

# **Tencent Cloud Organization**

## **API Documentation**

### **Product Documentation**



## Copyright Notice

©2013-2025 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 the Tencent corporate group, including its parent, subsidiaries and affiliated companies, as the case may be. 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

- Organization Settings APIs

  - DescribeOrganization

  - CreateOrganization

  - DeleteOrganization

  - QuitOrganization

- Department and Member Management APIs

  - AddOrganizationNode

  - UpdateOrganizationNode

  - DeleteOrganizationNodes

  - DescribeOrganizationNodes

  - InviteOrganizationMember

  - CreateOrganizationMember

  - UpdateOrganizationMember

  - DeleteOrganizationMembers

  - DescribeOrganizationMembers

  - MoveOrganizationNodeMembers

  - AddOrganizationMemberEmail

  - UpdateOrganizationMemberEmailBind

  - DescribeOrganizationMemberEmailBind

  - SendOrgMemberAccountBindEmail

- ListOrganizationIdentity

  - ListOrganizationIdentity

  - DescribeOrganizationMemberAuthIdentities

  - DescribeOrganizationMemberPolicies

  - BindOrganizationMemberAuthAccount

CancelOrganizationMemberAuthAccount  
DescribeOrganizationMemberAuthAccounts  
CreateOrganizationMemberPolicy

#### Unified Member Login APIs

CreateOrganizationIdentity  
UpdateOrganizationIdentity  
DeleteOrganizationIdentity  
CreateOrganizationMemberAuthIdentity  
DeleteOrganizationMemberAuthIdentity  
CreateOrganizationMembersPolicy  
DeleteOrganizationMembersPolicy

#### Organization Service Management APIs

ListOrganizationService  
CreateOrgServiceAssign  
DeleteOrgServiceAssign  
ListOrgServiceAssignMember

#### Resource Sharing APIs

AddShareUnit  
UpdateShareUnit  
DeleteShareUnit  
DescribeShareUnits  
AddShareUnitMembers  
DeleteShareUnitMembers  
AcceptJoinShareUnitInvitation  
RejectJoinShareUnitInvitation  
DescribeShareUnitMembers  
AddShareUnitResources  
DeleteShareUnitResources  
DescribeShareUnitResources  
DescribeShareAreas

#### Identity Center Management APIs

OpenIdentityCenter  
DescribeIdentityCenter  
UpdateZone  
GetZoneStatistics

#### Identity Center User Management APIs

CreateUser  
ListUsers

GetUser

UpdateUser

UpdateUserStatus

DeleteUser

#### Identity Center User Group Management APIs

CreateGroup

DeleteGroup

AddUserToGroup

ListGroupMembers

ListJoinedGroupsForUser

RemoveUserFromGroup

UpdateGroup

GetGroup

ListGroups

#### Identity Center Management SCIM Synchronization APIs

CreateSCIMCredential

DeleteSCIMCredential

UpdateSCIMCredentialStatus

UpdateSCIMSynchronizationStatus

GetSCIMSynchronizationStatus

ListSCIMCredentials

#### Identity Center Single Sign-On Management APIs

AddExternalSAMLIdPCertificate

ClearExternalSAMLIdentityProvider

GetExternalSAMLIdentityProvider

GetZoneSAMLServiceProviderInfo

ListExternalSAMLIdPCertificates

RemoveExternalSAMLIdPCertificate

SetExternalSAMLIdentityProvider

#### Identity Center Permission Configuration Management APIs

ListRoleConfigurationProvisionings

CreateRoleConfiguration

ListRoleConfigurations

ListPermissionPoliciesInRoleConfiguration

GetRoleConfiguration

RemovePermissionPolicyFromRoleConfiguration

UpdateCustomPolicyForRoleConfiguration

UpdateRoleConfiguration

AddPermissionPolicyToRoleConfiguration

DeleteRoleConfiguration

#### Identity Center Multi-Account Authorization Management APIs

CreateRoleAssignment

DeleteRoleAssignment

DismantleRoleConfiguration

ProvisionRoleConfiguration

ListRoleAssignments

ListTasks

GetTaskStatus

#### Identity Center Sub-User Synchronization Management APIs

ListUserSyncProvisionings

CreateUserSyncProvisioning

DeleteUserSyncProvisioning

GetProvisioningTaskStatus

GetUserSyncProvisioning

UpdateUserSyncProvisioning

#### Data Types

#### Error Codes

#### TCO API 2018-12-25

History

Introduction

API Category

Making API Requests

Request Structure

Common Params

Signature v3

Signature

Responses

Read APIs

ListOrganizationNodes

ListOrganizationNodeMembers

ListOrganizationMembers

ListOrganizationInvitations

GetOrganizationMember

GetOrganization

Write APIs

UpdateOrganizationNode

- UpdateOrganizationMember
- SendOrganizationInvitation
- QuitOrganization
- MoveOrganizationMembersToNode
- DenyOrganizationInvitation
- DeleteOrganizationNodes
- DeleteOrganizationMemberFromNode
- DeleteOrganization
- CreateOrganization
- CancelOrganizationInvitation
- AddOrganizationNode
- AcceptOrganizationInvitation
- DeleteOrganizationMembers

Data Types

Error Codes

# API Documentation

## History

Last updated : 2025-03-06 17:08:32

### Release 9

Release time: 2025-03-06 17:08:03

Release updates:

Improvement to existing documentation.

New APIs:

- [AddOrganizationMemberEmail](#)
- [DescribeOrganizationMemberEmailBind](#)
- [SendOrgMemberAccountBindEmail](#)
- [UpdateOrganizationMemberEmailBind](#)

### Release 8

Release time: 2025-02-26 11:50:51

Release updates:

Improvement to existing documentation.

New APIs:

- [AcceptJoinShareUnitInvitation](#)
- [AddShareUnit](#)
- [AddShareUnitMembers](#)
- [AddShareUnitResources](#)
- [DeleteShareUnit](#)
- [DeleteShareUnitMembers](#)
- [DeleteShareUnitResources](#)
- [DescribeShareAreas](#)
- [DescribeShareUnitMembers](#)
- [DescribeShareUnitResources](#)



- [DescribeShareUnits](#)
- [RejectJoinShareUnitInvitation](#)
- [UpdateShareUnit](#)

Modified APIs:

- [CreateOrgServiceAssign](#)
  - **Modified input parameters:** ServiceId
- [DeleteOrgServiceAssign](#)
  - **Modified input parameters:** ServiceId
- [ListOrgServiceAssignMember](#)
  - **Modified input parameters:** ServiceId

New data structures:

- [ManagerShareUnit](#)
- [ProductResource](#)
- [ShareArea](#)
- [ShareMember](#)
- [ShareResource](#)
- [ShareUnitMember](#)
- [ShareUnitResource](#)

