-03 11:33:15

1. API Description

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

This API is used to query the records of slow query.

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: DescribeSlowLog.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceid	Yes	String	ID of a specified instance, such as "crs-xjhsdj****" Log in to the Redis console and copy the instance ID in the instance list.
BeginTime	Yes	String	Start time for prequerying a slow log
EndTime	Yes	String	End time for prequerying a slow log
MinQueryTime	No	Integer	The average execution time threshold of slow query in microseconds
Limit	No	Integer	Number of slow queries displayed per page. Default value: 20 . Value range: [20,1000].

Offset	No	Integer	Slow query offset, which is an integral multiple of <code>Limit</code> . Calculation formula: <code>offset = limit * (page number - 1)</code> .
Role	No	String	Node role. - master: Master node.- slave: Replica node.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of slow queries
InstanceSlowlogDetail	Array of InstanceSlowlogDetail	Due to the naming irregularity of this parameter. It is recommended to use the parameter InstanceSlowLogDetail instead. Details of slow queries.
InstanceSlowLogDetail	Array of InstanceSlowlogDetail	Details of slow queries.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Query Slow Query Logs of the Instance

This example shows you how to query detailed information about slow queries for a specific instance through the DescribeSlowLog API, including the slow query commands, command line information, latency time, client addresses, and node IDs.

Input Example

```
POST / HTTP/1.1
Host: redis.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSlowLog
<Common request parameters>
{
  "InstanceId": "crs-asda****",
  "EndTime": "2019-09-09 12:12:41",
```

```
"BeginTime": "2019-09-08 12:12:41"
}
```

Output Example

```
{
  "Response": {
    "InstanceSlowlogDetail": [
      {
        "Node": "833a2f6d8b402319aee8ad7f1c0fbbf7*****",
        "Command": "hget",
        "CommandLine": "hget hash_key classify_scope::default",
        "Duration": 45,
        "ExecuteTime": "2019-09-08 12:13:08",
        "Client": ""
      },
      {
        "Node": "833a2f6d8b402319aee8ad7f1c0fbbf7*****",
        "Command": "keys",
        "CommandLine": "keys OtherResControler:orion.ovs.client.1514259512471:orion.ovs.e
ntprise.9281083591:sence:*",
        "Duration": 41,
        "ExecuteTime": "2019-09-08 12:13:08",
        "Client": ""
      },
      {
        "Node": "24a05f0d545da235f07a5bc5deebb937*****",
        "Command": "get",
        "CommandLine": "get slot::fsm::status::orion.ovs.client.1508751991541::1db7ffcf92
16bc1fd939e6c710514f6fb40fd4fe1525f",
        "Duration": 41,
        "ExecuteTime": "2019-09-08 12:13:08",
        "Client": ""
      }
    ],
    "RequestId": "121d5b40-d2b8-11e9-8c40-ef686158cbd6",
    "TotalCount": 106980
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

DescribeTendisSlowLog

Last updated : 2024-04-03 11:33:13

1. API Description

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

This API is used to query slow queries of a Tendis 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: DescribeTendisSlowLog.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID in the format of crs-ngvou0i1
BeginTime	Yes	String	Start time in the format of 2019-09-08 12:12:41
EndTime	Yes	String	End time in the format of 2019-09-09 12:12:41
MinQueryTime	No	Integer	Slow query threshold in ms
Limit	No	Integer	Maximum number of results returned per page. Default value: 20.
Offset	No	Integer	Offset, which is an integral multiple of <code>Limit</code> .

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of slow queries
TendisSlowLogDetail	Array of TendisSlowLogDetail	Slow query details
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeTendisSlowLog
&InstanceId=crs-asdasdas
&BeginTime=2019-09-08 12:12:41
&EndTime=2019-09-09 12:12:41
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 106980,
    "TendisSlowLogDetail": [
      {
        "Node": "833a2f6d8b402319aee8ad7f1c0fbbf7a6604337",
        "Command": "hget",
        "CommandLine": "hget hash_key classify_scope::default",
        "Duration": 45,
        "ExecuteTime": "2019-09-08 12:13:08"
      }
    ],
    "RequestId": "121d5b40-d2b8-11e9-8c40-ef686158cbd6"
  }
}
```

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.Unknown	Invalid data is entered for weekday.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

DestroyPostpaidInstance

Last updated : 2024-04-03 11:33:12

1. API Description

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

This API is used to terminate a pay-as-you-go 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: DestroyPostpaidInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
TaskId	Integer	Task ID

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

4. Example

Example1 Terminating pay-as-you-go instance

Input Example

```
https://redis.tencentcloudapi.com/?Action=DestroyPostpaidInstance
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": "6954227",
    "RequestId": "4daddc97-0005-45d8-b5b8-38514ec1e97c"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

DestroyPrepaidInstance

Last updated : 2024-04-03 11:33:11

1. API Description

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

This API is used to return a monthly subscribed 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: DestroyPrepaidInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
DealId	String	Order ID

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

4. Example

Example1 Returning monthly subscribed instance

Input Example

```
https://redis.tencentcloudapi.com/?Action=DestroyPrepaidInstance
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2d4387ee-2011-449e-a32b-87f9366f3ef4",
    "DealId": "6977675"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceDeleted	The instance has already been repossessed.
ResourceUnavailable.InstanceIsolated	The instance has expired.
ResourceUnavailable.InstanceNoDeal	The order does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.

DisableReplicaReadonly

Last updated : 2024-04-03 11:33:11

1. API Description

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

This API is used to disable read/write separation.

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: DisableReplicaReadonly.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
TaskId	Integer	Task ID

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

4. Example

Example1 Disabling read/write separation

Input Example

```
https://redis.tencentcloudapi.com/?Action=DisableReplicaReadonly
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2d4387ee-2011-449e-a32b-87f9366f3ef4",
    "TaskId": 15236
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceUnavailable.CallOssError	Failed to call the backend API.

EnableReplicaReadonly

Last updated : 2024-04-03 11:33:10

1. API Description

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

This API is used to enable read/write separation.

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: EnableReplicaReadonly.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ReadonlyPolicy.N	No	Array of String	Account routing policy. If <code>master</code> or <code>replication</code> is entered, it means to route to the master or replica node; if this parameter is left empty, it means to write into the master node and read from the replica node by default.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
Status	String	Valid values: <code>ERROR</code> , <code>OK</code> . This field has been disused. Note: This field may return null, indicating that no valid values can be obtained.
TaskId	Integer	Task ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling read/write separation

Input Example

```
https://redis.tencentcloudapi.com/?Action=EnableReplicaReadonly
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2d4387ee-2011-449e-a32b-87f9366f3ef4",
    "Status": "OK",
    "TaskId": 21312
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceUnavailable.CallOssError	Failed to call the backend API.
ResourceUnavailable.InstanceConfError	An instance configuration error occurred.

InquiryPriceCreateInstance

Last updated : 2024-04-03 11:33:09

1. API Description

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

This API is used to query the price for purchasing 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: InquiryPriceCreateInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
TypeId	Yes	Integer	Instance type. Valid values: 2 (Redis 2.8 memory edition in standard architecture), 3 (CKV 3.2 memory edition in standard architecture), 4 (CKV 3.2 memory edition in cluster architecture), 6 (Redis 4.0 memory edition in standard architecture), 7 (Redis 4.0 memory edition in cluster architecture), 8 (Redis 5.0 memory edition in standard architecture), 9 (Redis 5.0 memory edition in cluster architecture).
MemSize	Yes	Integer	Memory capacity in MB, which must be a multiple of 1,024. It is subject to the purchasable specifications returned by the

			DescribeProductInfo API . If <code>TypeId</code> indicates the standard architecture, <code>MemSize</code> indicates the total memory capacity of an instance; if <code>TypeId</code> indicates the cluster architecture, <code>MemSize</code> indicates the memory capacity per shard.
GoodsNum	Yes	Integer	Number of instances. The actual quantity purchasable at a time is subject to the specifications returned by the DescribeProductInfo API .
Period	Yes	Integer	Length of purchase in months, which is required when creating a monthly-subscribed instance. Value range: [1,2,3,4,5,6,7,8,9,10,11,12,24,36]. For pay-as-you-go instances, set the parameter to <code>1</code> .
BillingMode	Yes	Integer	Billing mode. Valid values: <code>0</code> (pay-as-you-go), <code>1</code> (monthly subscription).
Zoneld	No	Integer	ID of the AZ where the instance resides. For more information, see Regions and AZs .
RedisShardNum	No	Integer	Instance shard quantity. This field is not required by Redis 2.8 standard architecture, CKV standard architecture, Redis 2.8 standalone edition, and Redis 4.0 standard architecture.
RedisReplicasNum	No	Integer	Instance replica quantity. This field is not required by Redis 2.8 standard architecture, CKV standard architecture, and Redis 2.8 standalone edition.
ReplicasReadOnly	No	Boolean	Whether to support read-only replicas. This field is not required by Redis 2.8 standard architecture, CKV standard architecture, and Redis 2.8 standalone edition.
ZoneName	No	String	Name of the AZ where the instance resides. For more information, see Regions and AZs .
ProductVersion	No	String	Valid values: <code>local</code> (local disk edition), <code>cloud</code> (cloud disk edition), <code>cdc</code> (dedicated cluster edition). Default value: <code>local</code> (local disk edition)

3. Output Parameters

Parameter Name	Type	Description

Price	Float	Price. Unit: USD (accurate down to the cent) Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample

Input Example

```
https://redis.tencentcloudapi.com/?Action=InquiryPriceCreateInstance
&ZoneId=100002
&TypeId=6
&MemSize=4096
&GoodsNum=1
&Period=1
&BillingMode=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Price": 30400,
    "RequestId": "0115d979-2c38-4ad2-b282-bec09d5b4c0b"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.SpecNotExist	The instance specification doesn't exist.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

InquiryPriceUpgradeInstance

Last updated : 2024-04-03 11:33:09

1. API Description

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

This API is used to query the price for scaling 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: InquiryPriceUpgradeInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID.
MemSize	Yes	Integer	Shard size in MB.
RedisShardNum	No	Integer	Number of shards. This parameter can be left blank for Redis 2.8 in standard architecture, CKV in standard architecture, and Redis 2.8 in standalone architecture.
RedisReplicasNum	No	Integer	Number of replicas. This parameter can be left blank for Redis 2.8 in standard architecture, CKV in standard architecture, and Redis 2.8 in standalone architecture.

3. Output Parameters

Parameter Name	Type	Description
Price	Float	Price. Unit: USD Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample

Input Example

```
https://redis.tencentcloudapi.com/?Action=InquiryPriceUpgradeInstance
&<Common request parameters>
&InstanceId=crs-xjhsdjcxjd
&MemSize=4096
```

Output Example

```
{
  "Response": {
    "Price": 30400,
    "RequestId": "0115d979-2c38-4ad2-b282-bec09d5b4c01"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.ReduceCapacityNotAllowed	The request capacity is too small. Capacity reduction is not supported.
InvalidParameterValue.SpecNotExist	The instance specification doesn't exist.
LimitExceeded.MemSizeNotInRange	The requested capacity is out of the purchasable capacity range.
ResourceUnavailable.InstanceStateError	Instance status error.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

KillMasterGroup

Last updated : 2024-04-03 11:33:08

1. API Description

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

This API is used to simulate the failure.

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: KillMasterGroup.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhsdj****" Log in to the Redis console and copy the instance ID in the instance list.
Password	No	String	A parameter used to configure the access password for a specified instance. If password-free authentication is enabled, this parameter will not be required. Required password strength. - It must contains 8-30 characters. We recommend that you use a password of more than 12 characters. - It must contain at least two of the following types: lowercase letters, uppercase letters, digits, and symbols ((`~!@#\$\$%^&*~+=_[]{} ;:<>.,?/), and it cannot start with a slash (/).
ShardIds.N	No	Array	Shard ID of a sharded cluster

		of Integer	
--	--	---------------	--

3. Output Parameters

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

4. Example

Example1 Sample request

This example shows you how to simulate a failure.

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: KillMasterGroup<Common request parameters>{ "InstanceId": "crs-joak5XXX", "Password": "pwd@1234", "ShardIds": [ 0 ]}
```

Output Example

```
{
  "Response": {
    "RequestId": "da6b0bea-7aab-4d4b-b819-d524f4c9eXXX",
    "TaskId": 1682324000
  }
}
```

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.
AuthFailure.InvalidAuthorization	Invalid authorization.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.InternalError	Internal error.
InvalidParameter.IllegalParameterError	Invalid parameter.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.PasswordEmpty	The password is empty.
InvalidParameterValue.PasswordError	Password verification error due to incorrect password.
InvalidParameterValue.PasswordRuleError	When the password is set, the old password passed in by MC does not match the previously set password.

ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceNotSupportOperation	Instances in this status do not support the operation.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

ModifyAutoBackupConfig

Last updated : 2024-04-03 11:33:07

1. API Description

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

This API is used to set the configuration for an automatic 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: ModifyAutoBackupConfig.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhdsj****" Log in to the Redis console and copy the instance ID in the instance list.
WeekDays.N	Yes	Array of String	Automatic backup cycle. Valid values: <code>Monday</code> , <code>Tuesday</code> , <code>Wednesday</code> , <code>Thursday</code> , <code>Friday</code> , <code>Saturday</code> , <code>Sunday</code> . This parameter currently cannot be modified.
TimePeriod	Yes	String	Automatic backup time in the format of 00:00-01:00, 01:00-02:00... 23:00-00:00.
AutoBackupType	No	Integer	Automatic backup type. Valid value: <code>1</code> (scheduled backup).

3. Output Parameters

Parameter Name	Type	Description
AutoBackupType	Integer	Automatic backup type. Valid value: 1 (scheduled backup).
WeekDays	Array of String	Automatic backup cycle. Valid values: Monday , Tuesday , Wednesday , Thursday , Friday , Saturday , Sunday .
TimePeriod	String	Time period for automatic scheduled backup in the format of "00:00-01:00, 01:00-02:00..... 23:00-00:00".
BackupStorageDays	Integer	Retention time of full backup files in days
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to automatically back up the configuration.

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: ModifyAutoBackupConfig<Common request parameters>{ "InstanceId": "crs-5a4py64p", "AutoBackupType": "1", "TimePeriod": "00%3A00-01%3A00", "WeekDays": [ "Wednesday" ] }
```

Output Example

```
{
  "Response": {
    "BackupStorageDays": 7,
    "AutoBackupType": 1,
    "WeekDays": [
      "Wednesday"
    ],
    "RequestId": "65e950b9-78e8-49b1-9200-0e62a1925554",
    "TimePeriod": "00:00-01:00"
  }
}
```

```
}  
}
```

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

- [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.Unknown	Invalid data is entered for weekday.
InternalServerError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.NotSupported	The operation is unsupported due to incorrect parameters.
InvalidParameter.Period	The time format or time range is invalid.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.WeekDaysIsInvalid	Invalid data is entered for <code>weekday</code> .

ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

ModifyInstance

Last updated : 2024-04-03 11:33:06

1. API Description

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

This API is used to modify instance information.

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: ModifyInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Operation	Yes	String	Instance modification type. rename: rename an instance; modifyProject: modify the project of an instance; modifyAutoRenew: modify the auto-renewal flag of an instance.
InstanceIds.N	No	Array of String	Instance ID
InstanceNames.N	No	Array of String	New name of the instance
ProjectId	No	Integer	Project ID

AutoRenews.N	No	Array of Integer	Auto-renewal flag. 0: default status (manual renewal); 1: auto-renewal enabled; 2: auto-renewal disabled
InstanceId	No	String	Disused
InstanceName	No	String	Disused
AutoRenew	No	Integer	Disused

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=ModifyInstance
&Operation=rename
&InstanceIds.0=crs-r3nqjq3n
&InstanceNames.0=newname1
&InstanceIds.1=crs-9bvd9b8v
&InstanceNames.1=newname2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6d1e8909-496a-4f27-ad0d-2e4a069b52c0"
  }
}
```


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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.
UnsupportedOperation.IsAutoRenewError	There is an error with the auto-renewal flag.
UnsupportedOperation.OnlyClusterInstanceCanExportBackup	Only Cluster Edition instances support backup exporting.

ModifyInstanceAccount

Last updated : 2024-04-03 11:33:05

1. API Description

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

This API is used to modify an instance sub-account.

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: ModifyInstanceAccount.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
AccountName	Yes	String	Sub-account name. If the root account is to be modified, enter <code>root</code> .
AccountPassword	No	String	Sub-account password
Remark	No	String	Sub-account description information
ReadOnlyPolicy.N	No	Array of String	Routing policy. Valid values: master (master node); replication (replica node)

Privilege	No	String	Sub-account read/write policy. Valid values: r (read-only); w (write-only); rw (read/write).
NoAuth	No	Boolean	true: make the root account password-free. This is applicable to root accounts only. Sub-accounts cannot be made password-free.

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=ModifyInstanceAccount
&InstanceId=crs-5a4py64p
&AccountName=test
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": 123456,
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceUnavailable.GetSecurityError	Failed to get the security group information.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

ModifyInstanceReadOnly

Last updated : 2024-04-03 11:33:04

1. API Description

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

This API is used to set instance input mode.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyInstanceReadOnly.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
InputMode	Yes	String	Instance input mode. Valid values: <code>0</code> (read/write), <code>1</code> (read-only)

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=ModifyInstanceReadOnly
&InstanceId=crs-5a4py64p
&InputMode=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": 0,
    "RequestId": "c07beb69-a8f0-4e09-9655-68e59677a7f1"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
ResourceNotFound	The resource doesn't exist.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.

ModifyMaintenanceWindow

Last updated : 2024-04-03 11:33:03

1. API Description

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

This API is used to modify the instance maintenance time. The maintenance time specifies a time period during which compatible version upgrade, architecture upgrade, backend maintenance, and other operations can be performed to avoid affecting business. Note: if the compatible version upgrade or architecture upgrade task has been initiated for an instance, its maintenance time cannot be modified.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyMaintenanceWindow.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
StartTime	Yes	String	Maintenance start time, such as 17:00
EndTime	Yes	String	Maintenance end time, such as 19:00

3. Output Parameters

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

4. Example

Example1 Sample

Input Example

```
https://redis.tencentcloudapi.com/?Action=ModifyMaintenanceWindow
&InstanceId=crs-5a4py64p
&StartTime=03:00
&EndTime=06:00
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Status": "success",
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.
UnsupportedOperation.IsAutoRenewError	There is an error with the auto-renewal flag.

ModifyNetworkConfig

Last updated : 2024-04-03 11:33:03

1. API Description

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

This API is used to modify the network configuration 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: ModifyNetworkConfig.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
Operation	Yes	String	Network change type. Valid values: <ul style="list-style-type: none"> <code>changeVip</code> : VPC change, including the private IPv4 address and port. <code>changeVpc</code> : Subnet change. <code>changeBaseToVpc</code> : Change from classic network to VPC. <code>changeVPort</code> : Port change.
Vip	No	String	Private IPv4 address of the instance, which is required if <code>Operation</code> is <code>changeVip</code> .

VpcId	No	String	VPC ID after the change, which is required if <code>Operation</code> is <code>changeVpc</code> or <code>changeBaseToVpc</code> .
SubnetId	No	String	Subnet ID after the change, which is required if <code>Operation</code> is <code>changeVpc</code> or <code>changeBaseToVpc</code> .
Recycle	No	Integer	Retention period of the original private IPv4 address - Unit: Days. - Valid values: <code>0</code> , <code>1</code> , <code>2</code> , <code>3</code> , <code>7</code> , <code>15</code> . Note: You can set the retention period of the original address only in the latest SDK. In earlier SDKs, the original address is released immediately. To view the SDK version, go to SDK Center .
VPort	No	Integer	Network port after the change, which is required if <code>Operation</code> is <code>changeVPort</code> or <code>changeVip</code> . Value range: [1024,65535].

3. Output Parameters

Parameter Name	Type	Description
Status	Boolean	Execution status. Ignore this parameter.
SubnetId	String	New subnet ID of the instance
VpcId	String	New VPC ID of the instance
Vip	String	New private IPv4 address of the instance
TaskId	Integer	Task ID, which can be used to query the task execution status through the <code>DescribeTaskInfo</code> API.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the network configuration of an instance

This example shows you how to modify the VPC of an instance.

Input Example

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

{
  "InstanceId": "crs-5a4p****",
  "Operation": "changeVip"
}
```

Output Example

```
{
  "Response": {
    "Status": true,
    "Vip": "192.168.1.1",
    "VpcId": "vpc-hu6khgap",
    "SubnetId": "subnet-6mt7lir6",
    "TaskId": 0,
    "RequestId": "f1b5aabe-806a-4886-b839-9907baa24c85"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.NotSupported	The operation is unsupported due to incorrect parameters.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.CheckNotPass	Business verification failed
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
ResourceUnavailable.InstanceUnLockedError	The instance has been locked by another process.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

OpenSSL

Last updated : 2024-04-03 11:33:02

1. API Description

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

This API is used to enable SSL.

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: OpenSSL.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
TaskId	Integer	Task ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if

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

4. Example

Example1 Enabling SSL request

Input Example

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

{
  "InstanceId": "xx"
}
```

Output Example

```
{
  "Response": {
    "TaskId": 329,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.InstanceNotOperation	Unsupported operation
UnsupportedOperation.LimitProxyVersion	The instance version is too low.

ReleaseWanAddress

Last updated : 2024-04-03 11:33:01

1. API Description

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

This API is used to disable public network access.

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: ReleaseWanAddress.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Instance ID.

3. Output Parameters

Parameter Name	Type	Description
FlowId	Integer	Async task ID

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

4. Example

Example1 Disabling public network instance

Input Example

```
https://redis.tencentcloudapi.com/?Action=ReleaseWanAddress
&InstanceId=crs-5qlrlhux
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "FlowId": 327,
    "WanStatus": "Disabling public network access",
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

RenewInstance

Last updated : 2024-04-03 11:33:00

1. API Description

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

This API is used to renew 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: RenewInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Period	Yes	Integer	Validity period in months
InstanceId	Yes	String	Instance ID
ModifyPayMode	No	String	The parameter used to determine whether to modify the billing mode. <ul style="list-style-type: none">If you want to change the billing mode from pay-as-you-go to monthly subscription, specify this parameter as prepaid.If the current instance is monthly subscribed, this parameter is not required.

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

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

{
  "InstanceId": "crs-5a4py64p",
  "Period": "12"
}
```

Output Example

```
{
  "Response": {
    "DealId": "6954225",
    "RequestId": "495d8e9f-61bf-465e-aa4e-14be54a9095a"
  }
}
```

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.PayFailed	Payment failed.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
LimitExceeded.PeriodExceedMaxLimit	The requested length of purchase is more than three years and exceeds the maximum value.
LimitExceeded.PeriodLessThanMinLimit	The length of purchase is invalid. It must be at least one month.
ResourceInUse.InstanceBeenLocked	The instance is locked by another process.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.AccountBalanceNotEnough	The request order number does not exist.
ResourceUnavailable.InstanceDeleted	The instance has already been repossessed.

ResetPassword

Last updated : 2024-04-03 11:32:59

1. API Description

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

This API is used to reset a password.

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: ResetPassword.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Redis instance ID
Password	No	String	Password reset (this parameter can be left blank when switching to password-free instance mode and is required in other cases)
NoAuth	No	Boolean	Whether to switch to password-free instance mode. false: switch to password-enabled instance mode; true: switch to password-free instance mode. Default value: false.

3. Output Parameters

Parameter Name	Type	Description
TaskId	Integer	Task ID (this parameter is the task ID when changing a password. If you are switching between password-free and password-enabled instance mode, you can leave this parameter alone)
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=ResetPassword
&Password=zy456987
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "137c2607-07d1-4df0-9978-4b57a7ca3465",
    "TaskId": 16657
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.PasswordFreeDenied	Tencent internal accounts are not allowed to use password-free instances.
InvalidParameterValue.PasswordRuleError	When the password is set, the old password passed in by MC does not match the previously set password.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

StartupInstance

Last updated : 2024-04-03 11:32:59

1. API Description

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

This API is used to deisolate 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: StartupInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
TaskId	Integer	Task ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=StartupInstance
&InstanceId=crs-7ponppu3
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "3e96ecad-23db-4fa8-ac41-af9b8e015b26",
    "TaskId": 1203
  }
}
```

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.PayFailed	Payment failed.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.InternalError	Internal error.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.

SwitchProxy

Last updated : 2024-04-03 11:32:57

1. API Description

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

This API is used to simulate the failure of a proxy node.

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: SwitchProxy.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ProxyID	No	String	Instance ProxyID

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=SwitchProxy
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2d4387ee-2011-449e-a32b-87f9366f3ef4"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.

UpgradeInstanceVersion

Last updated : 2024-04-03 11:32:56

1. API Description

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

This API is used to upgrade the instance to a later version or to upgrade the current standard architecture to the cluster architecture.

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: UpgradeInstanceVersion.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
TargetInstanceType	Yes	String	Target instance type after the change, which is the same as the <code>TypeId</code> of the CreateInstances API. <ul style="list-style-type: none">- For Redis 4.0 or later, a standard architecture instance can be upgraded to a cluster architecture instance on the same version; for example, you can upgrade from Redis 4.0 Standard Architecture to Redis 4.0 Cluster Architecture.- Cross-version architecture upgrade is not supported; for example, you cannot upgrade from Redis 4.0 Standard Architecture to Redis 5.0 Cluster Architecture.- The architecture of Redis 2.8 cannot be upgraded.

			- Cluster architecture cannot be downgraded to standard architecture.
SwitchOption	Yes	Integer	Switch time. Valid values: - 1 : Switch in the maintenance time. - 2 (default value): Switch now.
InstanceId	Yes	String	ID of the specified instance, such as <code>crs-xjhsdj****</code> . Log in to the Redis console , and copy it in the instance list.

3. Output Parameters

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

4. Example

Example1 Sample

This example shows you how to upgrade the current instance to Redis 4.0 cluster architecture.

Input Example

```
https://redis.tencentcloudapi.com/?Action=UpgradeInstanceVersion
&InstanceId=crs-5qlr****
&SwitchOption=2
&TargetInstanceType=7
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "DealId": "6954227",
    "RequestId": "4daddc97-0005-45d8-b5b8-38514ec1e97c"
```

```
}  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

UpgradeProxyVersion

Last updated : 2024-04-03 11:32:55

1. API Description

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

This API is used to upgrade instance proxy 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
Action	Yes	String	Common Params . The value used for this API: UpgradeProxyVersion.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
CurrentProxyVersion	Yes	String	The current proxy version
UpgradeProxyVersion	Yes	String	Upgradeable redis version
InstanceTypeUpgradeNow	Yes	Integer	<input type="radio"/> 1 (upgrade immediately), <input type="radio"/> 0 (upgrade during maintenance time)

3. Output Parameters

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

4. Example

Example1 Upgrading instance proxy

Input Example

```
https://redis.tencentcloudapi.com/?Action=UpgradeProxyVersion
&InstanceId=crs-94w4mqbt
&CurrentProxyVersion=4.1.1
&UpgradeProxyVersion=4.3.0
&InstanceTypeUpgradeNow=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "FlowId": 327,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.CheckNotPass	Business verification failed

UpgradeSmallVersion

Last updated : 2024-04-03 11:32:55

1. API Description

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

This API is used to upgrade instance minor 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
Action	Yes	String	Common Params . The value used for this API: UpgradeSmallVersion.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
CurrentRedisVersion	Yes	String	The current redis version
UpgradeRedisVersion	Yes	String	Upgradeable redis version
InstanceTypeUpgradeNow	Yes	Integer	<input type="checkbox"/> 1 (upgrade immediately), <input type="checkbox"/> 0 (upgrade during maintenance time)

3. Output Parameters

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

4. Example

Example1 Upgrading instance minor version

Input Example

```
https://redis.tencentcloudapi.com/?Action=UpgradeSmallVersion
&InstanceId=crs-2btr9ryn
&CurrentRedisVersion=2.3.0
&UpgradeRedisVersion=2.4.0
&InstanceTypeUpgradeNow=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "FlowId": 329,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnsupportedOperation.InstanceNotOperation	Unsupported operation

UpgradeVersionToMultiAvailabilityZones

Last updated : 2024-04-03 11:32:54

1. API Description

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

This API is used to upgrade an instance to support multi-AZ deployment.

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: UpgradeVersionToMultiAvailabilityZones.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
UpgradeProxyAndRedisServer	No	Boolean	Whether to support “Reading Local Nodes Only” feature after upgrading to multi-AZ deployment. ul> • <code>true</code> : The “Read Local Nodes Only” feature is supported. During the upgrade, you need to upgrade the proxy version and Redis kernel minor version simultaneously, which will involve data migration and may take hours to complete.

- `false` : The “Read Local Nodes Only” feature is not supported. Upgrading to multi-AZ deployment will involve metadata migration only without affecting the service, which generally take less than three minutes to complete.

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

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

{
  "InstanceId": "crs-5qlrlhux",
  "UpgradeProxyAndRedisServer": "true"
}
```

Output Example

```
{
  "Response": {
    "FlowId": "140171780",
    "RequestId": "4daddc97-0005-45d8-b5b8-38514ec1e97c"
  }
}
```

```
}  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnsupportedOperation.InstanceNotOperation	Unsupported operation
UnsupportedOperation.LimitProxyVersion	The instance version is too low.

DescribeCommonDBInstances

Last updated : 2024-04-03 11:33:24

1. API Description

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

This API has been disused. It was used to query the list of Redis instance information.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeCommonDBInstances.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
VpcIds.N	No	Array of Integer	List of VPC IDs
SubnetIds.N	No	Array of Integer	List of subnet IDs
PayMode	No	Integer	List of billing modes. 0: monthly subscription; 1: pay-as-you-go
InstanceIds.N	No	Array of String	List of instance IDs

InstanceNames.N	No	Array of String	List of instance names
Status.N	No	Array of String	List of instance status
OrderBy	No	String	Sorting field
OrderByType	No	String	Sorting order
Vips.N	No	Array of String	List of instance VIPs
UniqVpcIds.N	No	Array of String	List of VPC IDs
UniqSubnetIds.N	No	Array of String	List of unique subnet IDs
Limit	No	Integer	Quantity limit. Recommended default value: 100.
Offset	No	Integer	Offset. Default value: 0

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of instances
InstanceDetails	Array of RedisCommonInstanceList	Instance information
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

Disused APIs

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeCommonDBInstances&PayMode=0&InstanceIds.0=crs-nh47ubwr<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "InstanceDetails": [
      {
        "InstanceName": "abc",
        "InstanceId": "abc",
        "AppId": 0,
        "ProjectId": 0,
        "Region": "abc",
        "Zone": "abc",
        "VpcId": "abc",
        "SubnetId": "abc",
        "Status": "abc",
        "Vips": [
          "abc"
        ],
        "Vport": 0,
        "Createtime": "abc",
        "PayMode": 0,
        "NetType": 0
      }
    ],
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

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

- [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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter	Incorrect parameter.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

ChangeReplicaToMaster

Last updated : 2024-04-03 11:33:31

1. API Description

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

This API is used to promote a replica node group to a master node group or a replica node to a master node 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: ChangeReplicaToMaster.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of the specified instance, such as "crs-xjhdsj****" Log in to the Redis console and copy the instance ID in the instance list.
GroupId	No	Integer	ID of the replica node group. You can get more ID information of the multi-AZ replica node group though the DescribeInstanceZoneInfo API. This parameter is not required for a single-AZ replica node group.

3. Output Parameters

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

4. Example

Example1 Sample request

This example shows you how to promote a replica to a master in single AZ or multiple AZs.

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: ChangeReplicaToMaster<Common request parameters>{ "InstanceId": "crs-sa5***", "GroupId": 301524}
```

Output Example

```
{
  "Response": {
    "RequestId": "c4ed5948-d156-4931-b9c3-10133a0bb6c9",
    "TaskId": 10856
  }
}
```

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.
AuthFailure.InvalidAuthorization	Invalid authorization.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InvalidParameter.IllegalParameterError	Invalid parameter.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue	Incorrect parameter value.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

CloneInstances

Last updated : 2024-04-03 11:33:29

1. API Description

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

This API is used to clone a complete new instance based on the current instance 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: CloneInstances.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceid	Yes	String	The ID of the source instance to be cloned, such as "crs-xjhsdj****". Log in to the Redis console and copy the instance ID in the instance list.
GoodsNum	Yes	Integer	The number of clone instances at a time - The maximum number of monthly subscribed instances is 100 for each purchase. - The maximum number of pay-as-you-go instances is 30 for each purchase.

ZoneId	Yes	Integer	ID of the AZ where the clone instance resides. For more information, see Regions and AZs .
BillingMode	Yes	Integer	Billing mode. Valid values: <ul style="list-style-type: none"> 0 (Pay-as-you-go) 1 (Monthly subscription)
Period	Yes	Integer	Purchase duration of an instance. <ul style="list-style-type: none"> Unit: Month Valid values: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 24, 36, 48, 60 (for monthly subscription mode). Valid value: 1 (for pay-as-you-go mode).
SecurityGroupIdList.N	Yes	Array of String	Security group ID, which can be obtained on the Security Group page in the console.
BackupId	Yes	String	Backup ID of the clone instance, which can be obtained through the DescribeInstanceBackups API.
NoAuth	No	Boolean	Whether the clone instance supports password-free access. Valid values: <ul style="list-style-type: none"> true (Yes) false (No. When SSL or public network is enabled). Default value: false.
VpcId	No	String	The VPC ID of the clone instance. If this parameter is not passed in, the classic network will be selected by default.
SubnetId	No	String	The VPC subnet ID to which the clone instance belongs, which is not required for the classic network.
InstanceName	No	String	Name of the clone instance. Enter up to 60 letters, digits, hyphens, and underscores.
Password	No	String	The access password of the clone instance. <ul style="list-style-type: none"> When the input parameter NoAuth is true, this parameter is not required. When the instance is Redis 2.8, 4.0, or 5.0, the password must contain 8–30 characters in at

			<p>least two of the following types: lowercase letters, uppercase letters, digits, and special characters</p> <p>() ~!@#\$%^&*~+=_ {}[];<>.,?/ and cannot start with /.</p> <ul style="list-style-type: none"> When the instance is CKV 3.2, the password must and can only contain 8–30 letters and digits.
AutoRenew	No	Integer	<p>The auto-renewal flag. Valid values</p> <ul style="list-style-type: none"> 0 : Manual renewal (default). 1 : Auto-renewal. 2 : Not auto-renewal (set by user).
VPort	No	Integer	<p>Customized port. Valid range: 1024-65535. Default value: 6379 .</p>
NodeSet.N	No	Array of RedisNodeInfo	<p>Node information of an instance.</p> <ul style="list-style-type: none"> Currently supported type and AZ information of a node to be configured (master node or replica node) For more information, see RedisNodeInfo. This parameter is not required for single-AZ deployment.
ProjectId	No	Integer	<p>Project ID. Log in to the Redis console, and find the project ID in Account Center > Project Management in the top-right corner.</p>
ResourceTags.N	No	Array of ResourceTag	<p>Tag to be bound for the clone instance</p>
TemplateId	No	String	<p>The parameter template ID associated with the clone instance</p> <ul style="list-style-type: none"> If this parameter is not configured, the system will automatically adapt the corresponding default template based on the selected compatible version and architecture. You can query the parameter template list of the instance to get the template ID through the DescribeParamTemplates API.
AlarmPolicyList.N	No	Array of String	<p>The alarm policy ID of the instance to be cloned. Log in to the Tencent Cloud Observable Platform console, and get the policy ID in Alarm Management > Policy Management.</p>

3. Output Parameters

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

4. Example

Example1 Sample request

This example shows you how to clone an instance.

Input Example

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

{
  "InstanceId": "abc",
  "GoodsNum": 1,
  "NoAuth": true,
  "VpcId": "abc",
  "SubnetId": "abc",
  "ZoneId": 1,
  "InstanceName": "abc",
  "BillingMode": 0,
  "Period": 1,
  "Password": "abc",
  "AutoRenew": 1,
  "SecurityGroupIdList": [
    "abc"
  ],
}
```



```
"VPort": 1,
"BackupId": "abc",
"NodeSet": [
{
"NodeId": 0,
"NodeType": 0,
"ZoneId": 1,
"ZoneName": "abc"
}
],
"ProjectId": 0,
"ResourceTags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
],
"TemplateId": "abc",
"AlarmPolicyList": [
"abc"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "2a836c00-175f-11eb-aeb3-db134c8d8fec",
"InstanceIds": [
"crs-kic3****"
],
"DealId": "22716"
}
}
```

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.PayFailed	Payment failed.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.InternalError	Internal error.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.OnlyVPCOnSpecZoneId	Only VPCs are provided in the Shanghai Finance AZ.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.BaseNetWorkAccessDeny	The instance is not in a VPC.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.InvalidInstanceTypeId	The type of instances requested for purchase is incorrect (TypeId - 1: Cluster Edition; 2: Master-Replica Edition, i.e., the legacy Master-Replica Edition).
InvalidParameterValue.InvalidSubnetId	The <code>vpcid</code> or subnet ID in the VPC is invalid.
InvalidParameterValue.PasswordEmpty	The password is empty.

InvalidParameterValue.PasswordFreeDenied	Tencent internal accounts are not allowed to use password-free instances.
InvalidParameterValue.PasswordRuleError	When the password is set, the old password passed in by MC does not match the previously set password.
InvalidParameterValue.SecurityGroupIdsNotExists	The request parameter or security group ID is incorrect.
InvalidParameterValue.UnVpcIdNotExists	The <code>uniqVpcId</code> or subnet ID in the VPC is invalid.
LimitExceeded	The quota limit has been reached.
LimitExceeded.InvalidMemSize	The requested capacity is out of the purchasable specification range (<code>memSize</code> should be an integer multiple of 1,024 in MB).
LimitExceeded.InvalidParameterGoodsNumNotInRange	The number of instances requested for purchase at a time is out of the purchasable quantity range.
LimitExceeded.PeriodLessThanMinLimit	The length of purchase is invalid. It must be at least one month.
LimitExceeded.ReachTheAmountLimit	The quantity of requested TencentDB for Redis instances falls out of the limit range.
ResourceInsufficient	The resource is insufficient.
ResourceNotFound.AccountDoesNotExists	The UIN value is empty.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceDeleted	The instance has already been repossessed.
ResourceUnavailable.NoEnoughVipInVPC	The IP resources in the VPC are insufficient.
ResourceUnavailable.NoRedisService	The requested region currently does not provide the Redis service.
ResourceUnavailable.NoServiceAvailableForThisZoneId	The requested <code>zoneId</code> doesn't provide Redis service.
ResourceUnavailable.SaleOut	Resources of the specified type in the region are sold out.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.

UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation	The operation is not supported.

CreateInstances

Last updated : 2024-04-22 11:08:48

1. API Description

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

This API is used to create an TencentDB or Redis 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: CreateInstances.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
TypeId	Yes	Integer	Instance type <ul style="list-style-type: none">2 : Redis 2.8 Memory Edition (Standard Architecture).3 : CKV 3.2 Memory Edition (Standard Architecture).4 : CKV 3.2 Memory Edition (Cluster Architecture).6 : Redis 4.0 Memory Edition (Standard Architecture).

			<ul style="list-style-type: none"> • <code>7</code> : Redis 4.0 Memory Edition (Cluster Architecture). • <code>8</code> : Redis 5.0 Memory Edition (Standard Architecture). • <code>9</code> : Redis 5.0 Memory Edition (Cluster Architecture). • <code>15</code> : Redis 6.2 Memory Edition (Standard Architecture). • <code>16</code> : Redis 6.2 Memory Edition (Cluster Architecture).
MemSize	Yes	Integer	<p>Memory capacity in MB, which must be an integer multiple of 1024. For specific specifications, query the sales specifications in all regions through the DescribeProductInfo API.</p> <ul style="list-style-type: none"> - When Typeld is a standard architecture, MemSize is the total memory capacity of the instance; - When Typeld is a cluster architecture, MemSize is the single-shard memory capacity.
GoodsNum	Yes	Integer	<p>The number of instances for each purchase. For details, query the sales specifications in all regions through the DescribeProductInfo API.</p>
Period	Yes	Integer	<p>The purchase duration of an instance</p> <ul style="list-style-type: none"> - If <code>BillingMode</code> is <code>1</code>, that is, when the billing mode is monthly subscription, you need to set this parameter to specify the duration of the purchased instance. Unit: month. Value range: [1,2,3,4,5,6,7,8,9,10,11,12,24,36]. - If <code>BillingMode</code> is <code>0</code>, that is, when the billing mode is pay-as-you-go, you need to set this parameter to <code>1</code>.
BillingMode	Yes	Integer	<p>Billing mode. 0: pay-as-you-go</p>
Zoneld	No	Integer	<p>ID of the AZ where the instance resides. For more information, see Regions and AZs.</p>
Password	No	String	<p>Instance access password</p> <ul style="list-style-type: none"> - When the input parameter <code>NoAuth</code> is <code>true</code>, it means that the instance access is set to be password-free, and the <code>Password</code> field does not need to be configured; otherwise, <code>Password</code> is a

			<p>required parameter.</p> <ul style="list-style-type: none"> - When the instance type <code>TypeId</code> is Redis 2.8 Memory Edition (Standard Architecture), Redis 4.0, 5.0, 6.0 (regardless of architecture), the password must contain 8-30 characters in at least two of the following types: lowercase letters, uppercase letters, digits, and symbols (<code>()`~!@#\$\$%^&*~+=[{}];<>,.?/</code>), and it cannot start with a slash (/). - When the instance type TypeId is CKV 3.2 Memory Edition (regardless of architecture), the password contains 8-30 letters and digits and excludes other characters.
VpcId	No	String	VPC ID. If this parameter is not passed in, the classic network will be selected by default. You can query the specific VPC ID in the VPC console .
SubnetId	No	String	VPC subnet ID. This parameter is not required for the classic network. You can get the specific subnet ID by querying the subnet list in the VPC console .
ProjectId	No	Integer	Project ID. Log in to the Redis console , go to the account information menu in the top-right corner, and select Project Management to query the project ID.
AutoRenew	No	Integer	<p>Auto-renewal flag</p> <ul style="list-style-type: none"> - <code>0</code> : Manual renewal (default). - <code>1</code> : Auto-renewal. - <code>2</code> : Not auto-renewal (set by user).
SecurityGroupIdList.N	No	Array of String	Array of security group IDs. Get the security group ID of the instance through the DescribeInstanceSecurityGroup API.
VPort	No	Integer	User-defined network port. Default value: <code>6379</code> . Range: [1024,65535].
RedisShardNum	No	Integer	<p>Quantity of instance shards</p> <ul style="list-style-type: none"> - This parameter is not required for instances of Standard Edition. - For instances of Cluster Edition, the range of shard quantity is [1, 3, 5, 8, 12, 16, 24, 32, 40, 48, 64, 80, 96, 128].
RedisReplicasNum	No	Integer	<p>Quantity of instance replicas</p> <ul style="list-style-type: none"> - For Redis Memory Edition 4.0, 5.0, 6.2 (regardless

			of architecture), the range of replica quantity is [1,5]. - For Redis 2.8 Standard Edition and CKV Standard Edition, the replica quantity is <code>1</code> .
ReplicasReadonly	No	Boolean	Whether to support read-only replicas. - Redis 2.8 Standard Edition and CKV Standard Edition don't support read-only replicas. - If read-only replicas are enabled, read/write separation will be automatically enabled for an instance, with write requests routed to the master node and read requests to the replica node. - To enable read-only replicas, we recommend that you create two or more replicas.
InstanceName	No	String	Instance name, which can contain up to 60 letters, digits, hyphens, and underscores.
NoAuth	No	Boolean	Whether to support password-free access for an instance - <code>true</code> : The instance access is password-free. - <code>false</code> : The instance access is password-enabled. Default value: <code>false</code> . Only instances in a VPC support the password-free access.
NodeSet.N	No	Array of RedisNodeInfo	The node information of the instance, including node ID, type, and AZ. For more information, see RedisNodeInfo . Node information of an instance. Currently, information about the node type (master or replica) and node AZ can be passed in. This parameter is not required for instances deployed in a single AZ.
ResourceTags.N	No	Array of ResourceTag	The tag for an instance
ZoneName	No	String	Name of the AZ where the instance resides. For more information, see Regions and AZs .
TemplateId	No	String	The parameter template ID associated with the instance - If this parameter is not configured, the system will automatically adapt the corresponding default template based on the selected compatible version and architecture. - Query the list of parameter templates of an

			instance to get the template ID through the DescribeParamTemplates API.
DryRun	No	Boolean	An internal parameter used to indicate whether to check when creating an instance. - <code>false</code> : Default value. Send a normal request and create an instance if all the requirements are met. - <code>true</code> : Send a check request and create no instance.
ProductVersion	No	String	The product edition of the instance - <code>local</code> : Local Disk Edition. - <code>cloud</code> : Cloud Disk Edition. - <code>cdc</code> : Dedicated Cluster Edition. Default value: <code>local</code> .
RedisClusterId	No	String	Exclusive cluster ID. When <code>ProductVersion</code> is set to <code>cdc</code> , this parameter is required.
AlarmPolicyList.N	No	Array of String	Alarm policy ID array.- Please log in to Tencent Cloud Observability Platform - Alarm Management - Policy Management to access the alarm policy ID.- If this parameter is not configured, the default alarm policy will be bound. For the specific information about the default alarm policy, please log in to Tencent Cloud Observability Platform - Alarm Management - Policy Management to view.

3. Output Parameters

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

4. Example

Example1 Sample request 1

This example shows you how to purchase a monthly subscribed TencentDB for Redis 5.0 instance on Memory Edition (Cluster Architecture).