## Release 7

Release time: 2024-11-27 21:23:54

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateOrganization](#)
- [CreateOrganizationIdentity](#)
- [CreateOrganizationMemberAuthIdentity](#)
- [CreateOrganizationMembersPolicy](#)
- [CreateSCIMCredential](#)
- [DeleteOrganization](#)
- [DeleteOrganizationIdentity](#)
- [DeleteOrganizationMemberAuthIdentity](#)

- [DeleteOrganizationMembersPolicy](#)
- [DeleteSCIMCredential](#)
- [GetSCIMSynchronizationStatus](#)
- [ListSCIMCredentials](#)
- [QuitOrganization](#)
- [UpdateCustomPolicyForRoleConfiguration](#)
- [UpdateOrganizationIdentity](#)
- [UpdateOrganizationMember](#)
- [UpdateSCIMCredentialStatus](#)
- [UpdateSCIMSynchronizationStatus](#)

#### Modified APIs:

- [CreateGroup](#)
  - New input parameters:GroupType
- [CreateUser](#)
  - New input parameters:UserType
- [ListGroups](#)
  - New input parameters:Offset
- [ListUsers](#)
  - New input parameters:Offset

#### New data structures:

- [SCIMCredential](#)

## Release 6

Release time: 2024-09-23 14:12:48

#### Release updates:

Improvement to existing documentation.

#### New APIs:

- [InviteOrganizationMember](#)

#### Modified APIs:

- [AddOrganizationNode](#)

- New input parameters:Tags
- [CreateOrganizationMember](#)
  - New input parameters:Tags
- [DescribeOrganizationMembers](#)
  - New input parameters:Tags
- [DescribeOrganizationNodes](#)
  - New input parameters:Tags

New data structures:

- [AuthRelationFile](#)
- [Tag](#)

Modified data structures:

- [OrgMember](#)
  - New members:Tags
- [OrgNode](#)
  - New members:Tags

## Release 5

Release time: 2024-08-26 11:23:45

Release updates:

Improvement to existing documentation.

New APIs:

- [AddExternalSAMLIdPCertificate](#)
- [AddPermissionPolicyToRoleConfiguration](#)
- [AddUserToGroup](#)
- [ClearExternalSAMLIdentityProvider](#)
- [CreateGroup](#)
- [CreateRoleAssignment](#)
- [CreateRoleConfiguration](#)
- [CreateUser](#)
- [CreateUserSyncProvisioning](#)
- [DeleteGroup](#)
- [DeleteRoleAssignment](#)

- [DeleteRoleConfiguration](#)
- [DeleteUser](#)
- [DeleteUserSyncProvisioning](#)
- [DescribeIdentityCenter](#)
- [DismantleRoleConfiguration](#)
- [GetExternalSAMLIdentityProvider](#)
- [GetGroup](#)
- [GetProvisioningTaskStatus](#)
- [GetRoleConfiguration](#)
- [GetTaskStatus](#)
- [GetUser](#)
- [GetUserSyncProvisioning](#)
- [GetZoneSAMLServiceProviderInfo](#)
- [GetZoneStatistics](#)
- [ListExternalSAMLIdPCertificates](#)
- [ListGroupMembers](#)
- [ListGroups](#)
- [ListJoinedGroupsForUser](#)
- [ListPermissionPoliciesInRoleConfiguration](#)
- [ListRoleAssignments](#)
- [ListRoleConfigurationProvisionings](#)
- [ListRoleConfigurations](#)
- [ListTasks](#)
- [ListUserSyncProvisionings](#)
- [ListUsers](#)
- [OpenIdentityCenter](#)
- [ProvisionRoleConfiguration](#)
- [RemoveExternalSAMLIdPCertificate](#)
- [RemovePermissionPolicyFromRoleConfiguration](#)
- [RemoveUserFromGroup](#)
- [SetExternalSAMLIdentityProvider](#)
- [UpdateGroup](#)
- [UpdateRoleConfiguration](#)
- [UpdateUser](#)
- [UpdateUserStatus](#)
- [UpdateUserSyncProvisioning](#)
- [UpdateZone](#)

## Modified APIs:

- [DescribeOrganizationMemberAuthIdentities](#)
  - New input parameters: IdentityId
  - **Modified input parameters:** MemberUin

## New data structures:

- [GroupInfo](#)
- [GroupMembers](#)
- [JoinedGroups](#)
- [PolicyDetail](#)
- [RoleAssignmentInfo](#)
- [RoleAssignments](#)
- [RoleConfiguration](#)
- [RoleConfigurationProvisionings](#)
- [RolePolicie](#)
- [RoleProvisioningsTask](#)
- [SAMLIdPCertificate](#)
- [SAMLIdentityProviderConfiguration](#)
- [SAMLServiceProvider](#)
- [TaskInfo](#)
- [TaskStatus](#)
- [UserInfo](#)
- [UserProvisioning](#)
- [UserProvisioningsTask](#)
- [UserSyncProvisioning](#)
- [ZoneStatistics](#)

## Modified data structures:

- [IdentityPolicy](#)
  - New members: PolicyType, PolicyDocument
  - **Modified members:** PolicyId, PolicyName
- [OrgMemberAuthIdentity](#)
  - New members: Status, MemberUin, MemberName
  - **Modified members:** IdentityType

## Release 4

Release time: 2024-08-14 19:35:08

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateOrgServiceAssign](#)
- [DeleteOrgServiceAssign](#)
- [ListOrgServiceAssignMember](#)
- [ListOrganizationService](#)

New data structures:

- [MemberMainInfo](#)
- [NodeMainInfo](#)
- [OrganizationServiceAssign](#)
- [OrganizationServiceAssignMember](#)

## Release 3

Release time: 2023-07-06 16:55:08

Release updates:

Improvement to existing documentation.

Modified APIs:

- [ListOrganizationIdentity](#)
  - New input parameters:IdentityType

## Release 2

Release time: 2023-04-04 15:55:35

Release updates:

Improvement to existing documentation.

Modified data structures:

- [OrgMemberAuthIdentity](#)

- New members:IdentityType

## Existing Release

Release time: 2022-12-08 10:24:03

Existing APIs/data structures are as follows:

Improvement to existing documentation.

Existing APIs:

- [AddOrganizationNode](#)
- [BindOrganizationMemberAuthAccount](#)
- [CancelOrganizationMemberAuthAccount](#)
- [CreateOrganizationMember](#)
- [CreateOrganizationMemberPolicy](#)
- [DeleteOrganizationMembers](#)
- [DeleteOrganizationNodes](#)
- [DescribeOrganization](#)
- [DescribeOrganizationMemberAuthAccounts](#)
- [DescribeOrganizationMemberAuthIdentities](#)
- [DescribeOrganizationMemberPolicies](#)
- [DescribeOrganizationMembers](#)
- [DescribeOrganizationNodes](#)
- [ListOrganizationIdentity](#)
- [MoveOrganizationNodeMembers](#)
- [UpdateOrganizationNode](#)

Existing data structures:

- [IdentityPolicy](#)
- [MemberIdentity](#)
- [OrgIdentity](#)
- [OrgMember](#)
- [OrgMemberAuthAccount](#)
- [OrgMemberAuthIdentity](#)
- [OrgMemberPolicy](#)
- [OrgNode](#)
- [OrgPermission](#)

# Introduction

Last updated : 2024-08-14 19:35:15

Welcome to TCO !