Input Example

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

{
  "TypeId": "9",
  "VpcId": "vpc-fmh*****",
  "GoodsNum": "1",
  "RedisShardNum": "3",
  "Period": "3",
  "BillingMode": "1",
  "NoAuth": "true",
  "MemSize": "2048",
  "SubnetId": "subnet-680c****",
  "RedisReplicasNum": "1",
  "ZoneId": "200002"
}
```

Output Example

```
{
  "Response": {
    "DealId": "154494263",
    "InstanceIds": [
      "crs-h9sn****"
    ],
    "RequestId": "d39baee1-e34f-4685-a810-5d27c510acb3"
  }
}
```

Example2 Sample request 2

This example shows you how to purchase a pay-as-you-go TencentDB for Redis 4.0 instance on Memory Edition (Standard Architecture).

Input Example

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

{
  "TypeId": "6",
  "Password": "*****",
  "GoodsNum": "1",
  "Period": "1",
  "BillingMode": "0",
  "MemSize": "1024",
  "ZoneId": "100002"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2a836c00-175f-11eb-aeb3-db134c8d8fec",
    "InstanceIds": [
      "crs-kic39axx"
    ],
    "DealId": "22716"
  }
}
```

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.PayFailed	Payment failed.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.InternalError	Internal error.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.OnlyVPCOnSpecZoneId	Only VPCs are provided in the Shanghai Finance AZ.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.BaseNetWorkAccessDeny	The instance is not in a VPC.
InvalidParameterValue.InvalidInstanceTypeId	The type of instances requested for purchase is incorrect (TypeId - 1: Cluster Edition; 2: Master-Replica Edition, i.e., the legacy Master-Replica Edition).
InvalidParameterValue.InvalidSubnetId	The <code>vpcid</code> or subnet ID in the VPC is invalid.
InvalidParameterValue.PasswordEmpty	The password is empty.
InvalidParameterValue.PasswordFreeDenied	Tencent internal accounts are not allowed to use password-free instances.

InvalidParameterValue.PasswordRuleError	When the password is set, the old password passed in by MC does not match the previously set password.
InvalidParameterValue.SecurityGroupIdsNotExists	The request parameter or security group ID is incorrect.
InvalidParameterValue.UnVpcIdNotExists	The <code>uniqVpcId</code> or subnet ID in the VPC is invalid.
LimitExceeded	The quota limit has been reached.
LimitExceeded.InvalidMemSize	The requested capacity is out of the purchasable specification range (<code>memSize</code> should be an integer multiple of 1,024 in MB).
LimitExceeded.InvalidParameterGoodsNumNotInRange	The number of instances requested for purchase at a time is out of the purchasable quantity range.
LimitExceeded.PeriodExceedMaxLimit	The requested length of purchase is more than three years and exceeds the maximum value.
LimitExceeded.PeriodLessThanMinLimit	The length of purchase is invalid. It must be at least one month.
ResourceInsufficient	The resource is insufficient.
ResourceNotFound.AccountDoesNotExists	The UIN value is empty.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceDeleted	The instance has already been repossessed.
ResourceUnavailable.NoEnoughVipInVPC	The IP resources in the VPC are insufficient.
ResourceUnavailable.NoRedisService	The requested region currently does not provide the Redis service.
ResourceUnavailable.NoTypeIdRedisService	The requested region currently does not provide the requested type of Redis service.
ResourceUnavailable.SaleOut	Resources of the specified type in the region are sold out.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

UnsupportedOperation

The operation is not supported.

DescribeInstanceDealDetail

Last updated : 2024-04-03 11:33:22

1. API Description

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

This API is used to query the order information.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInstanceDealDetail.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
DealIds.N	Yes	Array of String	Array of order transaction IDs, i.e., the DealId output parameter of the CreateInstances API.

3. Output Parameters

Parameter Name	Type	Description

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

4. Example

Example1 Sample request

This example shows you how to query the order information.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceDealDetail
&DealIds.0=6959052
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "DealDetails": [
      {
        "DealId": "6959052",
        "DealName": "20181101110365",
        "ZoneId": 100002,
        "GoodsNum": 1,
        "Creator": "1817983094",
        "CreatTime": "2018-11-01 21:12:05",
        "OverdueTime": "2018-11-16 21:12:05",
        "EndTime": "2018-11-01 21:13:18",
        "Status": 4,
        "Description": "Successfully delivered",
        "Price": 91949,
        "InstanceIds": [
          "crs-bz8prb7x"
        ]
      }
    ],
    "RequestId": "5d739ed7-af13-489f-b005-aaa57aeaf022"
  }
}
```


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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceUnavailable.InstanceConfError	An instance configuration error occurred.

DescribeInstanceNodeInfo

Last updated : 2024-04-03 11:33:21

1. API Description

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

This API is used to query the information of an instance node.

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: DescribeInstanceNodeInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhsdj*****" Log in to the Redis console and copy the instance ID in the instance list.
Limit	No	Integer	List size Size of node information returned per page. Default value: 20 . Maximum value: 1000 . This field has been disused.
Offset	No	Integer	Pagination offset, which is an integral multiple of Limit . Calculation formula: $offset = limit * (page\ number - 1)$. This field has been disused.

3. Output Parameters

Parameter Name	Type	Description
ProxyCount	Integer	The number of proxy nodes
Proxy	Array of ProxyNodes	Proxy node information Note: This field may return null, indicating that no valid values can be obtained.
RedisCount	Integer	The number of Redis nodes
Redis	Array of RedisNodes	Redis node information Note: This field may return null, indicating that no valid values can be obtained.
TendisCount	Integer	This parameter has been disused.
Tendis	Array of TendisNodes	This parameter has been disused. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to query the node information.

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeInstanceNodeInfo<Common request parameters>{ "InstanceId": "crs-mufy7q15"}
```

Output Example

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

```
"Proxy": [  
  {  
    "NodeId": "de1d54148ed79f11c3b4a49c878b29c7218a6a30",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "de1d54148ed79f11c3b4a49c878b29c7218a6a30",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "524cc561f6621bc90d726dc62e15c66523754351",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "5a0b7dfd340e8938762a3fabd390fed0e3635bb2",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "71506b68e9ee8657b117846f66d66b8dd93a1344",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "d4d3c819851952b01bd64e9ed7b3ada279b98ff7",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "183a26e4ca59f98487276ce303ba50a2d71a423b",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "002293180829fa0b2ab75b4ecd46d39194cabbfb",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "6cd3f7b5cf412d1e93ab423c959c667e9ff6b75c",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "52dd9608df1a0b8db6a28510866071f6638855bf",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "6b62f8239e0851f8a2660cd13dd58bf171cb0f49",  
    "ZoneId": 100006  
  },  
  {  
    "NodeId": "6643b7242ad3c47c8b8622f28bf241db0a7b0dde",
```

```
"ZoneId": 100006
},
{
"NodeId": "dc78e5013a6cfd886eb16a49c2248b956551e77c",
"ZoneId": 100004
},
{
"NodeId": "d89e53a50448b3d61433317bc090625217cdeaf1",
"ZoneId": 100004
},
{
"NodeId": "156aebf190383685303ff68978c91adcd308ef27",
"ZoneId": 100004
},
{
"NodeId": "b8ebc56c5c346b6f79d75f81e6ee5d5f739c75f1",
"ZoneId": 100004
},
{
"NodeId": "ebbc08014c2c8c53132a541c7321dbf9cef8d09f",
"ZoneId": 100004
},
{
"NodeId": "e7c18f48e024bdd938a970a67fea207c6cf77138",
"ZoneId": 100004
},
{
"NodeId": "755d3a3ffc28786b92c2615bde8f17e37e861e57",
"ZoneId": 100004
},
{
"NodeId": "bb160769730dc46e8408c1d7ebddc8cdd6c1a0f8",
"ZoneId": 100004
},
{
"NodeId": "4ecab8b25acc46e6bd82dc469328a50fb9568656",
"ZoneId": 100004
},
{
"NodeId": "27bdbc76b6f714764fb48ff4ddc26db6a20796f5",
"ZoneId": 100004
},
{
"NodeId": "833f13e8d33ed1b5e8e87a935d0e48c4025af8c3",
"ZoneId": 100004
},
},
{
```

```
"NodeId": "81c2bd2f68215c5a5020fa900f481894e3b95eca",
"ZoneId": 100004
},
],
"ProxyCount": 24,
"Redis": [
{
"ClusterId": 0,
"NodeId": "cc1e7c5ca61f52252df1ca6562db22e2af6eaa1f",
"NodeRole": "master",
"ZoneId": 100006
},
{
"ClusterId": 0,
"NodeId": "7b567e0bf382294e03ca88c33ef536f4a0412c7c",
"NodeRole": "master",
"ZoneId": 100006
},
{
"ClusterId": 0,
"NodeId": "78dd8883679ecda91293ded3051db82eec220da3",
"NodeRole": "slave",
"ZoneId": 100004
},
{
"ClusterId": 0,
"NodeId": "58b509ea080e53d5aa71776688d2b70b23c63341",
"NodeRole": "slave",
"ZoneId": 100006
},
{
"ClusterId": 0,
"NodeId": "b451eafdf3fa6fcd2f309b3a874414e255fc7e9",
"NodeRole": "slave",
"ZoneId": 100006
},
{
"ClusterId": 0,
"NodeId": "eb7baf3b620417f2ac7b2e61db47494bfe944a20",
"NodeRole": "slave",
"ZoneId": 100006
},
{
"ClusterId": 0,
"NodeId": "1f4fc3cf0f5dd641896fab7346c19486854b91cf",
"NodeRole": "slave",
"ZoneId": 100006
}
```

```
},
{
  "ClusterId": 0,
  "NodeId": "365e4bd53d1b22b7b11a478e59bedd7b36664168",
  "NodeRole": "slave",
  "ZoneId": 100004
},
{
  "ClusterId": 0,
  "NodeId": "6906d69a5378dc368da4cc3b0a924608ded3033a",
  "NodeRole": "slave",
  "ZoneId": 100006
},
{
  "ClusterId": 0,
  "NodeId": "7bf8f6080c14b449a617cff4ad4fd2b326198314",
  "NodeRole": "slave",
  "ZoneId": 100006
},
{
  "ClusterId": 0,
  "NodeId": "14f01a4ae7aa67aa163494bbc6e8c084961b3ca2",
  "NodeRole": "slave",
  "ZoneId": 100004
},
{
  "ClusterId": 0,
  "NodeId": "165bc741b8f9e929b382a6ea14ce8e9d243b4ad9",
  "NodeRole": "slave",
  "ZoneId": 100006
},
{
  "ClusterId": 0,
  "NodeId": "aaafa08a670047eaed7662b09ddac78e2a449590",
  "NodeRole": "slave",
  "ZoneId": 100006
},
{
  "ClusterId": 0,
  "NodeId": "cc37908d0829a977727ebccbacc393e1e6eacb7b6",
  "NodeRole": "slave",
  "ZoneId": 100006
}
],
"RedisCount": 15,
"RequestId": "eba33751-49d1-43a8-a4c5-5a3596b41f06",
" Tendis": [],
```

```
"TendisCount": 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

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.

DescribeInstanceShards

Last updated : 2024-04-03 11:33:21

1. API Description

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

This API is used to get the shard information of the instance on cluster architecture.

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: DescribeInstanceShards.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhdsj****" Log in to the Redis console and copy the instance ID in the instance list.
FilterSlave	No	Boolean	Whether to filter out the replica node information. Valid values: <code>true</code> (yes), <code>false</code> (no).

3. Output Parameters

--	--	--

Parameter Name	Type	Description
InstanceShards	Array of InstanceClusterShard	List information of the instance shards, which includes node information, node ID, key count, used capacity, and capacity slope.
TotalCount	Integer	Number of instance shard nodes
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to get the shard information of a cluster edition instance.

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeInstanceShards<Common request parameters>{ "InstanceId": "crs-7pon****", "FilterSlave": true}
```

Output Example

```
{
  "Response": {
    "InstanceShards": [
      {
        "Connected": 1,
        "Keys": 274171,
        "Role": 0,
        "Runid": "edd1020ca1e3767c0d281d205964d168a2f5XXXX",
        "ShardId": "crs-7pon****-001-02",
        "Slots": "[\0-5460\]",
        "Storage": 92353816,
        "StorageSlope": 0
      },
      {
        "Connected": 1,
        "Keys": 272958,
```

```
"Role": 0,
"Runid": "8f8b3760bfbea22e0fad8a0a9575d7716801XXXX",
"ShardId": "3",
"ShardName": "crs-XXXXXXXX-003-01",
"Slots": "[\"10923-16383\"]",
"Storage": 92096256,
"StorageSlope": 0
},
{
"Connected": 1,
"Keys": 273074,
"Role": 0,
"Runid": "b6ed2e93ed754054f06220b995d42f4a07c2XXXX",
"ShardId": "2",
"ShardName": "crs-XXXXXXXX-002-01",
"Slots": "[\"5461-10922\"]",
"Storage": 92149456,
"StorageSlope": 0
}
],
"RequestId": "9a57167a-f1a3-47ad-XXXX-b0ad835630a5",
"TotalCount": 3
}
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.UnSupportedType	The instance type is not supported.

DescribeMaintenanceWindow

Last updated : 2024-04-03 11:33:18

1. API Description

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

This API is used to query instance maintenance window. The maintenance window specifies a time period during which compatible version upgrade, architecture upgrade, backend maintenance, and other operations can be performed to avoid affecting business.

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: DescribeMaintenanceWindow.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
----------------	------	-------------

StartTime	String	Start time of the maintenance window, such as 17:00.
EndTime	String	End time of the maintenance window, such as 19:00.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeMaintenanceWindow
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "StartTime": "03:00",
    "EndTime": "06:00",
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.

DescribeParamTemplateInfo

Last updated : 2024-04-03 11:33:17

1. API Description

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

This API is used to query the details of a parameter template.

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: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
TemplateId	Yes	String	The parameter template ID for query. Get parameter template list information through the DescribeParamTemplates API.

3. Output Parameters

Parameter Name	Type	Description

TotalCount	Integer	Quantity of parameters in the parameter template
TemplateId	String	Parameter template ID.
Name	String	Parameter template name.
ProductType	Integer	Product type <ul style="list-style-type: none"> - 2 : Redis 2.8 Memory Edition (Standard Architecture). - 3 : CKV 3.2 Memory Edition (Standard Architecture). - 4 : CKV 3.2 Memory Edition (Cluster Architecture). - 5 : Redis 2.8 Memory Edition (Standalone). - 6 : Redis 4.0 Memory Edition (Standard Architecture). - 7 : Redis 4.0 Memory Edition (Cluster Architecture). - 8 : Redis 5.0 Memory Edition (Standard Architecture). - 9 : Redis 5.0 Memory Edition (Cluster Architecture). - 15 : Redis 6.2 Memory Edition (Standard Architecture). - 16 : Redis 6.2 Memory Edition (Cluster Architecture).
Description	String	Parameter template description
Items	Array of ParameterDetail	Parameter details, including parameter name, current value, default value, maximum value, minimum value, enumeration value and other information.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the information of a parameter template

This example shows you how to query the template information by the specified parameter template ID.

Input Example

```

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

{
  "TemplateId": "crs-cfg-7mgt****"
}

```

Output Example

```
{
  "Response": {
    "Description": "MyCustomParamTemplate",
    "Items": [
      {
        "CurrentValue": "",
        "Default": "\\\"",
        "Description": "commands in such config will not be allowed to run in this instance,you can config multi commands like this 'flushdb,keys'",
        "EnumValue": [
          "flushall",
          "flushdb",
          "keys",
          "hgetall",
          "eval",
          "evalsha",
          "script"
        ],
        "Max": "",
        "Min": "",
        "Name": "disable-command-list",
        "NeedReboot": 0,
        "ParamType": "multi"
      },
      {
        "CurrentValue": "512",
        "Default": "512",
        "Description": "Hashes are encoded using a memory efficient data structure when they have a small number of entries",
        "EnumValue": null,
        "Max": "10000",
        "Min": "1",
        "Name": "hash-max-ziplist-entries",
        "NeedReboot": 0,
        "ParamType": "integer"
      },
      {
        "CurrentValue": "64",
        "Default": "64",
        "Description": "Hashes are encoded using a memory efficient data structure when the biggest entry does not exceed a given threshold",
        "EnumValue": null,
        "Max": "10000",
```

```
"Min": "1",
"Name": "hash-max-ziplist-value",
"NeedReboot": 0,
"ParamType": "integer"
},
{
"CurrentValue": "10",
"Default": "10",
"Description": "The frequency at which Redis background tasks are performed. A higher value results in higher CPU consumption but smaller latency. We recommend that you do not specify a value larger than 100.",
"EnumValue": null,
"Max": "500",
"Min": "1",
"Name": "hz",
"NeedReboot": 0,
"ParamType": "integer"
}
],
"Name": "redis_automation_is_awesome_1",
"ProductType": 2,
"RequestId": "72881d6c-c2a0-42af-862a-a5de09de104d",
"TemplateId": "crs-cfg-7mgt****",
"TotalCount": 14
}
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.

DescribeReplicationGroup

Last updated : 2024-04-03 11:33:16

1. API Description

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

This API is used to query a replication 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: DescribeReplicationGroup.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Limit	Yes	Integer	Number of instances returned per page. Default value: <code>20</code> .
Offset	Yes	Integer	Pagination offset, which is an integral multiple of <code>Limit</code> . $offset = limit * (page\ number - 1)$.
GroupId	No	String	ID of the specified replication group, such as <code>crs-rpl-m3zt****</code> . Log in to the TencentDB for Redis console , and get it in the global replication group list.
SearchKey	No	String	Keyword for fuzzy query, which can be a replication group ID or name. Log in to the TencentDB for Redis console , and get them in the global

			replication group list.
--	--	--	-------------------------

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of replication groups
Groups	Array of Groups	Replication group information
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to query the information of a single replication group.

Input Example

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

{
  "Limit": 20,
  "GroupId": "crs-rpl-lkgv****",
  "Offset": 0
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 1,
```

```
"RequestId": "65e950b9-78e8-49b1-9200-0e62a1925557",
"Groups": [
{
  "Status": 37,
  "Remark": "Test replication group",
  "InstanceCount": 1,
  "Instances": [
  {
    "Engine": "Redis Community Edition",
    "Vip6": "",
    "UpdateTime": "2022-11-02 15:04:05",
    "VpcID": 16770550,
    "InstanceId": "crs-9c36****",
    "RedisShardSize": 1024,
    "RegionId": 1,
    "RedisShardNum": 1,
    "Status": 1,
    "Vip": "10.0.4.42",
    "DiskSize": 0,
    "CreateTime": "2022-11-02 15:04:05",
    "ProductType": 9,
    "AppId": 0,
    "Role": "rw",
    "VPort": 6379,
    "ZoneId": 1,
    "InstanceName": "crs-test",
    "RedisReplicasNum": 1,
    "GrocerySysId": 1000259
  }
],
  "RegionId": 1,
  "GroupName": "crs-ben-test",
  "AppId": 0,
  "GroupId": "crs-rpl-lkgv****"
}
]
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.

DescribeSSLStatus

Last updated : 2024-04-03 11:33:15

1. API Description

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

This API is used to query the SSL authentication information of an instance, such as enablement status, configuration status, and certificate 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: DescribeSSLStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
CertDownloadUrl	String	Download address for SSL certificate

UrlExpiredTime	String	Expiration time of the certificate download address
SSLConfig	Boolean	Whether the SSL is enabled for the identified instance. - <code>true</code> : Enabled - <code>false</code> : Disabled
FeatureSupport	Boolean	Whether SSL is supported for the identified instance. - <code>true</code> : Supported - <code>false</code> : Not supported
Status	Integer	Status of SSL configuration - <code>1</code> : Configuring - <code>2</code> : Configured successfully
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Example 1

This example shows you how to query the SSL authentication information of an instance.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeSSLStatus
&InstanceId=crs-2btr9ryn
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "CertDownloadUrl": "abc",
    "UrlExpiredTime": "abc",
    "SSLConfig": true,
    "FeatureSupport": true,
    "Status": 0,
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

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

- [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.SystemError	Internal system error, which is irrelevant to the business.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.ActionNotFound	The corresponding API was not found.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

DescribeTaskInfo

Last updated : 2024-04-03 11:33:14

1. API Description

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

This API is used to get the execution of a specified 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: DescribeTaskInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
TaskId	Yes	Integer	Task ID

3. Output Parameters

Parameter Name	Type	Description
Status	String	Task status. Valid values: <ul style="list-style-type: none">- <code>preparing</code> : To be run- <code>running</code> : Running

		<ul style="list-style-type: none"> - <code>succeed</code> : Succeeded - <code>failed</code> : Failed - <code>Error</code> : Error occurred while running
StartTime	String	Task start time
TaskType	String	Task type, including <code>Create</code> , <code>Configure</code> , <code>Disable Instance</code> , <code>Clear Instance</code> , <code>Reset Password</code> , <code>Upgrade Version</code> , <code>Back up Instance</code> , <code>Modify Network</code> , <code>Migrate to New AZ</code> and <code>Promote to Master</code> .
InstanceId	String	Instance ID
TaskMessage	String	Message returned by task execution, which will be an error message when execution fails or be empty when the status is <code>running</code> or <code>succeed-</code> .
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to query the task execution results.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeTaskInfo
&TaskId=18215
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Status": "succeed",
    "StartTime": "2018-11-01 17:25:14",
    "TaskType": "redis cache clearing process",
    "InstanceId": "crs-09u2u96z",
    "TaskMessage": "",
    "RequestId": "81120ab8-fea0-41ab-af7e-283c0348c4fc"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

DescribeTaskList

Last updated : 2024-04-03 11:33:13

1. API Description

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

This API is used to query the task list information of a specified 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: DescribeTaskList.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	No	String	ID of a specified instance, such as "crs-xjhdsj****" Log in to the Redis console and copy the instance ID in the instance list.
InstanceName	No	String	Instance name
Limit	No	Integer	Number of taskss returned per page. Default value: <code>20</code> . Maximum value: <code>100</code> .
Offset	No	Integer	Pagination offset, which is an integral multiple of <code>Limit</code> . Calculation formula: <code>offset = limit * (page number - 1)</code> .
ProjectIds.N	No	Array	Project ID Log in to the Redis console , go to the account information

		of Integer	menu in the top-right corner, and select Project Management to query the project ID.
TaskTypes.N	No	Array of String	Task type. Valid values: - <code>FLOW_CREATE</code> : Create an instance. - <code>FLOW_MODIFYCONNECTIONCONFIG</code> : Adjust the number of bandwidth connections. - <code>FLOW_MODIFYINSTANCEPASSWORDFREE</code> : Modify the process of password-free access. - <code>FLOW_CLEARNETWORK</code> : Returning VPC - <code>FLOW_SETPWD</code> : Set the access password. - <code>FLOW_EXPORSHR</code> : Expand or reduce the capacity. - <code>FLOW_UpgradeArch</code> : Upgrade the instance architecture. - <code>FLOW_MODIFYINSTANCEPARAMS</code> : Modify the instance parameters. - <code>FLOW_MODIFYINSTACEREADONLY</code> : Modify read-only process. - <code>FLOW_CLOSE</code> : Disable the instance. - <code>FLOW_DELETE</code> : Delete the instance. - <code>FLOW_OPEN_WAN</code> : Enable the public network. - <code>FLOW_FLOW_CLEAN</code> : Clear the instance. - <code>FLOW_MODIFYINSTANCEACCOUNT</code> : Modify the instance account. - <code>FLOW_ENABLEINSTANCE_REPLICATE</code> : Enable the replica read-only feature. - <code>FLOW_DISABLEINSTANCE_REPLICATE</code> : Disable the replica read-only feature. - <code>FLOW_SWITCHINSTANCEVIP</code> : Swap the VIPs of instances. - <code>FLOW_CHANGE_REPLICA_TO_MSTER</code> : Promote the replica node to the mater node. - <code>FLOW_BACKUPINSTANCE</code> : Back up an instance.
BeginTime	No	String	Start time for executing a task, in the format of “2020-10-12 00:00:00”.
EndTime	No	String	End time for executing a task, in the format of “2021-12-30 20:59:35”.
TaskStatus.N	No	Array of Integer	This parameter is only for internal use and can be ignored.
Result.N	No	Array of Integer	Task execution status. Valid values: - <code>0</code> (initilized) - <code>1</code> (executing) - <code>2</code> (completed) - <code>4</code> (failed)
OperatorUin.N	No	Array of Integer	The field <code>OperatorUin</code> has been disused and replaced by <code>OperateUin</code> .
OperateUin.N	No	Array of String	Operator account ID or UIN

3. Output Parameters

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

4. Example

Example1 Sample

This example shows you how to query the task details of an instance.

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeTaskList<Common request parameters>{ "InstanceId": "crs-opcazbrb" }
```

Output Example

```
{
  "Response": {
    "RequestId": "19a7fb07-8e21-4827-88dd-fee57f38e8cd",
    "Tasks": [
      {
        "EndTime": "2019-11-15 14:25:46",
        "InstanceId": "crs-opcazbrb",
        "InstanceName": "multidbccbugfix11153",
        "Progress": 1,
        "ProjectId": 0,
        "Result": 2,
        "StartTime": "2019-11-15 14:25:37",
        "TaskId": 42372,

```

```
"TaskType": "037",
},
{
  "EndTime": "2019-11-15 14:25:25",
  "InstanceId": "crs-opcazbrb",
  "InstanceName": "multidbcccbugfix11153",
  "Progress": 1,
  "ProjectId": 0,
  "Result": 2,
  "StartTime": "2019-11-15 14:25:16",
  "TaskId": 42371,
  "TaskType": "037"
}
],
"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++](#)

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

ModifyInstancePassword

Last updated : 2024-04-03 11:33:07

1. API Description

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

This API is used to modify the access password 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: ModifyInstancePassword.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID, such as "crs-xjhdsj****". Log in to the Redis console and copy the instance ID in the instance list.
OldPassword	Yes	String	Old password of an instance
Password	Yes	String	New instance password, which has the following requirements: <ul style="list-style-type: none">- It must contain 8-30 characters, preferably 12 or more.- It cannot start with a slash (/)- It must contain two of the following three types: lowercase letters, uppercase letters, and symbols (()~!@#\$\$%^&*~+=_ {}[]:;<>.,.?/)

3. Output Parameters

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

4. Example

Example1 Modifying the password

This example shows you how to reset instance access password.

Input Example

```
https://redis.tencentcloudapi.com/?Action=ModfiyInstancePassword
&InstanceId=crs-5a4p****
&OldPassword=zy45****
&Password=4569****
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "cca16225-a169-4f11-b1cf-13398200f604",
    "TaskId": 16661
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.PasswordError	Password verification error due to incorrect password.
InvalidParameterValue.PasswordRuleError	When the password is set, the old password passed in by MC does not match the previously set password.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

RemoveReplicationInstance

Last updated : 2024-04-03 11:33:01

1. API Description

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

This API is used to remove a member from a replication 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: RemoveReplicationInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
GroupId	Yes	String	Replication group ID
InstanceId	Yes	String	Instance ID
SyncType	Yes	Boolean	Data sync type. Valid values: <code>true</code> (strong sync is required), <code>false</code> (strong sync is not required, only the master instance can be deleted).

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

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

{
  "InstanceId": "crs-sa5dsfs",
  "SyncType": true,
  "GroupId": "crs-rpl-sa5dsfs"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "c4ed5948-d156-4931-b9c3-10133a0bb6c9",
    "TaskId": 10856
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.
LimitExceeded.ReplicationGroupLocked	Replication group locked
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.Inspection	Inspecting replication group
UnsupportedOperation.InstanceNotOperation	Unsupported operation

UpgradeInstance

Last updated : 2024-04-03 11:32:57

1. API Description

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

This API is used to modify the instance 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: UpgradeInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	The ID of instance to be modified.
MemSize	Yes	Integer	New memory size of an instance shard. <ul style="list-style-type: none">Unit: MB.You can only modify one of the three parameters at a time: <code>MemSize</code> , <code>RedisShardNum</code> , and <code>RedisReplicasNum</code> . To modify one of them, you need to enter the other two, which are consistent

			<p>with the original configuration specifications of the instance.</p> <ul style="list-style-type: none"> In case of capacity reduction, the new specification must be at least 1.3 times the used capacity; otherwise, the operation will fail.
RedisShardNum	No	Integer	<p>New number of instance shards.</p> <ul style="list-style-type: none"> This parameter is not required for standard architecture instances, but for cluster architecture instances. For cluster architecture, you can only modify one of the three parameters at a time: <code>MemSize</code>, <code>RedisShardNum</code>, and <code>RedisReplicasNum</code>. To modify one of them, you need to enter the other two, which are consistent with the original configuration specifications of the instance.
RedisReplicasNum	No	Integer	<p>New replica quantity.</p> <ul style="list-style-type: none"> You can only modify one of the three parameters at a time: <code>MemSize</code>, <code>RedisShardNum</code>, and <code>RedisReplicasNum</code>. To modify one of them, you need to enter the other two, which are consistent with the original configuration specifications of the instance. <p>To modify the number of replicas in a multi-AZ instance, <code>NodeSet</code> must be passed in.</p>
NodeSet.N	No	Array of RedisNodeInfo	<p>Additional information for adding replicas for multi-AZ instances, including replica AZ and type (<code>NodeType</code> is <code>1</code>). This parameter is not required for single-AZ instances.</p>

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

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

{
  "InstanceId": "crs-5qlr****",
  "MemSize": "4096",
  "RedisShardNum": 5,
  "RedisReplicasNum": 3
}
```

Output Example

```
{
  "Response": {
    "DealId": "6954227",
    "RequestId": "4daddc97-0005-45d8-b5b8-38514ec1e97c"
  }
}
```

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.PayFailed	Payment failed.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.MemSizeNotInRange	The requested capacity is out of the purchasable capacity range.
InvalidParameterValue.ReduceCapacityNotAllowed	The request capacity is too small. Capacity reduction is not supported.
InvalidParameterValue.SpecNotExist	The instance specification doesn't exist.
LimitExceeded	The quota limit has been reached.
LimitExceeded.InvalidMemSize	The requested capacity is out of the purchasable specification range (<code>memSize</code> should be an integer multiple of 1,024 in MB).
ResourceInsufficient	The resource is insufficient.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.AccountBalanceNotEnough	The request order number does not exist.

ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
ResourceUnavailable.SaleOut	Resources of the specified type in the region are sold out.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.

DescribeInstanceEvents

Last updated : 2024-04-15 11:08:57

1. API Description

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

This API is used to query the event information on a TencentDB for Redis 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: DescribeInstanceEvents.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
ExecutionStartDate	Yes	String	Configures the start date for querying the event execution schedule.
ExecutionEndDate	Yes	String	Configures the end date for querying the event execution schedule.
InstanceId	No	String	Specifies the instance ID. Example: crs-xjhdsj****. Log in to the TencentDB for Redis console and copy the instance ID in the instance list.
PageSize	No	Integer	Outputs the number of events displayed per page. Default value: 10.

PageNo	No	Integer	Configures the page number for querying events. You can query events on a certain page by specifying PageNo and PageSize. Default value: 1.
Status.N	No	Array of String	Current status of the event.- Waiting: The event is waiting for execution on the execution date or during the operations period.- Running: The event is being executed during the operations period.- Finished: Execution of the event is completed.- Canceled: Execution of the event is canceled.
EventTypes.N	No	Array of String	Event type. Currently, the type can only be related to instance migration, resource movement, and IDC deletion. This parameter can be set only to InstanceMigration .
Grades.N	No	Array of String	Configures the level of the queried event. Events are divided into Critical, High, Medium, and Low events according to the severity and urgency.- Critical- High- Medium- Low

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of events.
RedisInstanceEvents	Array of RedisInstanceEvent	Instance event information.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying Instance Events

This example shows you how to query instance events.

Input Example

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



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

{
  "InstanceId": "crs-b6wst31p",
  "PageSize": 20,
  "PageNo": 1,
  "ExecutionStartDate": "2023-10-04",
  "ExecutionEndDate": "2023-10-04",
  "Grades": [
    "Low"
  ],
  "Status": [
    "Waiting"
  ],
  "EventTypes": [
    "InstanceMigration"
  ]
}
```

Output Example

```
{
  "Response": {
    "RedisInstanceEvents": [
      {
        "EffectInfo": "Momentary disconnection that lasts for several seconds will occur after the migration is completed.",
        "EndTime": "22:00",
        "ExecutionDate": "2023-09-18",
        "Grade": "Low",
        "ID": 10,
        "InitialExecutionDate": "2023-08-19",
        "InstanceId": "crs-b6wst31p",
        "InstanceName": "benyqhuang8",
        "LatestExecutionDate": "2023-09-18",
        "StartTime": "21:00",
        "Status": "Waiting",
        "TaskEndTime": "0000-00-00 00:00:00",
        "Type": "InstanceMigration"
      }
    ],
    "RequestId": "36a33a3d-f9ce-47c1-87d0-84869a37466d",
    "TotalCount": 1
  }
}
```

```
}  
}
```

5. Developer Resources

SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter.ActionNotFound	The corresponding API was not found.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

UnsupportedOperation.InstanceNotOperation

Unsupported operation

ModifyInstanceAvailabilityZones

Last updated : 2024-04-03 11:33:05

1. API Description

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

This API is used to change the availability zone of 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: ModifyInstanceAvailabilityZones.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Specify the instance ID. For example: crs-xjhdsj****, please log in to the [Redis Console] (https://console.tencentcloud.com/redis#/) and copy the instance ID from the instance list.
SwitchOption	Yes	Integer	Switch time. - 1: Switch during the maintenance window. - 2: Switch immediately.
NodeSet.N	Yes	Array of RedisNodeInfo	Instance node information includes the node ID, node type, and node availability zone ID, and so on. For specific

information, please see [RedisNodeInfo](#) .
For instances in a single availability zone, there is no need to configure the NodeId. For instances in multiple availability zones, the NodeId is required to configure.

3. Output Parameters

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

4. Example

Example1 Sample 1

This example shows you how to change the availability zones of multiple AZ instances (time window switch).

Input Example

```
POST / HTTP/1.1
Host: redis.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyInstanceAvailabilityZones
<Common request parameters>
{
  "InstanceId": "crs-rrhr1lm6",
  "SwitchOption": 1,
  "NodeSet": [
    {
      "NodeId": 339472,
      "NodeType": 0,
      "ZoneId": 100004
    },
    {
      "NodeId": 339473,
      "NodeType": 1,
      "ZoneId": 100003
    }
  ]
}
```

```
},  
{  
  "NodeId": 339549,  
  "NodeType": 1,  
  "ZoneId": 100003  
}  
]  
}
```

Output Example

```
{  
  "Response": {  
    "RequestId": "27c0d6e8-9894-42e0-a03b-814a204437ba",  
    "TaskId": 2031290200  
  }  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.Unknown	Invalid data is entered for weekday.
InternalError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.UnSupportedType	The instance type is not supported.
LimitExceeded.ReplicationGroupLocked	Replication group locked
ResourceInsufficient	The resource is insufficient.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnsupportedOperation.InstanceNotOperation	Unsupported operation

ModifyInstanceEvent

Last updated : 2024-04-15 11:08:56

1. API Description

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

This API is used to modify the operations event execution schedule 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: ModifyInstanceEvent.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Specifies the instance ID. Example: crs-xjhsdj****. Log in to the TencentDB for Redis console and copy the instance ID in the instance list.
EventId	Yes	Integer	Event ID. Obtain the ID of the event to be modified using DescribeInstanceEvents.
StartTime	No	String	Modifies the scheduled start time of event execution.
EndTime	No	String	Modifies the scheduled end time of event execution. After the start time is configured, the end time can only be 30 minutes, 1 hour, 1.5 hours, 2 hours, or 3 hours later than the start time.

ExecutionDate	No	String	Modifies the start date of the event execution schedule.
Status	No	String	Modifies the running status of the event. Currently, this parameter can be set only to Canceled , indicating that the execution of the current event is canceled. You can query the running status and level of the current event using DescribeInstanceEvents. - Critical or High events cannot be canceled, which means that they must be executed. - Only events in the Waiting state (to be executed) can be canceled.

3. Output Parameters

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

4. Example

Example1 Modifying Instance Event Information

This example shows you how to modify the instance event information.

Input Example

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

{
  "InstanceId": "crs-b6wst31p",
  "EventId": 10,
  "StartTime": "22:00",
  "EndTime": "23:01",
  "ExecutionDate": "2023-09-18"
}
```

Output Example

```
{
  "Response": {
    "EventId": 10,
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.

InvalidParameter.InvalidParameter	Invalid service parameter.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnsupportedOperation.InstanceNotOperation	Unsupported operation

SwitchAccessNewInstance

Last updated : 2024-04-03 11:32:58

1. API Description

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

This API is used to immediately switch instances that are in the time window pending switch operation. Users can manually initiate this operation.

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: SwitchAccessNewInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceid	Yes	String	Specify the instance ID. For example: crs-xjhsdj****. Please log in to the [Redis Console] (https://console.tencentcloud.com/redis#/) and copy the instance ID from the instance list. Sample value: crs-asdasdas.

3. Output Parameters

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

4. Example

Example1 Sample 1

Input Example

```
POST / HTTP/1.1
Host: redis.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: SwitchAccessNewInstance
<Common request parameters>
{
  "InstanceId": "crs-kf*****"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "dc7c5c1b-e0b4-4cbc-a1bf-b6fea3be9500"
  }
}
```

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
InternalServerError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

DescribeInstanceSupportFeature

Last updated : 2024-04-03 11:33:20

1. API Description

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

This API (DescribeInstanceSupportFeature) is used to query the supported features of 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: DescribeInstanceSupportFeature.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Specify the instance ID. For example: crs-xjhdsj****. Please log in to the [Redis Console] (https://console.tencentcloud.com/redis#/) and copy the instance ID from the instance list. Sample value: crs-asdasdas.
FeatureName	Yes	String	Feature names. - Read-local-node-only: Proximity access feature.- multi-account: Multiple accounts feature.

3. Output Parameters

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

4. Example

Example1 Sample 1

This example shows you how to query whether proximity access is supported.

Input Example

```
POST / HTTP/1.1
Host: redis.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeInstanceSupportFeature
<Common request parameters>
{
  "InstanceId": "crs-fhsw2mh4",
  "FeatureName": "read-local-node-only"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "60b6c537-1021-4360-a7b9-90feaca647a1",
    "Support": 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
InternalServerError.InternalError	Internal error.
InvalidParameter.ActionNotFound	The corresponding API was not found.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.

Parameter Management APIs

ApplyParamsTemplate

Last updated : 2024-04-03 11:32:44

1. API Description

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

This API is used to apply a parameter template to instances.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ApplyParamsTemplate.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	List of instance IDs
TemplateId	Yes	String	ID of the parameter template to be applied

3. Output Parameters

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

4. Example

Example1 Modifying instance parameters

Input Example

```
https://redis.tencentcloudapi.com/?Action=ApplyParamsTemplate
&InstanceIds.0=crs-5a4py64p
&TemplateId=crs-cfg-rhlppeye
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskIds": [
      212,
      213,
      214
    ],
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.CallOssError	Failed to call the backend API.
ResourceUnavailable.InstanceConfError	An instance configuration error occurred.
ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceStateError	Instance status error.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.

UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
--	-----------------------------------

CreateParamTemplate

Last updated : 2024-04-03 11:32:43

1. API Description

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

This API is used to create a parameter template.

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: CreateParamTemplate.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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.
ProductType	No	Integer	Instance type. Valid values: 1 (Redis 2.8 Memory Edition in cluster architecture), 2 (Redis 2.8 Memory Edition in standard architecture), 3 (CKV 3.2 Memory Edition in standard architecture), 4 (CKV 3.2 Memory Edition in cluster architecture), 5 (Redis 2.8 Memory Edition in standalone architecture), 6 (Redis 4.0 Memory Edition in

			standard architecture), 7 (Redis 4.0 Memory Edition in cluster architecture), 8 (Redis 5.0 Memory Edition in standard architecture), 9 (Redis 5.0 Memory Edition in cluster architecture). If <code>TemplateId</code> is specified, this parameter can be left blank; otherwise, it is required.
TemplateId	No	String	ID of the source parameter template.
ParamList.N	No	Array of InstanceParam	Parameter list.

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

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

{
  "ParamList": [
    {
      "Value": "120",
      "Key": "timeout"
    }
  ],
  "TemplateId": "crs-cfg-sa23d5d3",
```

```
"Description": "MyCustomParamTemplate",
"ProductType": 6,
"Name": "CustomParamTemplate"
}
```

Output Example

```
{
  "Response": {
    "TemplateId": "crs-cfg-sa23d5a2",
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

DeleteParamTemplate

Last updated : 2024-04-03 11:32:43

1. API Description

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

This API is used to delete a parameter template.

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: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
TemplateId	Yes	String	Parameter template ID.

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

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

{
  "TemplateId": "crs-cfg-sa23d5d3"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

DescribeInstanceParamRecords

Last updated : 2024-04-03 11:32:42

1. API Description

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

This API is used to query the list of parameter modifications.

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: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
Limit	No	Integer	Maximum number of results returned per page
Offset	No	Integer	Offset, which is an integral multiple of <code>Limit</code> .

3. Output Parameters

--	--	--

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

4. Example

Example1 Querying the list of parameter modifications

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceParamRecords
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "InstanceParamHistory": [
      {
        "ModifyTime": "2019-01-07 11:28:58",
        "NewValue": "511",
        "ParamName": "hash-max-ziplist-entries",
        "PreValue": "512",
        "Status": 2
      },
      {
        "ModifyTime": "2019-01-07 11:28:48",
        "NewValue": "15001",
        "ParamName": "cluster-node-timeout",
        "PreValue": "15000",
        "Status": 2
      }
    ],
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522",
    "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++](#)

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.

UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.

DescribeInstanceParams

Last updated : 2024-04-03 11:32:41

1. API Description

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

This API is used to query the parameter 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: DescribeInstanceParams.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhdsj*****" Log in to the Redis console and copy the instance ID in the instance list.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of the parameter lists

InstanceEnumParam	Array of InstanceEnumParam	Instance parameter in Enum type
InstanceIntegerParam	Array of InstanceIntegerParam	Instance parameter in Integer type
InstanceTextParam	Array of InstanceTextParam	Instance parameter in Char type
InstanceMultiParam	Array of InstanceMultiParam	Instance parameter in Multi type
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of instance parameters

This example shows you how to query the parameter information of a specified instance.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceParams&InstanceId=crs-5a4p****&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "InstanceEnumParam": [
      {
        "CurrentValue": "yes",
        "DefaultValue": "yes",
        "EnumValue": [
          "yes",
          "no"
        ],
        "NeedRestart": "false",
        "ParamName": "lazyfree-lazy-eviction",
        "Status": 2,
        "Tips": "lazyfree switch on eviction",
```

```
"ValueType": "enum"
},
{
  "CurrentValue": "yes",
  "DefaultValue": "yes",
  "EnumValue": [
    "yes",
    "no"
  ],
  "NeedRestart": "false",
  "ParamName": "lazyfree-lazy-expire",
  "Status": 2,
  "Tips": "lazyfree switch on expire",
  "ValueType": "enum"
},
{
  "CurrentValue": "yes",
  "DefaultValue": "yes",
  "EnumValue": [
    "yes",
    "no"
  ],
  "NeedRestart": "lazyfree-lazy-server-del",
  "Status": 2,
  "Tips": "lazyfree switch on server implicit deletion",
  "ValueType": "enum"
},
{
  "CurrentValue": "noeviction",
  "DefaultValue": "noeviction",
  "EnumValue": [
    "volatile-lru",
    "volatile-lfu",
    "allkeys-lru",
    "allkeys-lfu",
    "volatile-random",
    "allkeys-random",
    "volatile-ttl",
    "noeviction"
  ],
  "NeedRestart": "false",
  "ParamName": "maxmemory-policy",
  "Status": 2,
  "Tips": "How Redis will select what to remove when maxmemory is reached",
  "ValueType": "enum"
},
{
```

```
"CurrentValue": "yes",
"DefaultValue": "yes",
"EnumValue": [
  "yes",
  "no"
],
"NeedRestart": "false",
"ParamName": "replica-lazy-flush",
"Status": 2,
"Tips": "lazyfree switch on full resynchronization",
"ValueType": "enum"
},
{
  "CurrentValue": "no",
  "DefaultValue": "no",
  "EnumValue": [
    "yes",
    "no"
  ],
  "NeedRestart": "false",
  "ParamName": "sentinelauth",
  "Status": 2,
  "Tips": "Executing a sentinel order eliminates the password",
  "ValueType": "enum"
}
],
"InstanceIntegerParam": [
  {
    "CurrentValue": "15000",
    "DefaultValue": "15000",
    "Max": "120000",
    "Min": "15000",
    "NeedRestart": "false",
    "ParamName": "cluster-node-timeout",
    "Status": 2,
    "Tips": "Cluster node timeout is the amount of milliseconds a node must be unreachable for it to be considered in failure state",
    "Unit": "",
    "ValueType": "integer"
  },
  {
    "CurrentValue": "512",
    "DefaultValue": "512",
    "Max": "10000",
    "Min": "1",
    "NeedRestart": "false",
    "ParamName": "hash-max-ziplist-entries",
```

```
"Status": 2,
"Tips": "Hashes are encoded using a memory efficient data structure when they hav
e a small number of entries",
"Unit": "",
"ValueType": "integer"
},
{
"CurrentValue": "64",
"DefaultValue": "64",
"Max": "10000",
"Min": "1",
"NeedRestart": "false",
"ParamName": "hash-max-ziplist-value",
"Status": 2,
"Tips": "Hashes are encoded using a memory efficient data structure when the bigg
est entry does not exceed a given threshold",
"Unit": "",
"ValueType": "integer"
},
{
"CurrentValue": "10",
"DefaultValue": "10",
"Max": "500",
"Min": "1",
"NeedRestart": "false",
"ParamName": "hz",
"Status": 2,
"Tips": "The frequency at which Redis background tasks are performed. A higher va
lue results in higher CPU consumption but smaller latency. We recommend that you
do not specify a value larger than 100.",
"Unit": "",
"ValueType": "integer"
},
{
"CurrentValue": "500",
"DefaultValue": "500",
"Max": "1000",
"Min": "10",
"NeedRestart": "false",
"ParamName": "proxy-slowlog-log-slower-than",
"Status": 2,
"Tips": "the commands over this time will in proxy",
"Unit": "ms",
"ValueType": "integer"
},
{
"CurrentValue": "512",
```

```
"DefaultValue": "512",
"Max": "10000",
"Min": "1",
"NeedRestart": "false",
"ParamName": "set-max-intset-entries",
"Status": 2,
"Tips": "When a set is composed of just strings that happen to be integers in radix 10 in the range of 64 bit signed integers.",
"Unit": "",
"ValueType": "integer"
},
{
"CurrentValue": "10",
"DefaultValue": "10",
"Max": "1000",
"Min": "1",
"NeedRestart": "false",
"ParamName": "slowlog-log-slower-than",
"Status": 2,
"Tips": "Over this time the command is recorded in us.a negative number disables the slow log,a value of zero forces the logging of every command",
"Unit": "ms",
"ValueType": "integer"
},
{
"CurrentValue": "31536000",
"DefaultValue": "31536000",
"Max": "2147483647",
"Min": "60",
"NeedRestart": "false",
"ParamName": "timeout",
"Status": 2,
"Tips": "Close the connection after a client is idle for N seconds",
"Unit": "",
"ValueType": "integer"
},
{
"CurrentValue": "128",
"DefaultValue": "128",
"Max": "10000",
"Min": "1",
"NeedRestart": "false",
"ParamName": "zset-max-ziplist-entries",
"Status": 2,
"Tips": "Sorted sets are encoded using a memory efficient data structure when they have a small number of entries.",
"Unit": "",
```

```
"ValueType": "integer"
},
{
  "CurrentValue": "64",
  "DefaultValue": "64",
  "Max": "10000",
  "Min": "1",
  "NeedRestart": "false",
  "ParamName": "zset-max-ziplist-value",
  "Status": 2,
  "Tips": "Sorted sets are encoded using a memory efficient data structure when the biggest entry does not exceed a given threshold.",
  "Unit": "",
  "ValueType": "integer"
}
],
"InstanceMultiParam": [
  {
    "CurrentValue": "\\\"\\\"",
    "DefaultValue": "\\\"\\\"",
    "EnumValue": [
      "flushall",
      "flushdb",
      "keys",
      "hgetall",
      "eval",
      "evalsha",
      "script",
      "scan",
      "psetex",
      "set",
      "hmset",
      "hset",
      "lpush",
      "rpush",
      "sadd",
      "zadd",
      "del",
      "mget",
      "mset",
      "bitop",
      "exists",
      "msetnx",
      "blpop",
      "brpop",
      "rpoplpush",
      "brpoplpush",

```

```
"smove",
"sunion",
"sinter",
"sdiff",
"sunionstore",
"sinterstore",
"sdiffstore",
"zunionstore",
"zinterstore",
"pfmerge",
"pfcount"
],
"NeedRestart": "false",
"ParamName": "disable-command-list",
>Status": 2,
"Tips": "commands in such config will not be allowed to run in this instance,you can config multi commands like this 'flushdb,keys'",
"ValueType": "multi"
},
"InstanceTextParam": [
{
"CurrentValue": "\\\"\\\"",
"DefaultValue": "\\\"\\\"",
"NeedRestart": "false",
"ParamName": "notify-keyspace-events",
>Status": 2,
"TextValue": [
"K",
"E",
"g",
"$",
"l",
"s",
"h",
"z",
"x",
"e",
"A"
],
"Tips": "Changes in key space notification to registered clients",
"ValueType": "text"
}
],
"RequestId": "a4abf600-2813-4c5b-a3f8-fc4268efd151",
"TotalCount": 18
```



```
}  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.