Tencent Cloud Organization (TCO) is an account management service that enables you to centrally manage multiple Tencent Cloud accounts by integrating them with an organization you created. It provides features that lets you view bills and manage accounts to meet your budgeting, security, and compliance needs. As an administrator of an organization, you can invite existing accounts to join the organization. Through its streamlined multi-account billing mode, TCO allows you to view the billing details of all accounts in your organization conveniently by switching among accounts. Currently, it is available to all Tencent Cloud customers for free.



# API Category

Last updated : 2025-03-06 17:08:31

## Organization Settings APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">DescribeOrganization</a>	Gets the organization information	40
<a href="#">CreateOrganization</a>	Creates an organization	20
<a href="#">DeleteOrganization</a>	Deletes an organization	20
<a href="#">QuitOrganization</a>	Exits an organization	20

## Department and Member Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">AddOrganizationNode</a>	Adds an organization node	20
<a href="#">UpdateOrganizationNode</a>	Updates an organization node	20
<a href="#">DeleteOrganizationNodes</a>	Batch deletes organization nodes	20
<a href="#">DescribeOrganizationNodes</a>	Gets the list of organization nodes	20
<a href="#">InviteOrganizationMember</a>	Invites a member	20
<a href="#">CreateOrganizationMember</a>	Creates an organization member	20
<a href="#">UpdateOrganizationMember</a>	Updates organization member information	20
<a href="#">DeleteOrganizationMembers</a>	Batch removes organization members	20
<a href="#">DescribeOrganizationMembers</a>	Gets the list of organization members	-
<a href="#">MoveOrganizationNodeMembers</a>	Moves a member to the specified	20

	organization node	
<a href="#">AddOrganizationMemberEmail</a>	Adds an organization member's mailbox	20
<a href="#">UpdateOrganizationMemberEmailBind</a>	Modifies the mailbox of a bound member	20
<a href="#">DescribeOrganizationMemberEmailBind</a>	Queries detailed information about member mailbox binding	20
<a href="#">SendOrgMemberAccountBindEmail</a>	Resends an email for activating the member's bound mailbox	20

## Unified Member Login APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">CreateOrganizationIdentity</a>	Adds an organization identity	20
<a href="#">UpdateOrganizationIdentity</a>	Updates an organization identity	20
<a href="#">DeleteOrganizationIdentity</a>	Deletes an organization identity	20
<a href="#">ListOrganizationIdentity</a>	Gets the list of access identities of an organization member	20
<a href="#">CreateOrganizationMemberAuthIdentity</a>	Adds organization member access authorization	20
<a href="#">DeleteOrganizationMemberAuthIdentity</a>	Deletes organization member access authorization	20
<a href="#">DescribeOrganizationMemberAuthIdentities</a>	Obtains the list of organization member access authorization	20
<a href="#">CreateOrganizationMembersPolicy</a>	Creates an organization member access policy	20
<a href="#">DeleteOrganizationMembersPolicy</a>	Deletes an organization member access policy	20
<a href="#">DescribeOrganizationMemberPolicies</a>	Gets the list of authorization policies of an organization member	20

<a href="#">BindOrganizationMemberAuthAccount</a>	Binds an organization member to a sub-account of the organization admin	20
<a href="#">CancelOrganizationMemberAuthAccount</a>	Unbinds an organization member from a sub-account of the organization admin	20
<a href="#">DescribeOrganizationMemberAuthAccounts</a>	Gets the list of sub-accounts bound to an organization member	20
<a href="#">CreateOrganizationMemberPolicy</a>	Creates an organization member access authorization policy	20

## Organization Service Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">ListOrganizationService</a>	Obtains the list of organization service settings	20
<a href="#">CreateOrgServiceAssign</a>	Adds a delegated admin of the organization service	20
<a href="#">DeleteOrgServiceAssign</a>	Deletes a delegated admin of the organization service	20
<a href="#">ListOrgServiceAssignMember</a>	Obtains the list of delegated admins of the organization service	20

## Resource Sharing APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">AddShareUnit</a>	Creates a shared unit	20
<a href="#">UpdateShareUnit</a>	Updates a shared unit	20
<a href="#">DeleteShareUnit</a>	Deletes a shared unit	20

<a href="#">DescribeShareUnits</a>	Obtains a list of shared units	20
<a href="#">AddShareUnitMembers</a>	Adds a shared unit member	20
<a href="#">DeleteShareUnitMembers</a>	Deletes a shared unit member	20
<a href="#">AcceptJoinShareUnitInvitation</a>	Accepts an invitation to join a shared unit	20
<a href="#">RejectJoinShareUnitInvitation</a>	Rejects an invitation to join a shared unit	20
<a href="#">DescribeShareUnitMembers</a>	Obtains the member list of a shared unit	20
<a href="#">AddShareUnitResources</a>	Adds resources to a shared unit	20
<a href="#">DeleteShareUnitResources</a>	Deletes shared unit resources	20
<a href="#">DescribeShareUnitResources</a>	Obtains the resource list of a shared unit	20
<a href="#">DescribeShareAreas</a>	Obtains a list of shareable regions	20

## Identity Center Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">OpenIdentityCenter</a>	Activates TCO Identity Center service	20
<a href="#">DescribeIdentityCenter</a>	Obtains TCO Identity Center service information	20
<a href="#">UpdateZone</a>	Modifies the space name	20
<a href="#">GetZoneStatistics</a>	Queries space statistics	20

## Identity Center User Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)

<a href="#">CreateUser</a>	Creates a user	20
<a href="#">ListUsers</a>	Queries the user list	20
<a href="#">GetUser</a>	Queries the user information	20
<a href="#">UpdateUser</a>	Modifies the user information	20
<a href="#">UpdateUserStatus</a>	Modifies the user status	20
<a href="#">DeleteUser</a>	Deletes a user	20

## Identity Center User Group Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">CreateGroup</a>	Creates user groups	20
<a href="#">DeleteGroup</a>	Deletes user groups	20
<a href="#">AddUserToGroup</a>	Adds users to a user group	20
<a href="#">ListGroupMembers</a>	Queries the user list of the user group	20
<a href="#">ListJoinedGroupsForUser</a>	Queries the user group joined by users	20
<a href="#">RemoveUserFromGroup</a>	Removes users from a user group	20
<a href="#">UpdateGroup</a>	Modifies the user group information	20
<a href="#">GetGroup</a>	Queries the user group information	20
<a href="#">ListGroups</a>	Queries the user group list	20

## Identity Center Management SCIM Synchronization APIs

API Name	Feature	Frequency Limit (maximum requests per second)
----------	---------	---

<a href="#">CreateSCIMCredential</a>	Creates a SCIM key	20
<a href="#">DeleteSCIMCredential</a>	Deletes a SCIM key	20
<a href="#">UpdateSCIMCredentialStatus</a>	Enables or disables a SCIM key	20
<a href="#">UpdateSCIMSynchronizationStatus</a>	Enables or disables SCIM synchronization	20
<a href="#">GetSCIMSynchronizationStatus</a>	Queries SCIM synchronization status	20
<a href="#">ListSCIMCredentials</a>	Queries the SCIM key list	20

## Identity Center Single Sign-On Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">AddExternalSAMLIdPCertificate</a>	Adds SAML signing certificates	20
<a href="#">ClearExternalSAMLIdentityProvider</a>	Clears the SAML identity provider configuration information	20
<a href="#">GetExternalSAMLIdentityProvider</a>	Queries the SAML identity provider configuration information	20
<a href="#">GetZoneSAMLServiceProviderInfo</a>	Queries the SAML service provider information	20
<a href="#">ListExternalSAMLIdPCertificates</a>	Queries the SAML signing certificate list	20
<a href="#">RemoveExternalSAMLIdPCertificate</a>	Removes SAML signing certificates	20
<a href="#">SetExternalSAMLIdentityProvider</a>	Configures the SAML identity provider information	20

## Identity Center Permission Configuration Management APIs

API Name	Feature	Frequency Limit (maximum requests per
----------	---------	---------------------------------------

		second)
<a href="#">ListRoleConfigurationProvisionings</a>	Queries the permission configuration deployment list	20
<a href="#">CreateRoleConfiguration</a>	Creates permission configurations	20
<a href="#">ListRoleConfigurations</a>	Queries the permission configuration list	20
<a href="#">ListPermissionPoliciesInRoleConfiguration</a>	Obtains the policy list in permission configurations	20
<a href="#">GetRoleConfiguration</a>	Queries the permission configuration information	20
<a href="#">RemovePermissionPolicyFromRoleConfiguration</a>	Removes policies from permission configurations	20
<a href="#">UpdateCustomPolicyForRoleConfiguration</a>	Modifies a custom policy for permission configurations	20
<a href="#">UpdateRoleConfiguration</a>	Modifies the permission configuration information	20
<a href="#">AddPermissionPolicyToRoleConfiguration</a>	Adds policies to permission configurations	20
<a href="#">DeleteRoleConfiguration</a>	Deletes the permission configuration information	20

## Identity Center Multi-Account Authorization Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">CreateRoleAssignment</a>	Grants authorizations on member accounts	20
<a href="#">DeleteRoleAssignment</a>	Removes authorizations on member accounts	20
<a href="#">DismantleRoleConfiguration</a>	Removes permission configuration deployment	20
<a href="#">ProvisionRoleConfiguration</a>	This API is used to deploy permission configurations on member accounts.	20

<a href="#">ListRoleAssignments</a>	Queries the authorization list	20
<a href="#">ListTasks</a>	Queries the async task list	20
<a href="#">GetTaskStatus</a>	Queries the status of async tasks	220

## Identity Center Sub-User Synchronization Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">ListUserSyncProvisionings</a>	Queries the CAM user synchronization list	20
<a href="#">CreateUserSyncProvisioning</a>	Creates sub-user synchronization tasks	20
<a href="#">DeleteUserSyncProvisioning</a>	Deletes the CAM user synchronization	20
<a href="#">GetProvisioningTaskStatus</a>	Queries the status of async tasks of user synchronization	220
<a href="#">GetUserSyncProvisioning</a>	Queries the CAM user synchronization	20
<a href="#">UpdateUserSyncProvisioning</a>	Updates the CAM user synchronization	20



# Making API Requests

## Request Structure

Last updated : 2024-11-27 21:24:06

### 1. Service Address

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

Southeast Asia (Singapore)	organization.ap-singapore.tencentcloudapi.com
Southeast Asia (Bangkok)	organization.ap-bangkok.tencentcloudapi.com
South Asia (Mumbai)	organization.ap-mumbai.tencentcloudapi.com
Northeast Asia (Seoul)	organization.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	organization.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	organization.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	organization.na-siliconvalley.tencentcloudapi.com
Europe (Frankfurt)	organization.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 : 2024-11-27 21:24:07

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=AKID*****/Date/service/tc3_request, SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKID***** is the SecretId; Date is a date and time, and this value must match the value of X-TC-Timestamp (a common parameter).

			<p>UTC time format; service is the name of the product/service, and is general name prefix. For example, a domain name <code>cvm.tencentcloudapi.com</code> refers to product and the value would be <code>cvm</code>;</p> <ul style="list-style-type: none"> <li>- SignedHeaders: The headers that contains the authentication information type and host are the required headers;</li> <li>- Signature: Signature digest.</li> </ul>
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=AKID*****/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=AKID*****/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=AKID*****/2018-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
```

```
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 <a href="#">Cloud API Key</a> 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=37ac2f4fde00b0ac9bd9eadeb459b1bbbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKID*****
```

```
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=AKID*****  
****
```

## Region List

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

Region	Value
Southeast Asia (Singapore)	ap-singapore



# Signature v3

Last updated : 2025-02-26 11:51:06

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 `AKID*****` and `*****`, 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=AKID*****
*/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b85514
48762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2" \
-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&amp;Offset=0</code>.</p> <p>Note: <code>CanonicalQueryString</code> must be URL-encoded, referencing <a href="#">RFC3986</a>, 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"> <li>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;</li> <li>If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase).</li> </ol> <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"> <li>Both the key and value of the header should be converted to lowercase;</li> <li>If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;).</li> </ol> <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 pay
of the HTTP request, performing hexadecimal encoding, and finally converting the encc
string to lowercase letters. For GET requests, RequestPayload is always an empt
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 TC3-HMAC-SHA256 .
RequestTimestamp	Request timestamp, i.e., the value of the common parameter X-TC-Timestamp in request header, which is the UNIX timestamp of the current time in seconds, such as 1551113065 in this example.
CredentialScope	Scope of the credential in the format of Date/service/tc3_request , including date, requested service and termination string (tc3_request). Date is a date in UTC time, whose value should match the UTC date converted by the common parameter X-TC-Timestamp ; service is the product name, which should match the domain name of the product called. The calculation result in this example is 2015/cvm/tc3_request .

HashedCanonicalRequest	<p>Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(CanonicalRequest)))</p> <p>The calculation result in this example is</p> <pre>2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad</pre>
------------------------	--

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 = "*****"
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., *****.
Date	The Date field information in Credential , such as 2019-02-25 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>AKID*****</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>a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2</code> .

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