DescribeInstanceSecurityGroup

Last updated : 2024-04-03 11:32:41

1. API Description

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

This API is used to query the security group information 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: DescribeInstanceSecurityGroup.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceIds.N	Yes	Array of String	List of instance IDs, such as "crs-f2ho5rsz\n".

3. Output Parameters

Parameter Name	Type	Description
InstanceSecurityGroupsDetail	Array of	Security group information of an instance

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

4. Example

Example1 Sample request

This example shows you how to query a security group.

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceSecurityGroup&InstanceIds=crs-f2ho****&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "InstanceSecurityGroupsDetail": [
      {
        "InstanceId": "crs-f2ho****",
        "SecurityGroupDetails": [
          {
            "CreateTime": "2018-01-30 15:58:00",
            "InboundRule": [
              {
                "Action": "ACCEPT",
                "Ip": "0.0.0.0/0",
                "Port": "ALL",
                "Proto": "ALL"
              },
              {
                "Action": "ACCEPT",
                "Ip": "0.0.0.0/0",
                "Port": "ALL",
                "Proto": "ALL"
              }
            ]
          }
        ]
      }
    ]
  }
}
```

```
"OutboundRule": [
  {
    "Action": "ACCEPT",
    "Ip": "0.0.0.0/0",
    "Port": "ALL",
    "Proto": "ALL"
  }
],
"ProjectId": 0,
"SecurityGroupId": "sg-gl1egaj1",
"SecurityGroupName": "all",
"SecurityGroupRemark": ""
}
]
}
],
"RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
}
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation	The operation is not supported.

DescribeParamTemplates

Last updated : 2024-04-03 11:32:40

1. API Description

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

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

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: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
ProductTypes.N	No	Array of Integer	Array of instance types. Valid values: 1 (Redis 2.8 Memory Edition in cluster architecture), 2 (Redis 2.8 Memory Edition in standard architecture), 3 (CKV 3.2 Memory Edition in standard architecture), 4 (CKV 3.2 Memory Edition in cluster architecture), 5 (Redis 2.8 Memory Edition in standalone architecture), 6 (Redis 4.0 Memory Edition in standard architecture), 7 (Redis 4.0 Memory Edition in cluster architecture), 8 (Redis 5.0 Memory Edition in standard architecture), 9 (Redis 5.0 Memory Edition in cluster architecture).

TemplateNames.N	No	Array of String	Array of template names.
TemplateIds.N	No	Array of String	Array of template IDs.

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

4. Example

Example1 Sample request

Input Example

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

{ }
```

Output Example

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



```
"TotalCount": 1,
"RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db",
"Items": [
{
"Name": "CustomParamTemplate",
"Description": "MyCustomParamTemplate",
"ProductType": 6,
"TemplateId": "crs-cfg-sa23d5d3"
}
]
}
}
```

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.SystemError	Internal system error, which is irrelevant to the business.

InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

DescribeProjectSecurityGroup

Last updated : 2024-04-03 11:32:39

1. API Description

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

This API is used to query the security group information of a project.

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: DescribeProjectSecurityGroup.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectId	No	Integer	0: default project; -1: all projects; >0: specified project
SecurityGroupId	No	String	Security group ID

3. Output Parameters

Parameter Name	Type	Description

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

4. Example

Example1 Querying the security group information of project

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeProjectSecurityGroup
&SecurityGroupId=sg-gllegaj1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "4cc888c8-cc1c-4a77-9259-dd0f6907b559",
    "SecurityGroupDetails": [
      {
        "CreateTime": "2018-01-30 15:58:00",
        "InboundRule": [
          {
            "Action": "ACCEPT",
            "Ip": "0.0.0.0/0",
            "Port": "ALL",
            "Proto": "ALL"
          },
          {
            "Action": "ACCEPT",
            "Ip": "0.0.0.0/0",
            "Port": "ALL",
            "Proto": "ALL"
          }
        ],
        "OutboundRule": [
          {
            "Action": "ACCEPT",
            "Ip": "0.0.0.0/0",
```

```
"Port": "ALL",
"Proto": "ALL"
},
],
"ProjectId": 0,
"SecurityGroupId": "sg-gl1legaj1",
"SecurityGroupName": "all",
"SecurityGroupRemark": ""
}
]
}
}
```

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.SystemError	Internal system error, which is irrelevant to the business.

InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceUnavailable.GetSecurityError	Failed to get the security group information.
ResourceUnavailable.SecurityGroupNotSupported	The product has not been connected to any security group.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

ModifyConnectionConfig

Last updated : 2024-04-15 11:08:54

1. API Description

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

This API is used to modify the connection configuration of an instance, including the bandwidth and maximum number of connections.

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: ModifyConnectionConfig.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID, which can contain 12 to 36 characters.
Bandwidth	No	Integer	Additional bandwidth in MB, which should be greater than 0.
ClientLimit	No	Integer	Total number of connections of a single shard. When read-only replicas are not enabled, the lower limit is 10,000, and the upper limit is 40,000. When read-only replicas are enabled, the lower limit is 10,000, and the upper limit is 10,000 × (the number of read-only replicas + 3).

3. Output Parameters

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

4. Example

Example1 Request Sample

Input Example

```
https://redis.tencentcloudapi.com/?Action=ModifyConnectionConfig
&InstanceId=crs-cpz6b1fn
&Bandwidth=5
&ClientLimit=20000
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "950088b4-c71f-4bb3-ae6d-a0d0569f8666",
    "TaskId": 95027
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

ModifyInstanceParams

Last updated : 2024-04-03 11:32:39

1. API Description

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

This API is used to modify the parameters of TencentDB for Redis instances

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyInstanceParams.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
InstanceParams.N	Yes	Array of InstanceParam	List of instance parameters modified

3. Output Parameters

--	--	--

Parameter Name	Type	Description
Changed	Boolean	Whether the parameter is modified successfully. <ul style="list-style-type: none"><code>True</code> : Yes<code>False</code> : No
TaskId	Integer	ID of the task
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying Instance Parameters

Input Example

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

{
  "InstanceId": "crs-5a4py64p",
  "InstanceParams": [
    {
      "Value": "120",
      "Key": "timeout"
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "Changed": false,
    "TaskId": 327,
    "RequestId": "e546784b-709c-401d-aba6-73037eb4e522"
  }
}
```

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.UnSupportError	The instance does not support this API.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.CallOssError	Failed to call the backend API.

ResourceUnavailable.InstanceConfError	An instance configuration error occurred.
ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceStateError	Instance status error.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

ModifyParamTemplate

Last updated : 2024-04-03 11:32:38

1. API Description

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

This API is used to modify a parameter template.

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: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
TemplateId	Yes	String	ID of the source parameter template.
Name	No	String	New name after the parameter template is modified.
Description	No	String	New description after the parameter template is modified.
ParamList.N	No	Array of InstanceParam	New parameter list after the parameter template is modified.

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

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

{
  "ParamList": [
    {
      "Value": "120",
      "Key": "timeout"
    }
  ],
  "TemplateId": "crs-cfg-sa23d5d3",
  "Description": "MyCustomParamTemplate",
  "Name": "CustomParamTemplate"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.

Other APIs

AssociateSecurityGroups

Last updated : 2024-04-03 11:32:48

1. API Description

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

This API is used to bind a security group to instances 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: AssociateSecurityGroups.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Product	Yes	String	Database engine name, which is <code>redis</code> for this API.
SecurityGroupId	Yes	String	ID of the security group to be associated in the format of sg-efil73jd.
InstanceIds.N	Yes	Array of String	ID(s) of the instance(s) to be associated in the format of ins-lesecurk. You can specify multiple instances.

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

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

{
  "Product": "redis",
  "SecurityGroupId": "sg-ajr1jzgj",
  "InstanceIds": [
    "crs-eb2w7dto"
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "1a42feb9-82087f71-6a0031ac-699a92a1"
  }
}
```

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.AddInstanceInfoFailed	Failed to add the security group information of the instance.
FailedOperation.AssociateSecurityGroupsFailed	Failed to associate the security group.
FailedOperation.ClearInstanceInfoFailed	Failed to clear the security group information of the instance.
FailedOperation.DisassociateSecurityGroupsFailed	Failed to unbind the security group.
FailedOperation.UpdateSecurityGroupsFailed	Failed to update the security group.
InternalError.InstanceOperatePermissionError	You do not have the operation permission.
InternalError.ListInstancesError	An error occurred while obtaining the list of instances. Try again later.
InvalidParameter.InstanceSGOverLimitError	The security groups of the instance exceeds the limit.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

DescribeDBSecurityGroups

Last updated : 2024-04-03 11:32:47

1. API Description

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

This API 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: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Product	Yes	String	Database engine name, which is <code>redis</code> for this API.
InstanceId	Yes	String	ID of the specified instance, such as "crs-xjhdsj*****" Log in to the Redis console and copy the instance ID in the instance list.

3. Output Parameters

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

Name		
Groups	Array of SecurityGroup	Security group rules
VIP	String	Private IPv4 address of an instance
VPort	String	Private network port
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

This example shows you how to query the security group information of a specified instance.

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeDBSecurityGroups<Common request parameters>{ "Product": "redis", "InstanceId": "crs-m1kxv1kf" }
```

Output Example

```
{
  "Response": {
    "Groups": [
      {
        "CreateTime": "2023-04-26 17:40:29",
        "Inbound": [
          {
            "Action": "ACCEPT",
            "AddressModule": "",
            "CidrIp": "106.55.103.75",
            "Desc": "",
            "Id": "",
            "IpProtocol": "tcp",
            "PortRange": "8000",
            "ServiceModule": ""
          },
          {
```

```
"Action": "ACCEPT",
"AddressModule": "",
"CidrIp": "119.147.10.191",
"Desc": "bro-local public network IP",
"Id": "",
"IpProtocol": "tcp",
"PortRange": "8000",
"ServiceModule": ""
},
{
"Action": "ACCEPT",
"AddressModule": "",
"CidrIp": "43.136.90.27",
"Desc": "CVM-public network",
"Id": "",
"IpProtocol": "tcp",
"PortRange": "8000",
"ServiceModule": ""
}
],
"Outbound": [],
"ProjectId": 0,
"SecurityGroupId": "sg-7y0pa6nf",
"SecurityGroupName": "test_lb",
"SecurityGroupRemark": "custom"
}
],
"RequestId": "d6b8d050-f113-4db3-a85e-ca8122deddce",
"VIP": "10.0.4.13",
"VPort": "6379"
}
}
```

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.AddInstanceInfoFailed	Failed to add the security group information of the instance.
FailedOperation.AssociateSecurityGroupsFailed	Failed to associate the security group.
FailedOperation.ClearInstanceInfoFailed	Failed to clear the security group information of the instance.
FailedOperation.DisassociateSecurityGroupsFailed	Failed to unbind the security group.
FailedOperation.GetSecurityGroupDetailFailed	Failed to query the security group details. Try again later.
InternalError.CamAuthOssResponseReturnCodeError	A CAM authentication error occurred.
InternalError.ExecHttpRequestError	Failed to execute the HTTP request. Try again later.
InternalError.ListInstancesError	An error occurred while obtaining the list of instances. Try again later.
InternalError.NetWorkErr	A network error occurred.
InvalidParameter.ActionNotFound	The corresponding API was not found.
InvalidParameter.IllegalParameterError	Invalid parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotFound	The instance was not found.

DescribeProjectSecurityGroups

Last updated : 2024-04-03 11:32:47

1. API Description

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

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

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: DescribeProjectSecurityGroups.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Product	Yes	String	Database engine name, which is <code>redis</code> for this API.
ProjectId	Yes	Integer	Project ID
Offset	No	Integer	Offset, which is an integral multiple of <code>Limit</code> .
Limit	No	Integer	The number of security groups to be pulled. Default value: <code>20</code> .
SearchKey	No	String	Search criteria. You can enter a security group ID or name.

3. Output Parameters

Parameter Name	Type	Description
Groups	Array of SecurityGroup	Security group rules.
Total	Integer	Total number of eligible security groups.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

Input Example

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

{
  "ProjectId": "11954",
  "Product": "redis"
}
```

Output Example

```
{
  "Response": {
    "Total": 1,
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A1",
    "Groups": [
      {
        "Outbound": [],
        "SecurityGroupName": "CDB",
        "Inbound": [],
        "ProjectId": 0,

```

```
"SecurityGroupId": "sg-ajr1jzgj",
"SecurityGroupRemark": "",
"CreateTime": "2017-04-13 15:00:06"
}
]
}
}
```

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.AddInstanceInfoFailed	Failed to add the security group information of the instance.
FailedOperation.AssociateSecurityGroupsFailed	Failed to associate the security group.
FailedOperation.ClearInstanceInfoFailed	Failed to clear the security group information of the instance.

FailedOperation.DisassociateSecurityGroupsFailed	Failed to unbind the security group.
FailedOperation.DtsStatusAbnormal	This operation is not allowed under the current DTS status.
FailedOperation.FlowNotExists	No process exists.
InvalidParameter.ActionNotFound	The corresponding API was not found.
InvalidParameter.IllegalParameterError	Invalid parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

DisassociateSecurityGroups

Last updated : 2024-04-03 11:32:46

1. API Description

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

This API is used to unbind a security group from instances 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: DisassociateSecurityGroups.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Product	Yes	String	Database engine name, which is <code>redis</code> 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.

3. Output Parameters

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

4. Example

Example1 Sample

Input Example

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

{
  "Product": "redis",
  "SecurityGroupId": "sg-ajr1jzgj",
  "InstanceIds": [
    "crs-eb2w7dto"
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "1a42feb9-82087f71-6a0031ac-699a92a1"
  }
}
```

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.AddInstanceInfoFailed	Failed to add the security group information of the instance.
FailedOperation.AssociateSecurityGroupsFailed	Failed to associate the security group.
FailedOperation.ClearInstanceInfoFailed	Failed to clear the security group information of the instance.
FailedOperation.DisassociateSecurityGroupsFailed	Failed to unbind the security group.
InternalError.InstanceOperatePermissionError	You do not have the operation permission.
InternalError.ListInstancesError	An error occurred while obtaining the list of instances. Try again later.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotFound	The instance was not found.

ModifyDBInstanceSecurityGroups

Last updated : 2024-04-03 11:32:45

1. API Description

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

This API is used to modify the security groups bound to 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: ModifyDBInstanceSecurityGroups.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Product	Yes	String	Database engine name, which is <code>redis</code> for this API.
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.
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
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample

Input Example

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

{
  "InstanceId": "crs-eb2w7dto",
  "Product": "redis",
  "SecurityGroupIds": [
    "sg-ajr1jzgj"
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "1a42feb9-82087f71-6a0031ac-699a92a1"
  }
}
```

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.AddInstanceInfoFailed	Failed to add the security group information of the instance.
FailedOperation.AssociateSecurityGroupsFailed	Failed to associate the security group.
FailedOperation.ClearInstanceInfoFailed	Failed to clear the security group information of the instance.
FailedOperation.DisassociateSecurityGroupsFailed	Failed to unbind the security group.
FailedOperation.GetSecurityGroupDetailFailed	Failed to query the security group details. Try again later.
FailedOperation.SetRuleLocationFailed	Failed to set the rule.
FailedOperation.UpdateInstanceInfoFailed	Failed to update the security group information of the instance.
FailedOperation.UpdateSecurityGroupsFailed	Failed to update the security group.
InternalError.InstanceOperatePermissionError	You do not have the operation permission.
InternalError.ListInstancesError	An error occurred while obtaining the list of instances.

	Try again later.
InvalidParameter.InstanceSGOverLimitError	The security groups of the instance exceeds the limit.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

SwitchInstanceVip

Last updated : 2024-04-03 11:32:45

1. API Description

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

This API is used to swap the VIPs of instances for instance disaster recovery switch in scenarios where cross-AZ disaster recovery is supported through DTS. After the VIPs of the source and target instances are swapped, the target instance can be written into and the DTS sync task between them will be disconnected.

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: SwitchInstanceVip.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
SrcInstanceid	Yes	String	Source instance ID
DstInstanceid	Yes	String	Target instance ID
TimeDelay	No	Integer	The time that lapses in seconds since DTS is disconnected between the source instance and the target instance. If the DTS disconnection time period is greater than TimeDelay, the VIP will not be switched. We recommend you set an acceptable value based on the actual business conditions.

ForceSwitch	No	Integer	Whether to force the switch when DTS is disconnected. 1: yes; 0: no.
SwitchTime	No	String	now: switch now; syncComplete: switch after sync is completed

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=SwitchInstanceVip
&SrcInstanceId=crs-5a4py64p
&DstInstanceId=crs-1kl0iy0v
&ForceSwitch=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "9a6bd110-20fc-4e08-b77b-a5656cb6150c",
    "TaskId": 18491
  }
}
```

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.DtsStatusAbnormal	This operation is not allowed under the current DTS status.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
ResourceUnavailable.InstanceStateError	Instance status error.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.

Region APIs

DescribeProductInfo

Last updated : 2024-04-03 11:32:37

1. API Description

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

This API is used to query purchasable TencentDB for Redis specifications in all regions.

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: DescribeProductInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
RegionSet	Array of	Sale information of a region.

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

4. Example

Example1 Sample request

Input Example

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

{}
```

Output Example

```
{
  "Response": {
    "RegionSet": [
      {
        "RegionId": "ap-guangzhou",
        "RegionName": "Guangzhou",
        "RegionShortName": "GZ",
        "Area": "South China",
        "ZoneSet": [
          {
            "ZoneId": "ap-guangzhou-2",
            "ZoneName": "Guangzhou Zone 2",
            "IsSaleout": false,
            "IsDefault": false,
            "OldZoneId": 0,
            "NetworkType": [
              "basenet",
              "vpcnet"
            ],
            "ProductSet": [
              {
                "Type": 7,
```

```
"TypeName": "Redis Cluster Edition",
"MinBuyNum": 1,
"MaxBuyNum": 10,
"Saleout": false,
"Engine": "Redis Community Edition",
"Version": "Redis 4.0",
"TotalSize": [
  "12",
  "20",
  "32",
  "64",
  "96",
  "128",
  "256",
  "384",
  "512",
  "768",
  "1024",
  "2048",
  "3072",
  "4096"
],
"ShardSize": [
  "4",
  "8",
  "12",
  "16",
  "20",
  "24",
  "32"
],
"ReplicaNum": [
  "1",
  "2",
  "3",
  "4",
  "5"
],
"ShardNum": [
  "3",
  "5",
  "8",
  "12",
  "16",
  "24",
  "32",
  "40",
```



```
"48",
"64",
"80",
"96",
"128"
],
"PayMode": "1",
"EnableReplicaReadOnly": true
},
{
  "Type": 4,
  "TypeName": "CKV Cluster Edition",
  "MinBuyNum": 1,
  "MaxBuyNum": 10,
  "Saleout": false,
  "Engine": "Tencent Cloud CKV",
  "Version": "Redis 3.2",
  "TotalSize": [
    "12",
    "20",
    "32",
    "64",
    "96",
    "128",
    "256",
    "384",
    "512",
    "768",
    "1024",
    "2048",
    "3072",
    "4096"
  ],
  "ShardSize": [
    "4",
    "8",
    "16",
    "24",
    "32",
    "48",
    "64",
    "80",
    "96",
    "128",
    "160",
    "192",
    "256",
```

```
"320",
"384"
],
"ReplicaNum": [
"1",
"2",
"3",
"4",
"5"
],
"ShardNum": [
"3",
"5",
"8",
"12",
"16",
"24",
"32",
"40",
"48",
"64",
"80",
"96",
"128"
],
"PayMode": "1",
"EnableReplicaReadOnly": false
},
{
"Type": 2,
"TypeName": "Redis Master-Replica Edition",
"MinBuyNum": 1,
"MaxBuyNum": 10,
"Saleout": false,
"Engine": "Redis Community Edition",
"Version": "Redis 2.8",
"TotalSize": [
"1",
"2",
"4",
"8",
"12",
"16",
"20",
"24",
"32",
"40",
```

```
"48",
"60",
"0.25"
],
"ShardSize": [
"1",
"2",
"4",
"8",
"12",
"16",
"20",
"24",
"32",
"40",
"48",
"60",
"0.25"
],
"ReplicaNum": [
"1"
],
"ShardNum": [
"1"
],
"PayMode": "1",
"EnableReplicaReadOnly": false
},
{
"Type": 5,
"TypeName": "Redis Standalone Edition",
"MinBuyNum": 1,
"MaxBuyNum": 10,
"Saleout": false,
"Engine": "Redis Community Edition",
"Version": "Redis 2.8",
"TotalSize": [
"1",
"2",
"4",
"8",
"12",
"16",
"20",
"24",
"32",
"40",
```

```
"48",
"60"
],
"ShardSize": [
"1",
"2",
"4",
"8",
"12",
"16",
"20",
"24",
"32",
"40",
"48",
"60"
],
"ReplicaNum": [
"0"
],
"ShardNum": [
"1"
],
"PayMode": "1",
"EnableReplicaReadOnly": false
},
{
"Type": 2,
"TypeName": "Redis Master-Replica Edition",
"MinBuyNum": 1,
"MaxBuyNum": 10,
"Saleout": false,
"Engine": "Redis Community Edition",
"Version": "Redis 2.8",
"TotalSize": [
"1",
"2",
"4",
"8",
"12",
"16",
"20",
"24",
"32",
"40",
"48",
"60"
```

```
],
"ShardSize": [
  "1",
  "2",
  "4",
  "8",
  "12",
  "16",
  "20",
  "24",
  "32",
  "40",
  "48",
  "60"
],
"ReplicaNum": [
  "1"
],
"ShardNum": [
  "1"
],
"PayMode": "0",
"EnableReplicaReadOnly": false
},
{
  "Type": 3,
  "TypeName": "CKV Standalone Edition",
  "MinBuyNum": 1,
  "MaxBuyNum": 10,
  "Saleout": false,
  "Engine": "Tencent Cloud CKV",
  "Version": "Redis 3.2",
  "TotalSize": [
    "4",
    "8",
    "16",
    "24",
    "32",
    "48",
    "64",
    "80",
    "96",
    "128",
    "160",
    "192",
    "256",
    "320",
```

```
"384"  
],  
"ShardSize": [  
"4",  
"8",  
"16",  
"24",  
"32",  
"48",  
"64",  
"80",  
"96",  
"128",  
"160",  
"192",  
"256",  
"320",  
"384"  
],  
"ReplicaNum": [  
"0"  
],  
"ShardNum": [  
"1"  
],  
"PayMode": "1",  
"EnableReplicaReadOnly": false  
}  
]  
}  
]  
}  
],  
"RequestId": "3c5730c6-02f2-46fd-8bf1-725b8b608fb9"  
}  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalServerError.InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.PermissionDenied	The API has no CAM permissions.