```
TC3-HMAC-SHA256 Credential=AKID*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2
```

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKID*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2
```

```
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=AKID*****&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 = "AKID*****";
    private final static String SECRET_KEY = "*****";
    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 = "AKID*****"
secret_key = "*****"

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": [{"Values": ["unnamed"], "Name": "instance-name"}]}

# ***** 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 := "AKID*****"
    secretKey := "*****"
    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 = "AKID*****";
$secretKey = "*****";
$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 = 'AKID*****'
secret_key = '*****'

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 = "AKID*****";
    string SECRET_KEY = "*****";

    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\": [\"unnamed\"], \"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 = "AKID*****"
const SECRET_KEY = "*****"

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* const lut = "0123456789abcdef";
    size_t len = input.length();

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

```
return output;
}

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

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 : 2025-02-26 11:51:06

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: AKID\*\*\*\*\*
- SecretKey: \*\*\*\*\*

**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	AKID*****
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' : 'AKID*****',
  '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=AKID*****&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=AKID*****
*****&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 = '*****';

```

The final signature is:

```
7RAM2xfNMO9EiVTNmPg06MRnCvQ=
```

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 7RAM2xfNMO9EiVTNmPg06MRnCvQ=, the final signature string request parameter (Signature) is 7RAM2xfNMO9EiVTNmPg06MRnCvQ%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=AKID*****&Signature=7RAM2xfNMO9EiVTNmPg06MRnCvQ%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 enable
    s 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", "AKID*****"); // 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), "*****", "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 = "AKID*****"
secret_key = "*****"
```



```

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 := "AKID*****"
    secretKey := "*****"

```

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

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

ksort($param);

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

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

## Ruby

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

secret_id = "AKID*****"
secret_key = "*****"

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 = "AKID*****";
string SECRET_KEY = "*****";

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 = "AKID*****"
const SECRET_KEY = "*****"

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 : 2024-08-14 19:35:23

## 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.

# Organization Settings APIs

## DescribeOrganization

Last updated : 2025-02-26 11:51:19

### 1. API Description

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

This API is used to get the organization information.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Lang	No	String	Valid values: <code>en</code> (Tencent Cloud International); <code>zh</code> (Tencent Cloud).
Product	No	String	Abbreviation of the trusted service, which is required during querying the trusted service admin.

### 3. Output Parameters

Parameter Name	Type	Description
OrgId	Integer	Organization ID. Note: This field may return null, indicating that no valid values can be obtained.
HostUin	Integer	Creator UIN. Note: This field may return null, indicating that no valid values can be obtained.
NickName	String	Creator name. Note: This field may return null, indicating that no valid values can be obtained.
OrgType	Integer	Organization type. Note: This field may return null, indicating that no valid values can be obtained.
IsManager	Boolean	Whether the member is the organization admin. Valid values: <code>true</code> (yes); <code>false</code> (no). Note: This field may return null, indicating that no valid values can be obtained.
OrgPolicyType	String	Policy type. Valid values: <code>Financial</code> (finance management). Note: This field may return null, indicating that no valid values can be obtained.
OrgPolicyName	String	Policy name. Note: This field may return null, indicating that no valid values can be obtained.
OrgPermission	Array of <a href="#">OrgPermission</a>	List of member financial permissions. Note: This field may return null, indicating that no valid values can be obtained.
RootNodeid	Integer	Organization root node ID. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Organization creation time. Note: This field may return null, indicating that no valid values can be obtained.
JoinTime	String	Member joining time. Note: This field may return null, indicating that no valid values can be obtained.

IsAllowQuit	String	Whether the member is allowed to leave. Valid values: <code>Allow</code> , <code>Denied</code> . Note: This field may return null, indicating that no valid values can be obtained.
PayUin	String	Payer UIN. Note: This field may return null, indicating that no valid values can be obtained.
PayName	String	Payer name. Note: This field may return null, indicating that no valid values can be obtained.
IsAssignManager	Boolean	Whether the member is the trusted service admin. Valid values: <code>true</code> (yes); <code>false</code> (no). Note: This field may return null, indicating that no valid values can be obtained.
IsAuthManager	Boolean	Whether the member is the verified entity admin. Valid values: <code>true</code> (yes); <code>false</code> (no). Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Getting organization details

#### Input Example

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

{ }
```

#### Output Example

```
{
  "Response": {
    "CreateTime": "2021-04-15 21:07:54",
    "JoinTime": "2021-04-15 21:07:54",
    "HostUin": 100000546922,
    "IsManager": true,
    "NickName": "",
    "OrgId": 13,
    "OrgPermission": [
      {
        "Id": 1,
        "Name": "Allow the root account to view the consumption information of sub-accounts"
      },
      {
        "Id": 2,
        "Name": "Allow the root account to view the financial information of sub-accounts"
      },
      {
        "Id": 3,
        "Name": "Allow the root account to allocate funds to sub-accounts"
      },
      {
        "Id": 4,
        "Name": "Allow the root account to consolidate the bills of sub-accounts"
      },
      {
        "Id": 5,
        "Name": "Allow the root account to issue invoices on behalf of sub-accounts"
      }
    ],
    "OrgPolicyName": "Finance management",
    "OrgPolicyType": "Financial",
    "OrgType": 1,
    "RootNodeId": 1001,
    "IsAllowQuit": "Allow",
    "PayUin": "",
    "PayName": "",
    "IsAssignManager": false,
    "IsAuthManager": false,
    "RequestId": "e5c09721-236b-4a55-a5d1-0513ac506245"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.



# CreateOrganization

Last updated : 2025-02-26 11:51:20

## 1. API Description

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

This API is used to create an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.

## 3. Output Parameters

Parameter Name	Type	Description
OrgId	Integer	Organization ID.
NickName	String	Creator's nickname.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if

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

## 4. Example

### Example1 Creating an Organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=CreateOrganization
&<Common request parameters>
```

#### Output Example

```
{
  "Response": {
    "OrgId": 123,
    "NickName": "test",
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.AuthInfoEmpty	The user has not completed identity verification.
FailedOperation.AuthNotEnterprise	The user has not completed enterprise identity verification.
FailedOperation.OrganizationExistAlready	The organization already exists.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
UnsupportedOperation	The operation is not supported.
UnsupportedOperation.CreateMemberNotAllowedCreateOrganization	The created member is not allowed to create an organization.

# DeleteOrganization

Last updated : 2025-02-26 11:51:20

## 1. API Description

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

This API is used to delete an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.