Monitoring and Management APIs

DescribeInstanceMonitorBigKey

Last updated : 2024-04-03 11:32:53

1. API Description

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

The API for querying big keys of a TencentDB for Redis instance was disused on October 31, 2022. For more information, see [API for Querying Instance Big Key Will Be Disused](#).

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: DescribeInstanceMonitorBigKey.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ReqType	Yes	Integer	Request type. 1: string type; 2: all types
Date	Yes	String	Time, such as "20190219"

3. Output Parameters

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

4. Example

Example1 Sample request

Sample request

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeInstanceMonitorBigKey<Common request parameters>{ "InstanceId": "crs-5a4py64p", "Date": "20191101", "ReqType": "1"}
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "DB": 0,
        "Key": "abc",
        "Type": "abc",
        "Size": 0,
        "Updatetime": 0
      }
    ],
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

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

- [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.RedoFlowFailed	No exact description for this error code for the time being.

DescribeInstanceMonitorBigKeySizeDist

Last updated : 2024-04-03 11:32:53

1. API Description

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

The API for querying big keys of a TencentDB for Redis instance was disused on October 31, 2022. For more information, see [API for Querying Instance Big Key Will Be Disused](#).

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: DescribeInstanceMonitorBigKeySizeDist.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
Date	Yes	String	Time, such as "20190219"

3. Output Parameters

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

Name		
Data	Array of DelayDistribution	Big key size distribution details
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the delay distribution details of big keys of an instance

This example shows you how to query the delay distribution details of big keys of an instance.

Input Example

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

{
  "InstanceId": "crs-5a4py64p",
  "Date": "2019-11-07"
}
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "Ladder": 0,
        "Size": 0,
        "Updatetime": 0
      }
    ],
    "RequestId": "0e728fa9-c2e5-4bf8-8d6b-c1c4fab7b6db"
  }
}
```

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.RedoFlowFailed	No exact description for this error code for the time being.

DescribeInstanceMonitorBigKeyTypeDist

Last updated : 2024-04-03 11:32:52

1. API Description

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

The API for querying big keys of a TencentDB for Redis instance was disused on October 31, 2022. For more information, see [API for Querying Instance Big Key Will Be Disused](#).

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: DescribeInstanceMonitorBigKeyTypeDist.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
Date	Yes	String	Time, such as "20190219"

3. Output Parameters

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

Name		
Data	Array of BigKeyTypeInfo	Big key type distribution details
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Sample request

Sample request

Input Example

```
POST / HTTP/1.1Host: redis.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeInstanceMonitorBigKeyTypeDist<Common request parameters>{ "InstanceId": "crs-r34wkc1d", "Date": "2019-11-07"}
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "Count": 0,
        "Size": 0,
        "Type": "string",
        "Updatetime": 0
      },
      {
        "Count": 0,
        "Size": 0,
        "Type": "list",
        "Updatetime": 0
      },
      {
        "Count": 0,
        "Size": 0,
        "Type": "set",
        "Updatetime": 0
      },
    ],
  }
}
```

```
{
  "Count": 0,
  "Size": 0,
  "Type": "zset",
  "Updatetime": 0
},
{
  "Count": 0,
  "Size": 0,
  "Type": "hash",
  "Updatetime": 0
}
],
"RequestId": "e903f105-241c-4557-ae99-d4b5bbc015d8"
}
```

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.RedoFlowFailed	No exact description for this error code for the time being.

DescribeInstanceMonitorHotKey

Last updated : 2024-04-03 11:32:51

1. API Description

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

This API is used to query the hot key 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: DescribeInstanceMonitorHotKey.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
SpanType	Yes	Integer	Time span. 1: real time; 2: past 30 minutes; 3: past 6 hours; 4: past 24 hours

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceMonitorHotKey
&InstanceId=crs-r34wkc1d
&SpanType=4
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "Key": "haha",
        "Type": "string",
        "Count": 123
      }
    ],
    "RequestId": "20d64b80-cbac-49a0-8771-42e326db5c45"
  }
}
```

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.RedoFlowFailed	No exact description for this error code for the time being.

DescribeInstanceMonitorSIP

Last updated : 2024-04-03 11:32:51

1. API Description

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

This API is used to query the access source information 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: DescribeInstanceMonitorSIP.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
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
Data	Array of	Access source information

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceMonitorSIP
&InstanceId=crs-5a4py64p
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "Ip": "127.0.0.1",
        "Conn": 10,
        "Cmd": 10
      }
    ],
    "RequestId": "8c455eaf-383d-4b16-86cf-ccfc705c9107"
  }
}
```

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.RedoFlowFailed	No exact description for this error code for the time being.

DescribeInstanceMonitorTookDist

Last updated : 2024-04-03 11:32:50

1. API Description

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

This API is used to query the distribution of instance access duration.

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: DescribeInstanceMonitorTookDist.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
Date	Yes	String	Time, such as "20190219"
SpanType	Yes	Integer	Time span. 1: real time; 2: last 30 minutes; 3: last 6 hours; 4: last 24 hours

3. Output Parameters

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceMonitorTookDist
&InstanceId=crs-5a4py64p
&Date=2019-11-07
&SpanType=4
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "Ladder": -1,
        "Size": 0
      },
      {
        "Ladder": 5,
        "Size": 0
      },
      {
        "Ladder": 10,
        "Size": 0
      },
      {
        "Ladder": 1,
        "Size": 178942
      },
      {
```

```
"Ladder": 50,
"Size": 0
},
{
"Ladder": 200,
"Size": 0
}
],
"RequestId": "6f6441b4-884e-40b0-8503-5e5f5e6b6714"
}
}
```

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.RedoFlowFailed	No exact description for this error code for the time being.

DescribeInstanceMonitorTopNCmd

Last updated : 2024-04-03 11:32:49

1. API Description

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

This API is used to query an instance access command.

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: DescribeInstanceMonitorTopNCmd.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
SpanType	Yes	Integer	Time span. 1: real time; 2: last 30 minutes; 3: last 6 hours; 4: last 24 hours

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceMonitorTopNCmd
&InstanceId=crs-5a4py64p
&SpanType=4
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "Cmd": "ping",
        "Count": 179562
      }
    ],
    "RequestId": "f5ce4f15-bf90-4958-95ca-97fa086ace28"
  }
}
```

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.RedoFlowFailed	No exact description for this error code for the time being.

DescribeInstanceMonitorTopNCmdTook

Last updated : 2024-04-03 11:32:49

1. API Description

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

This API is used to query the instance CPU 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: DescribeInstanceMonitorTopNCmdTook.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
SpanType	Yes	Integer	Time span. 1: real time; 2: last 30 minutes; 3: last 6 hours; 4: last 24 hours

3. Output Parameters

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

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

4. Example

Example1 Sample request

Input Example

```
https://redis.tencentcloudapi.com/?Action=DescribeInstanceMonitorTopNCmdTook
&InstanceId=crs-r34wkc1d
&SpanType=4
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": [
      {
        "Cmd": "ping",
        "Took": 4688000
      }
    ],
    "RequestId": "95308f10-19d9-4313-bedf-cb65a846826f"
  }
}
```

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.RedoFlowFailed	No exact description for this error code for the time being.

Backup and Restoration APIs

DescribeBackupDownloadRestriction

Last updated : 2024-04-03 11:33:37

1. API Description

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

This API is used to query the download address for a database backup file 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: DescribeBackupDownloadRestriction.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
LimitType	String	Type of the network restrictions for downloading backup files. Valid values:

		<ul style="list-style-type: none"> - <code>NoLimit</code> : Backup files can be downloaded over both public and private networks. - <code>LimitOnlyIntranet</code> : Backup files can be downloaded only at private network addresses auto-assigned by Tencent Cloud. - <code>Customize</code> : Backup files can be downloaded only in the customized VPC.
VpcComparisonSymbol	String	Only <code>In</code> can be passed in for this parameter, indicating that backup files can be downloaded in the custom <code>LimitVpc</code> .
IpComparisonSymbol	String	Whether backups can be downloaded at the custom <code>LimitIp</code> address. <ul style="list-style-type: none"> - <code>In</code> : Download is allowed for the custom IP. - <code>NotIn</code> : Download is not allowed for the custom IP.
LimitVpc	Array of BackupLimitVpcItem	VPC ID of the custom backup file download address, which will be displayed if <code>LimitType</code> is <code>Customize</code> .
LimitIp	Array of String	Custom VPC IP address for downloading backup files. This parameter is displayed when the LimitType parameter is set to Customize .
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the restrictions for downloading a backup file in the current region.

This example shows you how to query the restrictions for downloading a backup file in the current region.

Input Example

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

```
{}
```

Output Example

```
{
  "Response": {
    "IpComparisonSymbol": "NotIn",
    "LimitIp": [
      "10.1.0.13"
    ],
    "LimitType": "Customize",
    "LimitVpc": [
      {
        "Region": "ap-guangzhou",
        "VpcList": [
          "vpc-5og4fwm9",
          "vpc-03dsikyx"
        ]
      }
    ],
    "RequestId": "785b6c5f-999f-43ef-9906-14f4c24b8040",
    "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
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

DescribeBackupUrl

Last updated : 2024-04-03 11:33:36

1. API Description

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

This API is used to query the download address of a backup RDB 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: DescribeBackupUrl.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
BackupId	Yes	String	Backup ID, which can be obtained through the <code>RedisBackupSet</code> parameter returned by the DescribeInstanceBackups API.
LimitType	No	String	Type of the network restriction for downloading backup files. If this parameter is not configured, the user-defined configuration

			<p>will be used.</p> <ul style="list-style-type: none"> - <code>NoLimit</code> : Backup files can be downloaded over both public and private networks. - <code>LimitOnlyIntranet</code> : Backup files can be downloaded only at private network addresses auto-assigned by Tencent Cloud. - <code>Customize</code> : Backup files can be downloaded only in the customized VPC.
<code>VpcComparisonSymbol</code>	No	String	Only <code>In</code> can be passed in for this parameter, indicating that backup files can be downloaded in the custom <code>LimitVpc</code> .
<code>IpComparisonSymbol</code>	No	String	<p>Whether backups can be downloaded at the custom <code>LimitIp</code> address.</p> <ul style="list-style-type: none"> - <code>In</code> (default value): Download is allowed for the custom IP. - <code>NotIn</code> : Download is not allowed for the custom IP.
<code>LimitVpc.N</code>	No	Array of BackupLimitVpcItem	VPC ID of the custom backup file download address, which is required if <code>LimitType</code> is <code>Customize</code> .
<code>LimitIp.N</code>	No	Array of String	VPC IP of the custom backup file download address, which is required if <code>LimitType</code> is <code>Customize</code> .

3. Output Parameters

Parameter Name	Type	Description
<code>DownloadUrl</code>	Array of String	Public network download address (valid for six hours). This field will be disused soon.
<code>InnerDownloadUrl</code>	Array of String	Private network download address (valid for six hours). This field will be disused soon.
<code>FileNames</code>	Array of String	<p>Filename. This field will be disused soon.</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>

BackupInfos	Array of BackupDownloadInfo	List of backup file information. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the download address of a backup RDB file

This example shows you how to query the download address of a backup RDB file.

Input Example

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

{
  "InstanceId": "crs-4y9t57vt",
  "BackupId": "678362566696298532848117"
}
```

Output Example

```
{
  "Response": {
    "FileNames": [
      "9527208-4633789-redis-server-4.0.8-1001463-ignore-1-ignore.rdb",
      "9527208-4633789-redis-server-4.0.8-1001463-ignore-2-ignore.rdb",
      "9527208-4633789-redis-server-4.0.8-1001463-ignore-3-ignore.rdb",
      "9527208-4633789-redis-server-4.0.8-1001463-ignore-4-ignore.rdb",
      "9527208-4633789-redis-server-4.0.8-1001463-ignore-5-ignore.rdb"
    ],
    "DownloadUrl": [
      "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-1-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1"
    ]
  }
}
```

```
eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974
523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D28cc6edebf7f9d8e34aa
3daf19d30ec521c03b5b",
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/r
edis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-2
-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1
eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974
523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D2b081fdb65c591f8e000
ed55625af24049b15795",
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/r
edis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-3
-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1
eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974
524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D87eda5611679fb9bc252
9631ae97b218317e9598",
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/r
edis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-4
-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1
eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974
524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3Db17a8297bf5637f0ce7d
db970ffd566b484a5063",
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/r
edis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-5
-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1
eBpKg%26q-sign-time%3D1551952865%3B1551974525%26q-key-time%3D1551952865%3B1551974
525%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3De69f614cffd54c1be7d6
09e05d20be15eb82fc13"
],
"InnerDownloadUrl": [
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/r
edis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-1
-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1
eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974
523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D28cc6edebf7f9d8e34aa
3daf19d30ec521c03b5b",
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/r
edis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-2
-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1
eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974
523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D2b081fdb65c591f8e000
ed55625af24049b15795",
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/r
edis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-3
-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1
eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974
524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D87eda5611679fb9bc252
9631ae97b218317e9598",
```



```
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-4-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3Db17a8297bf5637f0ce7ddb970ffd566b484a5063",
"https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-5-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952865%3B1551974525%26q-key-time%3D1551952865%3B1551974525%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3De69f614cffd54c1be7d609e05d20be15eb82fc13"
],
"BackupInfos": [
{
"FileName": "9527208-4633789-redis-server-4.0.8-1001463-ignore-1-ignore.rdb",
"FileSize": 1264547,
"DownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-1-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D28cc6edebf7f9d8e34aa3daf19d30ec521c03b5b",
"InnerDownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-1-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D28cc6edebf7f9d8e34aa3daf19d30ec521c03b5b"
},
{
"FileName": "9527208-4633789-redis-server-4.0.8-1001463-ignore-2-ignore.rdb",
"FileSize": 1278586,
"DownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-2-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D2b081fdb65c591f8e00ed55625af24049b15795",
"InnerDownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-2-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952863%3B1551974523%26q-key-time%3D1551952863%3B1551974523%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D2b081fdb65c591f8e00ed55625af24049b15795"
},
{
```

```
"FileName": "9527208-4633789-redis-server-4.0.8-1001463-ignore-3-ignore.rdb",
"FileSize": 1467647,
"DownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-3-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D87eda5611679fb9bc2529631ae97b218317e9598",
"InnerDownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-3-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3D87eda5611679fb9bc2529631ae97b218317e9598"
},
{
"FileName": "9527208-4633789-redis-server-4.0.8-1001463-ignore-4-ignore.rdb",
"FileSize": 1264987,
"DownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-4-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3Db17a8297bf5637f0ce7ddb970ffd566b484a5063",
"InnerDownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-4-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952864%3B1551974524%26q-key-time%3D1551952864%3B1551974524%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3Db17a8297bf5637f0ce7ddb970ffd566b484a5063"
},
{
"FileName": "9527208-4633789-redis-server-4.0.8-1001463-ignore-5-ignore.rdb",
"FileSize": 1268499,
"DownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-5-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952865%3B1551974525%26q-key-time%3D1551952865%3B1551974525%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3De69f614cffd54c1be7d609e05d20be15eb82fc13",
"InnerDownloadUrl": "https://redis-database-backup-1251937656.cos.ap-chengdu.myqcloud.com/251005863/redis/1001463/data/2019-03-07/-9527208-4633789-redis-server-4.0.8-1001463-ignore-5-ignore.rdb?sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKID21teFeP99yb1FI94vqutgJkFoQ1eBpKg%26q-sign-time%3D1551952865%3B1551974525%26q-key-time%3D1551952865%3B1551974525%26q-header-list%3D%26q-url-param-list%3D%26q-signature%3De69f614cffd54c1be7d609e05d20be15eb82fc13"
}
}
```

```
],  
  "RequestId": "f1b5aabe-806a-4886-b839-9907baa24c85"  
}  
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.

InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.BackupNotExists	The backup does not exist.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.BackupStatusInvalid	Backup is not supported when the instance is not in the "Running" status.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.
UnsupportedOperation.IsAutoRenewError	There is an error with the auto-renewal flag.
UnsupportedOperation.OnlyClusterInstanceCanExportBackup	Only Cluster Edition instances support backup exporting.

DescribeInstanceBackups

Last updated : 2024-04-03 11:33:35

1. API Description

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

This API is used to query the backup 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: DescribeInstanceBackups.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
Limit	No	Integer	Number of backups returned per page. Default value: 20 . Maximum value: 100 .
Offset	No	Integer	Pagination offset, which is an integral multiple of Limit . $offset = limit * (page\ number - 1)$.
InstanceId	No	String	ID of the instance to be operated on, which can be obtained through the InstanceId field in the return value of the DescribeInstance API.
BeginTime	No	String	Start time in the format of yyyy-MM-dd HH:mm:ss, such as 2017-02-

			08 16:46:34. This parameter is used to query the list of instance backups started during the [beginTime, endTime] range.
EndTime	No	String	End time in the format of yyyy-MM-dd HH:mm:ss, such as 2017-02-08 19:09:26. This parameter is used to query the list of instance backups started during the [beginTime, endTime] range.
Status.N	No	Array of Integer	Backup task status: 1 : The backup is in the process. 2 : The backup is normal. 3 : The backup is being converted to an RDB file. 4 : Conversion to RDB has been completed. -1 : The backup expired. -2 : The backup has been deleted.
InstanceName	No	String	Instance name, which can be fuzzily searched.

3. Output Parameters

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

4. Example

Example1 Sample 1

This example shows you how to query the backup list of the instance `crs-c7nuafdt`.

Input Example

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

```
X-TC-Action: DescribeInstanceBackups
```

```
<Common request parameters>
```

```
{
  "Status": [
    "2"
  ],
  "InstanceId": "crs-c7nuafdt",
  "Limit": "10",
  "Offset": "0"
}
```

Output Example

```
{
  "Response": {
    "BackupSet": [
      {
        "BackupId": "154572601-1165734322-153731238",
        "BackupSize": 191,
        "BackupType": "0",
        "EndTime": "2022-12-23 16:25:18",
        "ExpireTime": "2022-12-30 16:24:41",
        "FileType": "RDB-Redis 4.0",
        "FullBackup": 0,
        "InstanceId": "crs-c7nuafdt",
        "InstanceName": "Backup test",
        "InstanceType": 6,
        "Locked": 0,
        "Region": "ap-guangzhou",
        "Remark": "test001",
        "StartTime": "2022-12-23 16:24:41",
        "Status": 2
      }
    ],
    "RequestId": "2a95bfa4-ac8c-43cd-b7b1-5a93817d8de2",
    "TotalCount": 1
  }
}
```

5. Developer Resources

SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.
UnsupportedOperation	The operation is not supported.

ManualBackupInstance

Last updated : 2024-04-03 11:33:35

1. API Description

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

This API is used to manually back up a Redis 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: ManualBackupInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of a specified instance, such as "crs-xjhdsj*****" Log in to the Redis console and copy the instance ID in the instance list.
Remark	No	String	Remarks for manual backup task
StorageDays	No	Integer	Retention period of backup data in days. Default value: 7 days. Value range: [0,1825]. If the value exceeds 7 days, submit a ticket for application. - If this parameter is not configured, it will set to be the same as the period of automatic backup retention. - If automatic backup is not set, the default value will be 7 days.

3. Output Parameters

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

4. Example

Example1 Sample request

This example shows you how to manually back up an instance.

Input Example

```
https://redis.tencentcloudapi.com/?Action=ManualBackupInstance&InstanceId=crs-5a4p****&Remark=xxxx&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskId": "6954227",
    "RequestId": "4daddc97-0005-45d8-b5b8-38514ec1e97c"
  }
}
```

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.CommitFlowError	Failed to submit the task.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceStateError	Instance status error.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

ModifyBackupDownloadRestriction

Last updated : 2024-04-03 11:33:34

1. API Description

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

This API is used to modify the network information and address for downloading 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: ModifyBackupDownloadRestriction.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
LimitType	Yes	String	Type of the network restrictions for downloading backup files. Valid values: <ul style="list-style-type: none">- <code>NoLimit</code> : Backup files can be downloaded over both public and private networks.- <code>LimitOnlyIntranet</code> : Backup files can be downloaded only at private network addresses auto-assigned by Tencent Cloud.

			- <code>Customize</code> : Backup files can be downloaded only in the customized VPC.
VpcComparisonSymbol	No	String	Only <code>In</code> can be passed in for this parameter, indicating that backup files can be downloaded in the custom <code>LimitVpc</code> .
IpComparisonSymbol	No	String	Whether backups can be downloaded at the custom <code>LimitIp</code> address. - <code>In</code> : Download is allowed for the custom IP. - <code>NotIn</code> : Download is not allowed for the custom IP.
LimitVpc.N	No	Array of BackupLimitVpcItem	VPC ID of the custom backup file download address, which is required if <code>LimitType</code> is <code>Customize</code> .
LimitIp.N	No	Array of String	VPC IP of the custom backup file download address, which is required if <code>LimitType</code> is <code>Customize</code> .

3. Output Parameters

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

4. Example

Example1 Modifying the download address for a backup file

This example shows you how to modify the custom network and address of a backup file in the current region.