## 3. Output Parameters

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

## 4. Example

### Example1 Deleting an Organization

#### Input Example

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

{}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.MemberExistDelegatePayerNotAllowedDelete	The member has a payer and cannot be deleted.
FailedOperation.MemberIsDelegatePayerNotAllowedDelete	The member is a payer and cannot be deleted.
FailedOperation.OrganizationNotEmpty	There are members in this organization.
FailedOperation.OrganizationPolicyIsNotDisabled	Group policy is not disabled.
FailedOperation.QuitShareUnit	Failed to exit the shared unit.
FailedOperation.QuiteShareUnit	Failed to exit the shared unit.
FailedOperation.ShareUnitNotEmpty	Shared unit is not empty.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# QuitOrganization

Last updated : 2025-02-26 11:51:19

## 1. API Description

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

This API is used to exit an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: QuitOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
OrgId	Yes	Integer	Organization 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 Exiting an Organization

#### Input Example

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

{
  "OrgId": 1234
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DisableQuitSelfCreatedOrganization	You cannot quit an organization created by yourself.
FailedOperation.MemberExistDelegatePayerNotAllowedDelete	The member has a payer and cannot be deleted.
FailedOperation.MemberIsDelegatePayerNotAllowedDelete	The member is a payer and cannot be deleted.
FailedOperation.MemberShareResource	The member is sharing resources and cannot quit the organization.
FailedOperation.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
FailedOperation.OrganizationAuthManageNotAllowedDelete	The member is an entity admin account and cannot quit the organization.
FailedOperation.QuiteShareUnit	Failed to exit the shared unit.
FailedOperation.ShareResourceMemberInUse	The member is using a shared resource.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation.CreateMemberNotAllowedQuit	The created member is not allowed to exit.
UnsupportedOperation.MemberExistOperateProcessNotAllowedDelete	The member is configured with operation audit and cannot be deleted.

UnsupportedOperation.MemberExistServiceNotAllowDelete	The member is a delegated admin of the organization service and cannot quit the organization.
UnsupportedOperation.MemberNoPayment	No credit card is bound to the member.
UnsupportedOperation.MemberNotAllowQuit	The member does not support voluntary exit.

# Department and Member Management APIs

## AddOrganizationNode

Last updated : 2025-02-26 11:51:50

### 1. API Description

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

This API is used to add an organization 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	<a href="#">Common Params</a> . The value used for this API: AddOrganizationNode.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
ParentNodeid	Yes	Integer	Parent node ID, which can be obtained through <a href="#">DescribeOrganizationNodes</a> .
Name	Yes	String	Node name, which can contain up to 40 letters, digits, and symbols +@& . _ [ ] - .
Remark	No	String	Remarks.
Tags.N	No	Array of	Department tag list, with a maximum of 10.

		Tag	
--	--	-----	--

### 3. Output Parameters

Parameter Name	Type	Description
NodeId	Integer	Node 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 Adding an Organization Node

##### Input Example

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

{
  "Name": "node_name",
  "ParentNodeId": 123
}
```

##### Output Example

```
{
  "Response": {
    "NodeId": 1001,
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OrganizationNodeNameUsed	The node name is already in use.
FailedOperation.TagResourcesError	Tagging error.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
InvalidParameter.OrganizationNodeNotExist	The organization node does not exist.
InvalidParameter.TagError	Tag value error.
LimitExceeded.NodeDepthExceedLimit	The department has too many levels.
LimitExceeded.NodeExceedLimit	The number of departments exceeds the upper limit.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.

---

ResourceNotFound.OrganizationNodeNotExist	The organization node does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# UpdateOrganizationNode

Last updated : 2025-02-26 11:51:47

## 1. API Description

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

This API is used to update an organization 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	<a href="#">Common Params</a> . The value used for this API: UpdateOrganizationNode.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
NodeId	Yes	Integer	Node ID, which can be obtained through <a href="#">DescribeOrganizationNodes</a> .
Name	No	String	Node name, which can contain up to 40 letters, digits, and symbols +@&._[]- .
Remark	No	String	Remarks.

## 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 Updating the Organization Node

#### Input Example

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

{
  "NodeId": 1001,
  "Name": "name",
  "Remark": "remark"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)



- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OrganizationNodeNameUsed	The node name is already in use.
FailedOperation.OrganizationNodeNotExist	The organization node does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DeleteOrganizationNodes

Last updated : 2025-02-26 11:51:50

## 1. API Description

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

This API is used to batch delete organization nodes.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganizationNodes.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
NodeId.N	Yes	Array of Integer	Node ID list, which can be obtained through <a href="#">DescribeOrganizationNodes</a> .

## 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 Batch Deleting Organization Nodes

#### Input Example

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

{
  "NodeId": [
    1001
  ]
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.NodeNotEmpty	There are members in this department
FailedOperation.OrganizationNodeDeleteOverLimit	The number of nodes to be deleted exceeds the upper limit.
FailedOperation.OrganizationNodeNotEmpty	There are nodes in the organization.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DescribeOrganizationNodes

Last updated : 2025-02-26 11:51:49

## 1. API Description

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

This API is used to get the list of organization nodes.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeOrganizationNodes.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Limit	Yes	Integer	Maximum number of returned results. Maximum value: 50 .
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Tags.N	No	Array of <a href="#">Tag</a>	Department tag search list, with a maximum of 10.

## 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number. Note: This field may return null, indicating that no valid values can be obtained.
Items	Array of <a href="#">OrgNode</a>	List details. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtaining the Node List

#### Input Example

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

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

#### Output Example

```
{
  "Response": {
    "Items": [
      {
        "CreateTime": "2021-04-16 11:49:39",
        "Name": "Root",
        "NodeId": 26,
        "ParentNodeId": 0,
        "Remark": "",
        "UpdateTime": "2021-04-16 11:49:39"
      },
    ],
  }
}
```

```
{
  "CreateTime": "2021-04-16 14:59:57",
  "Name": "test",
  "NodeId": 27,
  "ParentNodeId": 26,
  "Remark": "test",
  "UpdateTime": "2021-04-16 14:59:57"
},
{
  "CreateTime": "2021-04-16 15:55:53",
  "Name": "test1",
  "NodeId": 29,
  "ParentNodeId": 27,
  "Remark": "1",
  "UpdateTime": "2021-04-16 15:55:53"
}
],
"RequestId": "becff4cb-fe62-4288-ac6c-4fba115b94b3",
"Total": 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
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.



# InviteOrganizationMember

Last updated : 2024-12-19 23:33:37

## 1. API Description

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

This API is used to invite a member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: InviteOrganizationMember.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	UIN of an invited account.
Name	Yes	String	Member name, which contains up to 25 characters, including English letters, digits, and symbols <code>+@&amp;._[]-:, .</code>
PolicyType	Yes	String	Relationship policy. Valid value: <code>Financial</code> .
PermissionIds.N	Yes	Array of Integer	Member Finance Authorization. Valid values: 1: View Bills. 2: View Balance. 4: Consolidate Bills. 5: Invoice.

			6: Inherit Offer. 7: Pay On Behalf. 8: Cost Explorer. 9: Budget Management. 1 and 2 are required.
NodeId	Yes	Integer	Node ID of the member's department, which can be obtained through <a href="#">DescribeOrganizationNodes</a> .
Remark	No	String	Remarks.
IsAllowQuit	No	String	Whether to allow a member to exit. Valid values: Allow, Denied.
PayUin	No	String	Payer UIN, which is required when pay-on-behalf mode is used.
RelationAuthName	No	String	Name of a mutual trust real-name entity.
AuthFile.N	No	Array of <a href="#">AuthRelationFile</a>	List of proof files of a mutual trust entity.
Tags.N	No	Array of <a href="#">Tag</a>	Member tag list, with a maximum of 10.

### 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 Inviting a Member

This example shows you how to invite a member.

#### Input Example

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

```
{
  "Remark": "",
  "MemberUin": 1111111111111,
  "Name": "member_name",
  "NodeId": 1001,
  "PermissionIds": [
    1,
    2
  ],
  "PolicyType": "Financial",
  "PayUin": ""
}
```

### Output Example

```
{
  "Response": {
    "RequestId": "9be34d82-b614-4010-8cd8-d907b4d303f2"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.ApplyExist	The application already exists.
FailedOperation.AuthInfoEmpty	The user has not completed identity verification.
FailedOperation.AuthInfoNotSame	Enterprise real name mismatch.
FailedOperation.AuthNotEnterprise	The user has not completed enterprise identity verification.
FailedOperation.CreateBillingPermissionErr	Failed to create the billing permission
FailedOperation.ExistOtherOrganizationMemberShared	There are shared resources with other organization members or from other organization members.
FailedOperation.GetAccountRegion	Errors occurred when account's regional attributes are obtained.
FailedOperation.ImportFileIllegal	The uploaded file is invalid.
FailedOperation.InvitationExist	The invitation already exists.
FailedOperation.MemberExistInOtherOrganization	The member already belongs to another organization.
FailedOperation.MemberNameUsed	The name is already in use.
FailedOperation.NotSameRegion	You can only invite accounts within the same site.
FailedOperation.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
FailedOperation.OrganizationAuthRelationExist	Real-name authentication relationship already exists.
FailedOperation.OrganizationMemberExist	Member already exists.
FailedOperation.OrganizationMemberNameUsed	The member name already exists.

FailedOperation.OrganizationNodeNotExist	The organization node does not exist.
FailedOperation.OrganizationPermissionIllegal	The organization permission is invalid.
FailedOperation.OrganizationPolicyIllegal	The organization policy is invalid.
FailedOperation.PayUinIllegal	The payer is invalid.
FailedOperation.ReSentInvitation	The invitation has already been sent before.
FailedOperation.TagResourcesError	Tagging error.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
InvalidParameter.TagError	Tag value error.
LimitExceeded.InvitationOverLimit	Invitation limit exceeded.
LimitExceeded.OrganizationMemberOverLimit	The number of members exceeds the upper limit.
ResourceNotFound.OrganizationNodeNotExist	The organization node does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation	The operation is not supported.
UnsupportedOperation.AbnormalFinancialStatusOfAdmin	The payer has a financial status exception and does not support pay-on-behalf.
UnsupportedOperation.AbnormalFinancialStatusOfMember	Member's financial status is abnormal. Pay-on-behalf mode is not supported.
UnsupportedOperation.AddDelegatePayerNotAllowed	No paying relationships can be added.
UnsupportedOperation.AddDiscountInheritNotAllowed	No offer inheritance relationships can be added.
UnsupportedOperation.AgentNotSame	The resellers of the administrator and the member do not match.
UnsupportedOperation.ExistedAgent	Payment-on-behalf is not supported for this member or payer as it is a reseller.
UnsupportedOperation.ExistedClient	Payment-on-behalf is not supported for this member or payer as it is a reseller's

	account.
UnsupportedOperation.InconsistentUserTypes	The user type mismatches.
UnsupportedOperation.ManagementSystemError	An error occurred while calling the operations management system.
UnsupportedOperation.MemberAccountArrears	The member account has an overdue payment.
UnsupportedOperation.MemberDiscountInheritExisted	The member has an inherited offer.
UnsupportedOperation.MemberExistAccountLevelDiscountInherit	The member has an account-level offer.
UnsupportedOperation.MemberHasVoucher	The member has vouchers. Pay-on-behalf mode is not supported.
UnsupportedOperation.MemberIsAgent	The account is an agent or an agent customer.
UnsupportedOperation.MemberIsNotClient	The member is not a reseller customer.
UnsupportedOperation.OrderInProgressExisted	There is an ongoing order.
UnsupportedOperation.OwnerDiscountInheritExisted	The admin has an inherited offer.
UnsupportedOperation.PayerArrearsAndNoCreditAccount	The payer has an overdue payment and has no credit account.
UnsupportedOperation.PayerExistAccountLevelDiscountInherit	The payer has an account-level offer.
UnsupportedOperation.SecondaryDistributorSubClientExisted	Pay-on-behalf is not supported for second-level reseller customers exist.

# CreateOrganizationMember

Last updated : 2024-12-19 23:33:38

## 1. API Description

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

This API is used to create an organization member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrganizationMember.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Name	Yes	String	Member name, which can contain up to 25 letters, digits, and symbols <code>+@&amp;._[]-:, .</code>
PolicyType	Yes	String	Relationship policy. Valid value: <code>Financial</code> .
PermissionIds.N	Yes	Array of Integer	Member Finance Authorization. Valid values: 1: View Bills. 2: View Balance. 4: Consolidate Bills. 5: Invoice. 6: Inherit Offer. 7: Pay On Behalf. 8: Cost Explorer. 9: Budget Management. 1, 2 and 7 are required.
NodeId	Yes	Integer	Node ID of the member's department, which can be obtained

			through <a href="#">DescribeOrganizationNodes</a> .
AccountName	Yes	String	Account name, which can contain up to 25 letters, digits, and symbols <code>+@&amp;._[]-:,.</code>
Remark	No	String	Remarks.
RecordId	No	Integer	Member creation record ID, which is required during retry upon creation exception.
PayUin	No	String	Payer UIN, which is required during paying for a member.
IdentityRoleId.N	No	Array of Integer	List of member access identity IDs, which can be obtained through the <code>ListOrganizationIdentity</code> API. <code>1</code> indicates supported, which is the default value.
AuthRelationId	No	Integer	Verified entity relationship ID, which is required during creating members for different entities.
Tags.N	No	Array of <a href="#">Tag</a>	Member tag list, with a maximum of 10.