Input Example

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

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

{
  "LimitType": "Customize",
  "VpcComparisonSymbol": "In",
  "IpComparisonSymbol": "NotIn",
  "LimitVpc": [
    {
      "VpcList": [
        "vpc-5og4fwm9",
        "vpc-03dsikyx"
      ],
      "Region": "ap-guangzhou"
    }
  ],
  "LimitIp": [
    "10.1.0.13"
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "489f7bc7-e0e0-4e6f-a5c4-97c5fcf7ea8b"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

RestoreInstance

Last updated : 2024-04-03 11:33:33

1. API Description

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

This API is used to restore a Redis 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: RestoreInstance.
Version	Yes	String	Common Params . The value used for this API: 2018-04-12.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance to be operated on, which can be obtained through the <code>InstanceId</code> field in the return value of the <code>DescribeInstances</code> API.
BackupId	Yes	String	Backup ID, which can be obtained through the <code>backupId</code> field in the return value of the <code>GetRedisBackupList</code> API.
Password	No	String	Instance password, which needs to be validated during instance restoration (this parameter is not required for password-free instances)

3. Output Parameters

Parameter Name	Type	Description
TaskId	Integer	Task ID, which can be used to query the task execution status through the <code>DescribeTaskInfo</code> API.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Restoring a Redis Instance

Input Example

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

{
  "InstanceId": "crs-5a4py64p",
  "BackupId": "678362566696298532848117",
  "Password": "mypassword"
}
```

Output Example

```
{
  "Response": {
    "TaskId": "6954227",
    "RequestId": "4daddc97-0005-45d8-b5b8-38514ec1e97c"
  }
}
```

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.SystemError	Internal system error, which is irrelevant to the business.
InternalError.InternalError	Internal error.
InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.BackupNotExists	The backup does not exist.
InvalidParameterValue.PasswordError	Password verification error due to incorrect password.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.
ResourceUnavailable.BackupLockedError	The backup has been locked by another task, and the operation cannot be performed temporarily.
ResourceUnavailable.BackupSpecError	Backup and recovery specifications are not supported.
ResourceUnavailable.BackupStatusAbnormal	Backup status exception. The operation cannot be performed temporarily. The backup may have expired or been deleted.

ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceStateError	Instance status error.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
UnauthorizedOperation.NoCAMAuthenticated	No CAM permissions.

Data Types

Last updated : 2024-04-15 11:08:47

Account

Sub-account information

Used by actions: DescribeInstanceAccount.

Name	Type	Description
InstanceId	String	Note: This field may return null, indicating that no valid values can be obtained.
AccountName	String	Note: This field may return null, indicating that no valid values can be obtained.
Remark	String	Note: This field may return null, indicating that no valid values can be obtained.
Privilege	String	Note: This field may return null, indicating that no valid values can be obtained.
ReadOnlyPolicy	Array of String	Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time.Note: This field may return null, indicating that no valid values can be obtained.

BackupDownloadInfo

Backup download information

Used by actions: DescribeBackupUrl.

Name	Type	Description
FileName	String	Backup file name

FileSize	Integer	Backup file size in bytes. If the parameter value is <code>0</code> , the backup file size is unknown.
DownloadUrl	String	Address (valid for six hours) used to download the backup file over the public network
InnerDownloadUrl	String	Address (valid for six hours) used to download the backup file over the private network

BackupLimitVpcItem

The VPC that corresponds to the configured download address of the backup file

Used by actions: DescribeBackupDownloadRestriction, DescribeBackupUrl, ModifyBackupDownloadRestriction.

Name	Type	Required	Description
Region	String	Yes	The region of the VPC that corresponds to the download address of the backup file
VpcList	Array of String	Yes	The list of VPCs that correspond to the download addresses of the backup files

BigKeyInfo

Big key details

Used by actions: DescribeInstanceMonitorBigKey.

Name	Type	Description
DB	Integer	Database
Key	String	Big key
Type	String	Type
Size	Integer	Size
Updatetime	Integer	Data timestamp

BigKeyTypeInfo

Big key type distribution details

Used by actions: DescribeInstanceMonitorBigKeyTypeDist.

Name	Type	Description
Type	String	Type
Count	Integer	Count
Size	Integer	Size
Updatetime	Integer	Timestamp

CommandTake

Command duration

Used by actions: DescribeInstanceMonitorTopNCmdTook.

Name	Type	Description
Cmd	String	Command
Took	Integer	Duration

DelayDistribution

Delay distribution details

Used by actions: DescribeInstanceMonitorBigKeySizeDist, DescribeInstanceMonitorTookDist.

Name	Type	Description
Ladder	Integer	The delay distribution. The mapping between delay range and <code>Ladder</code> value is as follows: - <code>1</code> : [0ms,1ms]. - <code>5</code> : [1ms,5ms]. - <code>10</code> : [5ms,10ms]. - <code>50</code> : [10ms,50ms]. - <code>200</code> : [50ms,200ms]. - <code>-1</code> : [200ms,∞].
Size	Integer	The number of commands with delay falling within the current delay range -
Updatetime	Integer	Modification time

DescribeInstanceDTSInstanceInfo

Details of instances in the DTS task

Used by actions: DescribeInstanceDTSInfo.

Name	Type	Description
RegionId	Integer	Region ID Note: This field may return null, indicating that no valid values can be obtained.
InstanceId	String	Instance ID Note: This field may return null, indicating that no valid values can be obtained.
SetId	Integer	Repository 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.
Type	Integer	Instance type Note: This field may return null, indicating that no valid values can be obtained.
InstanceName	String	Instance name Note: This field may return null, indicating that no valid values can be obtained.
Vip	String	Instance access address Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Status Note: This field may return null, indicating that no valid values can be obtained.

Groups

Replication group info

Used by actions: DescribeReplicationGroup.

Name	Type	Description
AppId	Integer	User APPID, which is the unique application ID that matches an account. Some Tencent Cloud products use this APPID.
RegionId	Integer	Region ID. Valid values: - 1 : Guangzhou

		<ul style="list-style-type: none"> - 4 : Shanghai - 5 : Hong Kong (China) - 6 : Toronto - 7 : Shanghai Finance - 8 : Beijing - 9 : Singapore - 11 : Shenzhen Finance - 15 : Silicon Valley (West US) - 16 : Chengdu - 17 : Germany - 18 : South Korea - 19 : Chongqing - 21 : India - 22 : Virginia (East US) - 23 : Thailand - 25 : Japan
GroupId	String	Replication group ID in the format of "crs-rpl-deind*****"
GroupName	String	Replication group name Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Status of replication group <ul style="list-style-type: none"> - 37 : Associating replication group - 38 : Reconnecting to replication group - 51 : Disassociating replication group - 52 : Switching with master instance in replication group - 53 : Modifying the roles
InstanceCount	Integer	Number of replication groups
Instances	Array of Instances	Instance information in replication groups Note: This field may return null, indicating that no valid values can be obtained.
Remark	String	Remarks Note: This field may return null, indicating that no valid values can be obtained.

HotKeyInfo

Hot key details

Used by actions: DescribeInstanceMonitorHotKey.

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

Key	String	The name of the hot key.
Type	String	Key type.
Count	Integer	Number of accesses for the hot key in a specified time period.

Inbound

Security group inbound rule

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

Name	Type	Description
Action	String	Policy. Valid values: ACCEPT, DROP.
AddressModule	String	All the addresses that the address group ID represents.
CidrIp	String	Source IP or IP address range, such as 192.168.0.0/16.
Desc	String	Description.
IpProtocol	String	Network protocol, such as UDP and TCP.
PortRange	String	Port.
ServiceModule	String	All the protocols and ports that the service group ID represents.
Id	String	All the addresses that the security group ID represents.

InstanceClusterNode

Instance node type

Used by actions: DescribeInstances.

Name	Type	Description
Name	String	Node name
RunId	String	ID of the runtime node of an instance
Role	Integer	Cluster role. Valid values: - 0 (master) - 1 (replica)

Status	Integer	Node status. Valid values: - 0 (read/write) - 1 (read) - 2 (backup)
Connected	Integer	Service status. Valid values: 0 (down), 1 (on).
CreateTime	String	Node creation time
DownTime	String	Node elimination time
Slots	String	Node slot distribution range
Keys	Integer	Distribution of node keys
Qps	Integer	Node QPS Number of executions per second on sharded nodes Unit: Counts/sec
QpsSlope	Float	QPS slope of a node
Storage	Integer	Node storage
StorageSlope	Float	Node storage slope

InstanceClusterShard

Information list of instance shards

Used by actions: DescribeInstanceShards.

Name	Type	Description
ShardName	String	The name of a shard node
ShardId	String	The serial number of a shard node
Role	Integer	The role of a shard node - 0 : Master node. - 1 : Replica node.
Keys	Integer	Number of keys
Slots	String	Slot information
Storage	Integer	Used Capacity
StorageSlope	Float	Capacity slope
Runid	String	This field is recommended to use the RunId instead due to spelling inconsistency. Meaning: The node ID during instance runtime.

RunId	String	The node ID during instance runtime.
Connected	Integer	Service status - 0 : Down. - 1 : On.

InstanceEnumParam

Description of the instance parameter in Enum type

Used by actions: DescribeInstanceParams.

Name	Type	Description
ParamName	String	Parameter name
ValueType	String	Parameter type, such as <code>Enum</code> .
NeedRestart	String	Whether to restart the database after modifying the parameters. Valid values: - <code>true</code> (required) - <code>false</code> (not required)
DefaultValue	String	Default value of the parameter
CurrentValue	String	Current value
Tips	String	Description
EnumValue	Array of String	Acceptable values for the parameter
Status	Integer	Parameter modification status. Valid values: - 1 (modifying) - 2 (modified)

InstanceIntegerParam

Description of the instance parameter in Integer type

Used by actions: DescribeInstanceParams.

Name	Type	Description
ParamName	String	Parameter name
ValueType	String	Parameter type: Integer

NeedRestart	String	Whether restart is required after a modification is made. Valid values: true, false
DefaultValue	String	Default value of the parameter
CurrentValue	String	Current value
Tips	String	Parameter description
Min	String	Minimum value of the parameter
Max	String	Maximum value of the parameter
Status	Integer	Parameter status. 1: modifying; 2: modified
Unit	String	Parameter unit Note: This field may return null, indicating that no valid values can be obtained.

InstanceMultiParam

Description of the instance parameter in Multi type

Used by actions: DescribeInstanceParams.

Name	Type	Description
ParamName	String	Parameter name
ValueType	String	Parameter Type such as <code>MULTI</code>
NeedRestart	String	Whether to restart the database after modifying the parameter. Valid values: - <code>true</code> (required) - <code>false</code> (not required)
DefaultValue	String	Default value of the parameter
CurrentValue	String	Current value
Tips	String	Description
EnumValue	Array of String	Description
Status	Integer	Parameter modification status. Valid values: - <code>1</code> (modifying) - <code>2</code> (modified)

InstanceNode

Instance node

Used by actions: DescribeInstances.

Name	Type	Description
Id	Integer	Instance ID
InstanceClusterNode	Array of InstanceClusterNode	Node details

InstanceParam

Instance parameter

Used by actions: CreateParamTemplate, ModifyInstanceParams, ModifyParamTemplate.

Name	Type	Required	Description
Key	String	Yes	Parameter name, such as "timeout". For supported custom parameters, see Setting Instance Parameters
Value	String	Yes	Current parameter value. For example, if you set the current value of "timeout" to 120 (in seconds), the client connections that remain idle longer than 120 seconds will be closed. For more information on parameter values, see Setting Instance Parameters

InstanceParamHistory

History of instance parameter modifications

Used by actions: DescribeInstanceParamRecords.

Name	Type	Description
ParamName	String	Parameter name
PreValue	String	The value of the parameter before modification
NewValue	String	The value of the parameter after modification
Status	Integer	Parameter configuration status <ul style="list-style-type: none"> - 1 : The parameter configuration is being modified. - 2 : The parameter configuration has been modified successfully. - 3 : Failed to modify the parameter configuration.

ModifyTime	String	Modification time
------------	--------	-------------------

InstanceProxySlowlogDetail

Proxy slow query details

Used by actions: DescribeProxySlowLog.

Name	Type	Description
Duration	Integer	Slow query duration in milliseconds
Client	String	Client address
Command	String	Slow query command
CommandLine	String	Detailed command line information of slow query
ExecuteTime	String	Execution time

InstanceSecurityGroupDetail

Security group information of the instance

Used by actions: DescribeInstanceSecurityGroup.

Name	Type	Description
InstanceId	String	Instance ID
SecurityGroupDetails	Array of SecurityGroupDetail	Security group information, which includes security group ID, name, outbound and inbound rules.

InstanceSet

List of instance details

Used by actions: DescribeInstances.

Name	Type	Description

InstanceName	String	Instance name
Instanceld	String	Instance ID
Appid	Integer	User APPID, which is the unique application ID that matches an account. Some Tencent Cloud products use this APPID.
ProjectId	Integer	Project ID
RegionId	Integer	Region IDs. <ul style="list-style-type: none"> • 1: Guangzhou. • 4: Shanghai. • 5: Hong Kong, China. • 6: Toronto. • 8: Beijing. • 9: Singapore. • 15: West US (Silicon Valley). • 16: Chengdu. • 17: Frankfurt. • 18: Seoul. • 19: Chongqing. • 21: Mumbai. • 22: East US (Virginia). • 23: Bangkok. • 25: Tokyo.
Zoneld	Integer	Region ID
VpcId	Integer	VPC ID, such as 75101 .
SubnetId	Integer	Subnet ID, such as 46315 .
Status	Integer	Current instance status. <ul style="list-style-type: none"> • 0 : To be initialized. • 1 : In the process. • 2 : Running. • -2 : Isolated. • -3 : To be deleted.
WanIp	String	Instance VIP
Port	Integer	Port number of an instance
Createtime	String	Instance creation time in the format of "2020-01-15 10:20:00"

Size	Float	Instance memory capacity in MB (1 MB = 1024 KB)
SizeUsed	Float	This field has been disused. You can use the TCOP GetMonitorData API to query the capacity used by the instance.
Type	Integer	Instance type <ul style="list-style-type: none"> - 2 : Redis 2.8 Memory Edition (Standard Architecture). - 3 : CKV 3.2 Memory Edition (Standard Architecture). - 4 : CKV 3.2 Memory Edition (Cluster Architecture). - 5 : Redis 2.8 Memory Edition (Standalone). - 6 : Redis 4.0 Memory Edition (Standard Architecture). - 7 : Redis 4.0 Memory Edition (Cluster Architecture). - 8 : Redis 5.0 Memory Edition (Standard Architecture). - 9 : Redis 5.0 Memory Edition (Cluster Architecture). - 15 : Redis 6.2 Memory Edition (Standard Architecture). - 16 : Redis 6.2 Memory Edition (Cluster Architecture).
AutoRenewFlag	Integer	Whether to set the auto-renewal flag for an instance. <ul style="list-style-type: none"> • 1 : Auto-renewal set. • 0 : Auto-renewal not set.
DeadlineTime	String	The time when a monthly subscribed instance expires
Engine	String	Engine: Redis community edition, Tencent Cloud CKV
ProductType	String	Product type. <ul style="list-style-type: none"> • <code>standalone</code> : Standard edition. • <code>cluster</code> : Cluster edition.
UniqVpcId	String	VPC ID, such as vpc-fk33jsf43kgv.
UniqSubnetId	String	VPC subnet ID, such as subnet-fd3j6l35mm0.
BillingMode	Integer	Billing mode. Only pay-as-you-go billing is supported.
InstanceTitle	String	Description of an instance status, such as "Running".
OfflineTime	String	The default termination time for isolated instances in the format of "2020-02-15 10:20:00". By default, a pay-as-you-go instance will be terminated after two hours of isolation, and a monthly subscribed instance will be terminated after seven days by default.

SubStatus	Integer	Sub-status returned for an instance in process
Tags	Array of String	Anti-affinity tag
InstanceNode	Array of InstanceNode	Instance node information
RedisShardSize	Integer	Shard size
RedisShardNum	Integer	Number of shards
RedisReplicasNum	Integer	Number of replicas
Priceld	Integer	Billing ID
CloseTime	String	The time when an instance start to be isolated
SlaveReadWeight	Integer	Read weight of a replica node
InstanceTags	Array of InstanceTagInfo	Note: This field may return null, indicating that no valid values can be obtained.
ProjectName	String	Note: This field may return null, indicating that no valid values can be obtained.
NoAuth	Boolean	Note: This field may return null, indicating that no valid values can be obtained.
ClientLimit	Integer	Note: This field may return null, indicating that no valid values can be obtained.
DtsStatus	Integer	Note: This field may return null, indicating that no valid values can be obtained.
NetLimit	Integer	Note: This field may return null, indicating that no valid values can be obtained.
PasswordFree	Integer	Note: This field may return null, indicating that no valid values can be obtained.
Vip6	String	Note: This field may return null, indicating that no valid values can be obtained.
IPv6	String	Note: This field may return null, indicating that no valid values can be obtained.
ReadOnly	Integer	Note: This field may return null, indicating that no valid values can be obtained.

RemainBandwidthDuration	String	Note: This field may return null, indicating that no valid values can be obtained.
DiskSize	Integer	Note: This field may return null, indicating that no valid values can be obtained.
MonitorVersion	String	Note: This field may return null, indicating that no valid values can be obtained.
ClientLimitMin	Integer	Note: This field may return null, indicating that no valid values can be obtained.
ClientLimitMax	Integer	Note: This field may return null, indicating that no valid values can be obtained.
NodeSet	Array of RedisNodeInfo	Note: This field may return null, indicating that no valid values can be obtained.
Region	String	Note: This field may return null, indicating that no valid values can be obtained.
WanAddress	String	Note: This field may return null, indicating that no valid value can be obtained.
PolarisServer	String	Note: This field may return null, indicating that no valid value can be obtained.
CurrentProxyVersion	String	Note: This field may return null, indicating that no valid value can be obtained.
CurrentRedisVersion	String	Note: This field may return null, indicating that no valid value can be obtained.
UpgradeProxyVersion	String	Note: This field may return null, indicating that no valid value can be obtained.
UpgradeRedisVersion	String	Note: This field may return null, indicating that no valid value can be obtained.

InstanceSlowlogDetail

Slow log details

Used by actions: DescribeSlowLog.

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

Duration	Integer	Slow log duration
Client	String	Client address
Command	String	Command
CommandLine	String	Command line details
ExecuteTime	String	Execution duration
Node	String	Node ID

InstanceTagInfo

Instance tag information

Used by actions: DescribeInstances.

Name	Type	Required	Description
TagKey	String	Yes	Tag key
TagValue	String	Yes	Tag value

InstanceTextParam

Description of instance parameter in Char type

Used by actions: DescribeInstanceParams.

Name	Type	Description
ParamName	String	Parameter name
ValueType	String	Parameter type such as <code>Text</code> .
NeedRestart	String	Whether to restart the database after modifying the parameter. Valid values: - <code>true</code> (required) - <code>false</code> (not required)
DefaultValue	String	Default value of the parameter
CurrentValue	String	Current value
Tips	String	Description

TextValue	Array of String	Acceptable values of the parameter
Status	Integer	Parameter modification status. Valid values: - <code>1</code> (modifying) - <code>2</code> (modified)

Instances

Instances in replication group

Used by actions: DescribeReplicationGroup.

Name	Type	Description
AppId	Integer	User APPID, which is the unique application ID that matches an account. Some Tencent Cloud products use this APPID.
InstanceId	String	Instance ID
InstanceName	String	Instance name
RegionId	Integer	Region ID. <ul style="list-style-type: none"> <code>1</code> : Guangzhou. <code>4</code> : Shanghai. <code>5</code> : Hong Kong (China). <code>6</code> : Toronto. <code>7</code> : Shanghai Finance. <code>8</code> : Beijing. <code>9</code> : Singapore. <code>11</code> : Shenzhen Finance. <code>15</code> : West US (Silicon Valley).
ZoneId	Integer	Region ID
RedisReplicasNum	Integer	Number of replicas
RedisShardNum	Integer	Number of shards
RedisShardSize	Integer	Shard memory size.
DiskSize	Integer	Instance disk size Note: This field may return null, indicating that no valid values can be obtained.
Engine	String	Engine: Redis Community Edition, Tencent Cloud CKV.

Role	String	Read-write permission of the instance. <ul style="list-style-type: none"> <code>rw</code> : Read/Write. <code>r</code> : Read-only.
Vip	String	Instance VIP
Vip6	String	Due to the naming irregularity of this parameter, it is recommended to use the parameter IPv6 instead. Internal parameters, which can be ignored by users. Note: This field may return null, indicating that no valid values can be obtained.
IPv6	String	Internal parameters, which can be ignored by users. Note: This field may return null, indicating that no valid values can be obtained.
VpcID	Integer	VPC ID, such as <code>75101</code> .
VPort	Integer	Instance port
Status	Integer	Instance status. <ul style="list-style-type: none"> <code>0</code> : Uninitialized. <code>1</code> : In the process. <code>2</code> : Running. <code>-2</code> : Isolated. <code>-3</code> : To be deleted.
GrocerySysId	Integer	Repository ID
ProductType	Integer	Instance type <ul style="list-style-type: none"> <code>2</code> : Redis 2.8 Memory Edition (Standard Architecture). <code>3</code> : CKV 3.2 Memory Edition (Standard Architecture). <code>4</code> : CKV 3.2 Memory Edition (Cluster Architecture) <code>5</code> : Redis 2.8 Memory Edition (Standalone) <code>6</code> : Redis 4.0 Memory Edition (Standard Architecture). <code>7</code> : Redis 4.0 Memory Edition (Cluster Architecture) <code>8</code> : Redis 5.0 Memory Edition (Standard Architecture). <code>9</code> : Redis 5.0 Memory Edition (Cluster Architecture) <code>15</code> : Redis 6.2 Memory Edition (Standard Architecture). <code>16</code> : Redis 6.2 Memory Edition (Cluster Architecture)
CreateTime	String	The time when the instance was added to the replication group.
UpdateTime	String	The time when instances in the replication group were updated.

Outbound

Security group outbound rule

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

Name	Type	Description
Action	String	Policy. Valid values: ACCEPT, DROP.
AddressModule	String	All the addresses that the address group ID represents.
CidrIp	String	Source IP or IP address range, such as 192.168.0.0/16.
Desc	String	Description.
IpProtocol	String	Network protocol, such as UDP and TCP.
PortRange	String	Port.
ServiceModule	String	All the protocols and ports that the service group ID represents.
Id	String	All the addresses that the security group ID represents.

ParamTemplateInfo

Parameter template information

Used by actions: DescribeParamTemplates.

Name	Type	Description
TemplateId	String	Parameter template ID
Name	String	Parameter template name
Description	String	Parameter template description
ProductType	Integer	Instance type <ul style="list-style-type: none"> - 2 : Redis 2.8 Memory Edition (Standard Architecture). - 3 : CKV 3.2 Memory Edition (Standard Architecture). - 4 : CKV 3.2 Memory Edition (Cluster Architecture). - 5 : Redis 2.8 Memory Edition (Standalone). - 6 : Redis 4.0 Memory Edition (Standard Architecture). - 7 : Redis 4.0 Memory Edition (Cluster Architecture).

- 8 : Redis 5.0 Memory Edition (Standard Architecture).
- 9 : Redis 5.0 Memory Edition (Cluster Architecture).
- 15 : Redis 6.2 Memory Edition (Standard Architecture).
- 16 : Redis 6.2 Memory Edition (Cluster Architecture).

ParameterDetail

Details of the parameters in the parameter template

Used by actions: DescribeParamTemplateInfo.

Name	Type	Description
Name	String	Parameter name
ParamType	String	Parameter Type
Default	String	Default value of the parameter
Description	String	Parameter description
CurrentValue	String	Current value of the parameter
NeedReboot	Integer	Whether to restart the database for the modified parameters to take effect <ul style="list-style-type: none"> - 0 : No restart. - 1 : Restart required.
Max	String	Maximum value of the parameter Note: This field may return null, indicating that no valid values can be obtained.
Min	String	Minimum value of the parameter Note: This field may return null, indicating that no valid values can be obtained.
EnumValue	Array of String	Enumerated values of the parameter. It is null if the parameter is non-enumerated Note: This field may return null, indicating that no valid values can be obtained.

ProductConf

Product information

Used by actions: DescribeProductInfo.

Name	Type	Description
Type	Integer	<p>Product type</p> <ul style="list-style-type: none"> - 2 : Redis 2.8 Memory Edition (Standard Architecture). - 3 : CKV 3.2 Memory Edition (Standard Architecture). - 4 : CKV 3.2 Memory Edition (Cluster Architecture). - 5 : Redis 2.8 Memory Edition (Standalone). - 6 : Redis 4.0 Memory Edition (Standard Architecture). - 7 : Redis 4.0 Memory Edition (Cluster Architecture). - 8 : Redis 5.0 Memory Edition (Standard Architecture). - 9 : Redis 5.0 Memory Edition (Cluster Architecture). - 15 : Redis 6.2 Memory Edition (Standard Architecture). - 16 : Redis 6.2 Memory Edition (Cluster Architecture).
TypeName	String	Product names, including Redis Master-Replica Edition, Redis Standalone Edition, Redis 4.0 Cluster Edition, CKV Master-Replica Edition, and CKV Standalone Edition.
MinBuyNum	Integer	Minimum purchasable quantity
MaxBuyNum	Integer	Maximum purchasable quantity
Saleout	Boolean	<p>Whether a product is sold out</p> <ul style="list-style-type: none"> - true : Sold out. - false : Not sold out.
Engine	String	Product engines, including Tencent Cloud CKV and Redis Community Edition.
Version	String	Compatible versions, including Redis 2.8, 3.2, 4.0, 5.0, and 6.2.
TotalSize	Array of String	Total capacity in GB
ShardSize	Array of String	Shard size in GB
ReplicaNum	Array of String	Quantity of replicas
ShardNum	Array of String	Quantity of shards
PayMode	String	<p>Supported billing modes</p> <ul style="list-style-type: none"> - 1 : Monthly subscription.

		- 0 : Pay-as-you-go.
EnableReplicaReadOnly	Boolean	Due to spelling inconsistency in this parameter name, it is recommended to use the EnableReplicaReadOnly parameter instead. Its meaning refers to whether the Read-Only Replica is supported. - true: Supported. - false: Not supported.
EnableReplicaReadOnly	Boolean	Whether the Read-Only Replica is supported. - true: Supported. - false: Not supported. Note: This field may return null, indicating that no valid value can be obtained.

ProxyNodes

Proxy node information

Used by actions: DescribeInstanceNodeInfo.

Name	Type	Description
NodeId	String	Node 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.

RedisBackupSet

Array of instance backups

Used by actions: DescribeInstanceBackups.

Name	Type	Description
StartTime	String	Backup start time
BackupId	String	Backup task ID
BackupType	String	Backup type. Valid values: 1 (Automatic backup in the early morning initiated by the system.) 0 : Manual backup initiated by the user.

Status	Integer	Backup status. Valid values: - <code>1</code> : The backup is locked by another process. - <code>2</code> : The backup is normal and not locked by any process. - <code>-1</code> : The backup is expired. - <code>3</code> : The backup is being exported. - <code>4</code> : Exported the backup successfully.
Remark	String	Backup remarks
Locked	Integer	Whether the backup is locked. Valid values: - <code>0</code> (no) - <code>1</code> (yes)
BackupSize	Integer	Internal field, which can be ignored. Note: This field may return null, indicating that no valid values can be obtained.
FullBackup	Integer	Internal field, which can be ignored. Note: This field may return null, indicating that no valid values can be obtained.
InstanceType	Integer	Internal field, which can be ignored. Note: This field may return null, indicating that no valid values can be obtained.
InstanceId	String	Instance ID
InstanceName	String	Instance name
Region	String	The region where the local backup resides.
EndTime	String	Backup end time
FileType	String	Backup file type
ExpireTime	String	Backup file expiration time

RedisCommonInstanceList

Instance information

Used by actions: DescribeCommonDBInstances.

Name	Type	Description
InstanceName	String	Instance name
InstanceId	String	Instance ID
AppId	Integer	User APPID, which is the unique application ID that matches an account. Some Tencent Cloud products use this APPID.
ProjectId	Integer	Project ID of the instance

Region	String	Instance region
Zone	String	Instance AZ
VpcId	String	Instance VPC ID
SubnetId	String	VPC subnet ID
Status	String	Instance status information <ul style="list-style-type: none"> - 1 : Task running. - 2 : Instance running. - -2 : Instance isolated. - -3 : Instance being eliminated. - -4 : Instance eliminated.
Vips	Array of String	Private network IP address of an instance
Vport	Integer	Instance network port
Createtime	String	Instance creation time
PayMode	Integer	Billing type <ul style="list-style-type: none"> - 0 : Pay-as-you-go. - 1 : Monthly subscription.
NetType	Integer	Network Type <ul style="list-style-type: none"> - 0 : Classic network. - 1 : VPC.

RedisInstanceEvent

Instance event information.

Used by actions: DescribeInstanceEvents.

Name	Type	Description
ID	Integer	Event ID. Note: This field may return null, indicating that no valid values can be obtained.
InstanceId	String	Instance ID.Note: This field may return null, indicating that no valid values can be obtained.

InstanceName	String	Instance name.Note: This field may return null, indicating that no valid values can be obtained.
Type	String	Event type. Currently, the type can only be related to instance migration, resource movement, and IDC deletion. This parameter can be only set to InstanceMigration .Note: This field may return null, indicating that no valid values can be obtained.
Grade	String	Event levels are divided into Critical, High, Medium, and Low events according to the severity and urgency.- Critical - High - Middle - Low Note: This field may return null, indicating that no valid values can be obtained.
ExecutionDate	String	Scheduled event execution date.Note: This field may return null, indicating that no valid values can be obtained.
StartTime	String	Scheduled start time of event execution.Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	Scheduled end time of event execution.Note: This field may return null, indicating that no valid values can be obtained.
LatestExecutionDate	String	The latest execution date of the operations event. Event execution must be completed before this date. Otherwise, the business may be affected.Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Current event status.- Waiting: The event is waiting for execution on the execution date or during the operations period.- Running: The event is being executed during the operations period.- Finished: Execution of the event operations is completed.- Canceled: Execution of the event is canceled.Note: This field may return null, indicating that no valid values can be obtained.
TaskEndTime	String	Completion time of the event execution task. Note: This field may return null, indicating that no valid values can be obtained.
EffectInfo	String	Impact of the event.Note: This field may return null, indicating that no valid values can be obtained.
InitialExecutionDate	String	Initial scheduled execution date of the event.Note: This field may return null, indicating that no valid values can be obtained.

RedisNode

Running information of Redis nodes

Used by actions: DescribeInstanceZoneInfo.

Name	Type	Description
Keys	Integer	Number of keys on Redis nodes
Slot	String	Slot distribution range for Redis node. Value range: 0-5460.
NodeId	String	Node sequence ID
Status	String	Node status
Role	String	Node role

RedisNodeInfo

Master or replica node information of the TencentDB for Redis instance.

Used by actions: CloneInstances, CreateInstances, DescribeInstances, ModifyInstanceAvailabilityZones, UpgradeInstance.

Name	Type	Required	Description
NodeType	Integer	Yes	Node type. <ul style="list-style-type: none"> 0 : Master node. 1 : Replica node.
NodeId	Integer	No	ID of the master or replica node <ul style="list-style-type: none"> This parameter is optional when the CreateInstances API is used to create a TencentDB for Redis instance, but it is required when the UpgradeInstance API is used to adjust the configuration of an instance by deleting a replica. You can use the DescribeInstances API to get the node ID of integer type.
ZoneId	Integer	No	ID of the AZ of the master or replica node
ZoneName	String	No	Name of the AZ of the master or replica node

RedisNodes

Redis node information

Used by actions: DescribeInstanceNodeInfo.

Name	Type	Description
NodeId	String	Node ID
NodeRole	String	Node role
ClusterId	Integer	Shard ID
ZoneId	Integer	AZ ID

RegionConf

Region information

Used by actions: DescribeProductInfo.

Name	Type	Description
RegionId	String	Region ID
RegionName	String	Region name
RegionShortName	String	Region abbreviation
Area	String	Name of the area where a region is located
ZoneSet	Array of ZoneCapacityConf	AZ information

ReplicaGroup

Information of the instance node group

Used by actions: DescribeInstanceZoneInfo.

Name	Type	Description
GroupId	Integer	Node group ID

GroupName	String	Node group name, which is empty for the master node
Zoneld	String	Node AZ ID, such as ap-guangzhou-1
Role	String	Node group type. Valid values: master (master node group); replica (replica node group)
RedisNodes	Array of RedisNode	List of nodes in the node group

ResourceTag

Tag bound to the instance purchased via API

Used by actions: CloneInstances, CreateInstances.

Name	Type	Required	Description
TagKey	String	Yes	Tag key
TagValue	String	Yes	The value corresponding to the tag key

SecurityGroup

Security group rules

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

Name	Type	Description
CreateTime	String	Creation time in the format of yyyy-mm-dd hh:mm:ss.
ProjectId	Integer	Project ID.
SecurityGroupId	String	Security group ID.
SecurityGroupName	String	Security group name.
SecurityGroupRemark	String	Security group remarks.
Outbound	Array of Outbound	Outbound rule.
Inbound	Array of Inbound	Inbound rule.

SecurityGroupDetail

Security group details

Used by actions: DescribeInstanceSecurityGroup, DescribeProjectSecurityGroup.

Name	Type	Description
ProjectId	Integer	Project ID
CreateTime	String	Security group creation time
SecurityGroupId	String	Security group ID
SecurityGroupName	String	Security group name
SecurityGroupRemark	String	Security group remarks
InboundRule	Array of SecurityGroupsInboundAndOutbound	Inbound rules of the security group, which control the access source to the database.
OutboundRule	Array of SecurityGroupsInboundAndOutbound	Security group outbound rule

SecurityGroupsInboundAndOutbound

Security group inbound/outbound rules

Used by actions: DescribeInstanceSecurityGroup, DescribeProjectSecurityGroup.

Name	Type	Description
Action	String	Identify whether the IP and port for accessing the database are allowed
Ip	String	IP address for accessing the database
Port	String	Port number
Proto	String	Protocol type

SourceCommand

Access command

Used by actions: DescribeInstanceMonitorTopNCmd.

Name	Type	Description
Cmd	String	Command
Count	Integer	Number of executions

SourceInfo

Access source information

Used by actions: DescribeInstanceMonitorSIP.

Name	Type	Description
Ip	String	Source IP
Conn	Integer	Number of connections
Cmd	Integer	Command

TaskInfoDetail

Task details

Used by actions: DescribeTaskList.

Name	Type	Description
TaskId	Integer	Task ID Note: This field may return null, indicating that no valid values can be obtained.
StartTime	String	Task start time Note: This field may return null, indicating that no valid values can be obtained.
TaskType	String	Task type. Valid values: - <code>FLOW_CREATE</code> : Create an instance. - <code>FLOW_MODIFYCONNECTIONCONFIG</code> : Adjust the number of bandwidth connections. - <code>FLOW_MODIFYINSTANCEPASSWORDFREE</code> : Modify the process of password-free access. - <code>FLOW_CLEARNETWORK</code> : Returning VPC - <code>FLOW_SETPWD</code> : Set the access password. - <code>FLOW_EXPORSHR</code> : Expand or reduce the capacity. - <code>FLOW_UpgradeArch</code> : Upgrade the instance architecture. - <code>FLOW_MODIFYINSTANCEPARAMS</code> : Modify the instance

		<p>parameters. - <code>FLOW_MODIFYINSTACEREADONLY</code> : Modify read-only process. - <code>FLOW_CLOSE</code> : Disable the instance. - <code>FLOW_DELETE</code> : Delete the instance. - <code>FLOW_OPEN_WAN</code> : Enable the public network. - <code>FLOW_FLOW_CLEAN</code> : Clear the instance. - <code>FLOW_MODIFYINSTANCEACCOUNT</code> : Modify the instance account. - <code>FLOW_ENABLEINSTANCE_REPLICATE</code> : Enable the replica read-only feature. - <code>FLOW_DISABLEINSTANCE_REPLICATE</code> : Disable the replica read-only feature. - <code>FLOW_SWITCHINSTANCEVIP</code> : Swap the VIPs of instances. - <code>FLOW_CHANGE_REPLICA_TO_MSTER</code>: Promote the replica node to the mater node. Backup instance</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>
InstanceName	String	<p>Instance name</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>
InstanceId	String	<p>Instance ID</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>
ProjectId	Integer	<p>Project ID</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>
Progress	Float	<p>Task progress</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>
EndTime	String	<p>Task end time</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>
Result	Integer	<p>Task execution status. Valid values: - <code>0</code> (initilized) - <code>1</code> (executing) - <code>2</code> (completed) - <code>4</code> (failed)</p> <p>Note: This field may return null, indicating that no valid values can be obtained.</p>

TendisNodes

Tendis node information

Used by actions: DescribeInstanceNodeInfo.

Name	Type	Description
NodeId	String	Node ID
NodeRole	String	Node role

TendisSlowLogDetail

Tendis slow query details

Used by actions: DescribeTendisSlowLog.

Name	Type	Description
ExecuteTime	String	Execution time
Duration	Integer	Duration of the slow query (ms)
Command	String	Command
CommandLine	String	Command line details
Node	String	Node ID

TradeDealDetail

Order transaction information

Used by actions: DescribeInstanceDealDetail.

Name	Type	Description
DealId	String	Order ID, which is used when a TencentCloud API is called.
DealName	String	Long order ID, which is used when an order issue is submitted for assistance.
ZoneId	Integer	AZ ID
GoodsNum	Integer	Number of instances associated with the order
Creator	String	Creator UIN
CreatTime	String	Order creation time
OverdueTime	String	Order timeout period
EndTime	String	Order completion time
Status	Integer	Order status. 1: unpaid; 2: paid but not delivered; 3: In delivery; 4: successfully delivered; 5: delivery failed; 6: refunded; 7: order closed; 8: order expired; 9: order invalidated; 10: product invalidated; 11: requested payment rejected; 12: paying
Description	String	Order status description
Price	Integer	Actual total price of the order in 0.01 CNY

InstanceIds	Array of String	Instance ID
-------------	-----------------	-------------

ZoneCapacityConf

Product information in the availability zone

Used by actions: DescribeProductInfo.

Name	Type	Description
Zoneld	String	AZ ID, such as ap-guangzhou-3
ZoneName	String	AZ name
IsSaleout	Boolean	Whether a product is sold out in an AZ
IsDefault	Boolean	Whether it is a default AZ
NetWorkType	Array of String	Network type. basenet: basic network; vpcnet: VPC
ProductSet	Array of ProductConf	Information of an AZ, such as product specifications in it
OldZoneld	Integer	AZ ID, such as 100003

Error Codes

Last updated : 2024-04-15 11:08:47

Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

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

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	<code>Authorization</code> in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalServerError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation.AddInstanceInfoFailed	Failed to add the security group information of the instance.
FailedOperation.AssociateSecurityGroupsFailed	Failed to associate the security group.
FailedOperation.ClearInstanceInfoFailed	Failed to clear the security group information of the instance.
FailedOperation.CommitFlowError	Failed to submit the task.
FailedOperation.DisassociateSecurityGroupsFailed	Failed to unbind the security group.
FailedOperation.DtsStatusAbnormal	This operation is not allowed under the current DTS status.
FailedOperation.FlowNotExists	No process exists.

FailedOperation.GetSecurityGroupDetailFailed	Failed to query the security group details. Try again later.
FailedOperation.PayFailed	Payment failed.
FailedOperation.RedoFlowFailed	No exact description for this error code for the time being.
FailedOperation.SetRuleLocationFailed	Failed to set the rule.
FailedOperation.SystemError	Internal system error, which is irrelevant to the business.
FailedOperation.UnSupportError	The instance does not support this API.
FailedOperation.Unknown	Invalid data is entered for weekday.
FailedOperation.UpdateInstanceInfoFailed	Failed to update the security group information of the instance.
FailedOperation.UpdateSecurityGroupsFailed	Failed to update the security group.
InternalError.CamAuthOssResponseReturnCodeError	A CAM authentication error occurred.
InternalError.DbOperationFailed	Internal system error with the database operation, which may be update, insert, select, etc.
InternalError.ExecHttpRequestError	Failed to execute the HTTP request. Try again later.
InternalError.InstanceOperatePermissionError	You do not have the operation permission.
InternalError.InternalError	Internal error.
InternalError.ListInstancesError	An error occurred while obtaining the list of instances. Try again later.
InternalError.NetWorkErr	A network error occurred.
InvalidParameter.ActionNotFound	The corresponding API was not found.
InvalidParameter.EmptyParam	The parameter is empty.
InvalidParameter.IllegalParameterError	Invalid parameter.
InvalidParameter.InstanceSGOverLimitError	The security groups of the instance exceeds the limit.

InvalidParameter.InvalidParameter	Invalid service parameter.
InvalidParameter.IsNotVpcInstance	The instance is not in a VPC.
InvalidParameter.NotSupported	The operation is unsupported due to incorrect parameters.
InvalidParameter.OnlyVPCOnSpecZoneId	Only VPCs are provided in the Shanghai Finance AZ.
InvalidParameter.Period	The time format or time range is invalid.
InvalidParameter.PermissionDenied	The API has no CAM permissions.
InvalidParameterValue.BackupNotExists	The backup does not exist.
InvalidParameterValue.BaseNetWorkAccessDeny	The instance is not in a VPC.
InvalidParameterValue.CheckNotPass	Business verification failed
InvalidParameterValue.InstanceNameRuleError	A renaming rule error occurred.
InvalidParameterValue.InvalidInstanceTypeId	The type of instances requested for purchase is incorrect (TypeId - 1: Cluster Edition; 2: Master-Replica Edition, i.e., the legacy Master-Replica Edition).
InvalidParameterValue.InvalidSubnetId	The <code>vpcid</code> or subnet ID in the VPC is invalid.
InvalidParameterValue.MemSizeNotInRange	The requested capacity is out of the purchasable capacity range.
InvalidParameterValue.NotRepeatBind	The instance has already been bound.
InvalidParameterValue.PasswordEmpty	The password is empty.
InvalidParameterValue.PasswordError	Password verification error due to incorrect password.
InvalidParameterValue.PasswordFreeDenied	Tencent internal accounts are not allowed to use password-free instances.
InvalidParameterValue.PasswordRuleError	When the password is set, the old password passed in by MC does not match the previously set password.
InvalidParameterValue.ReduceCapacityNotAllowed	The request capacity is too small. Capacity reduction is not supported.

InvalidParameterValue.ReplicationGroupNotExists	The global replication group doesn't exist.
InvalidParameterValue.SecurityGroupIdsNotExists	The request parameter or security group ID is incorrect.
InvalidParameterValue.SpecNotExist	The instance specification doesn't exist.
InvalidParameterValue.UnSupportedType	The instance type is not supported.
InvalidParameterValue.UnVpcIdNotExists	The <code>uniqVpcId</code> or subnet ID in the VPC is invalid.
InvalidParameterValue.WeekDaysInvalid	Invalid data is entered for <code>weekday</code> .
LimitExceeded.ExceedUpperLimit	The number of bound instances exceeds the upper limit.
LimitExceeded.InstanceNotEmpty	The bound instance must not be specified.
LimitExceeded.InvalidMemSize	The requested capacity is out of the purchasable specification range (<code>memSize</code> should be an integer multiple of 1,024 in MB).
LimitExceeded.InvalidParameterGoodsNumNotInRange	The number of instances requested for purchase at a time is out of the purchasable quantity range.
LimitExceeded.MemSizeNotInRange	The requested capacity is out of the purchasable capacity range.
LimitExceeded.PeriodExceedMaxLimit	The requested length of purchase is more than three years and exceeds the maximum value.
LimitExceeded.PeriodLessThanMinLimit	The length of purchase is invalid. It must be at least one month.
LimitExceeded.ReachTheAmountLimit	The quantity of requested TencentDB for Redis instances falls out of the limit range.
LimitExceeded.ReplicationGroupLocked	Replication group locked
ResourceInUse.InstanceBeenLocked	The instance is locked by another process.
ResourceNotFound.AccountDoesNotExists	The UIN value is empty.
ResourceNotFound.InstanceNotExists	No Redis instance is found by the serialId.

ResourceNotFound.InstanceNotFound	The instance was not found.
ResourceUnavailable.AccountBalanceNotEnough	The request order number does not exist.
ResourceUnavailable.BackupLockedError	The backup has been locked by another task, and the operation cannot be performed temporarily.
ResourceUnavailable.BackupSpecError	Backup and recovery specifications are not supported.
ResourceUnavailable.BackupStatusAbnormal	Backup status exception. The operation cannot be performed temporarily. The backup may have expired or been deleted.
ResourceUnavailable.BackupStatusInvalid	Backup is not supported when the instance is not in the "Running" status.
ResourceUnavailable.CallOssError	Failed to call the backend API.
ResourceUnavailable.GetSecurityError	Failed to get the security group information.
ResourceUnavailable.InstanceConfError	An instance configuration error occurred.
ResourceUnavailable.InstanceDeleted	The instance has already been repossessed.
ResourceUnavailable.InstanceIsolated	The instance has expired.
ResourceUnavailable.InstanceLockedError	Redis has been locked by another process.
ResourceUnavailable.InstanceNoDeal	The order does not exist.
ResourceUnavailable.InstanceNotSupportOperation	Instances in this status do not support the operation.
ResourceUnavailable.InstanceStateError	Instance status error.
ResourceUnavailable.InstanceStatusAbnormal	The Redis status is exceptional, and the corresponding process cannot be executed.
ResourceUnavailable.InstanceStatusError	Operation unsupported: the instance is exceptional.
ResourceUnavailable.InstanceUnLockedError	The instance has been locked by another process.
ResourceUnavailable.NoEnoughVipInVPC	The IP resources in the VPC are insufficient.
ResourceUnavailable.NoRedisService	The requested region currently does not

	provide the Redis service.
ResourceUnavailable.NoServiceAvailableForThisZoneId	The requested <code>zoneId</code> doesn't provide Redis service.
ResourceUnavailable.NoTypeRedisService	The requested region currently does not provide the requested type of Redis service.
ResourceUnavailable.SaleOut	Resources of the specified type in the region are sold out.
ResourceUnavailable.SecurityGroupNotSupported	The product has not been connected to any security group.
UnauthorizedOperation.NoCAMAuthed	No CAM permissions.
UnauthorizedOperation.UserNotInWhiteList	The user is not in the allowlist.
UnsupportedOperation.ClusterInstanceAccessedDeny	The Redis cluster edition is not allowed to connect to a security group.
UnsupportedOperation.Inspection	Inspecting replication group
UnsupportedOperation.InstanceNotOperation	Unsupported operation
UnsupportedOperation.IsAutoRenewError	There is an error with the auto-renewal flag.
UnsupportedOperation.LimitProxyVersion	The instance version is too low.
UnsupportedOperation.OnlyClusterInstanceCanExportBackup	Only Cluster Edition instances support backup exporting.