### 3. Output Parameters

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

### 4. Example

#### Example1 Creating an Organization Member

##### Input Example

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



```
X-TC-Action: CreateOrganizationMember
```

```
<Common request parameters>
```

```
{
  "Remark": "test",
  "Name": "name",
  "NodeId": 1001,
  "AccountName": "test",
  "PermissionIds": [
    1,
    2
  ],
  "PolicyType": "Finical",
  "PayUin": "",
  "IdentityRoleID": [
    1
  ]
}
```

## Output Example

```
{
  "Response": {
    "Uin": 100001919,
    "RequestId": "1a556fac-cd38-4732-86ef-6283d6abddd7"
  }
}
```

# 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.AuthInfoEmpty	The user has not completed identity verification.
FailedOperation.AuthNotEnterprise	The user has not completed enterprise identity verification.
FailedOperation.CreateAccount	An exception occurred while creating the member.
FailedOperation.CreateBillingPermissionErr	Failed to create the billing permission
FailedOperation.CreateMemberAuthOverLimit	The number of times of account identity verification exceeds the upper limit.
FailedOperation.CreateRecordAlreadySuccess	Created successfully.
FailedOperation.CreateRecordNotExist	The creation record does not exist.
FailedOperation.CreateRole	An exception occurred while creating the role.
FailedOperation.GetAuthInfo	An error occurred while querying the identity information.
FailedOperation.MemberNameUsed	The name is already in use.
FailedOperation.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
FailedOperation.OrganizationMemberNameUsed	The member name already exists.
FailedOperation.OrganizationNodeNotExist	The organization node does not exist.
FailedOperation.OrganizationPermissionIllegal	The organization permission is invalid.
FailedOperation.OrganizationPolicyIllegal	The organization policy is invalid.

FailedOperation.PartnerManagementErr	Distribution system calling error.
FailedOperation.PayUinIllegal	The payer is invalid.
FailedOperation.TagResourcesError	Tagging error.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
InvalidParameter.OrganizationMemberNotExist	The organization member does not exist.
InvalidParameter.TagError	Tag value error.
LimitExceeded.CreateMemberOverLimit	The number of members to be created exceeds the upper limit.
LimitExceeded.OrganizationMemberOverLimit	The number of members exceeds the upper limit.
ResourceNotFound.OrganizationAuthRelationNotExist	The authentication subject does not exist.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNodeNotExist	The organization node does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation.AbnormalFinancialStatusOfAdmin	The payer has a financial status exception and does not support pay-on-behalf.
UnsupportedOperation.AddDelegatePayerNotAllowed	No paying relationships can be added.
UnsupportedOperation.AddDiscountInheritNotAllowed	No offer inheritance relationships can be added.
UnsupportedOperation.ExistedAgent	Payment-on-behalf is not supported for this member or payer as it is a reseller.
UnsupportedOperation.ExistedClient	Payment-on-behalf is not supported for this member or payer as it is a reseller's account.
UnsupportedOperation.InconsistentUserTypes	The user type mismatches.
UnsupportedOperation.ManagementSystemError	An error occurred while calling the operations management system.

UnsupportedOperation.MemberAccountArrears	The member account has an overdue payment.
UnsupportedOperation.MemberDiscountInheritExisted	The member has an inherited offer.
UnsupportedOperation.MemberExistAccountLevelDiscountInherit	The member has an account-level offer.
UnsupportedOperation.MemberIsAgent	The account is an agent or an agent customer.
UnsupportedOperation.OrderInProgressExisted	There is an ongoing order.
UnsupportedOperation.OwnerDiscountInheritExisted	The admin has an inherited offer.
UnsupportedOperation.PayerArrearsAndNoCreditAccount	The payer has an overdue payment and has no credit account.
UnsupportedOperation.PayerExistAccountLevelDiscountInherit	The payer has an account-level offer.
UnsupportedOperation.SecondaryDistributorSubClientExisted	Pay-on-behalf is not supported for second-level reseller customers exist.

# UpdateOrganizationMember

Last updated : 2025-02-26 11:51:48

## 1. API Description

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

This API is used to update organization member 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	<a href="#">Common Params</a> . The value used for this API: UpdateOrganizationMember.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member UIN.
Name	No	String	Member name, which contains up to 25 characters, including English letters, digits, and symbols <code>+@&amp;._[]-:,.</code>
Remark	No	String	Remarks, which contain up to 40 characters.
PolicyType	No	String	Relationship policy type. When PolicyType is not empty, PermissionIds cannot be empty. Value: Financial.
PermissionIds.N	No	Array	List of member financial permission IDs. When PermissionIds is

		of Integer	not empty, PolicyType cannot be empty. Valid values: 1: View bills. 2: View balance. 3: Allocate funds. 4: Consolidate bills. 5: Issue invoices. 6: Inherit discounts. 7: Pay on behalf. 8: Analyze costs. 1 and 2 are required by default.
IsAllowQuit	No	String	Whether to allow members to exit an organization. Valid values: Allow: permitted, Denied: not permitted.
PayUin	No	String	Payer UIN, which is required when pay-on-behalf mode is used in member financial permission. The value is the principal administrator UIN of the corresponding member.

### 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 Updating Organization Member Information

This example shows you how to update organization member information.

#### Input Example

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

{
  "Remark": "remark",
  "MemberUin": 11111111111111,
  "Name": "name"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "3a1f4733-a2ff-406d-9ff6-44c1d2d3f33a"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.AuthInfoEmpty	The user has not completed identity verification.
FailedOperation.AuthInfoNotSame	Enterprise real name mismatch.
FailedOperation.AuthNotEnterprise	The user has not completed enterprise identity verification.
FailedOperation.ChangePermissionRecordExist	Member permission change record exists.

FailedOperation.CreateBillingPermissionErr	Failed to create the billing permission
FailedOperation.MemberNameUsed	The name is already in use.
FailedOperation.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
FailedOperation.OrganizationMemberNameUsed	The member name already exists.
FailedOperation.OrganizationPermissionIllegal	The organization permission is invalid.
FailedOperation.OrganizationPolicyIllegal	The organization policy is invalid.
FailedOperation.PayUinIllegal	The payer is invalid.
InvalidParameter.AllowQuitIllegal	The member in pay-on-behalf mode is not allowed to exit the organization voluntarily.
ResourceNotFound.MemberNotExist	The member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation	The operation is not supported.
UnsupportedOperation.AddDelegatePayerNotAllowed	No paying relationships can be added.
UnsupportedOperation.AddDiscountInheritNotAllowed	No offer inheritance relationships can be added.
UnsupportedOperation.DeleteDelegatePayerNotAllowed	Deleting the payment relationship is not allowed.
UnsupportedOperation.ExistedAgent	Payment-on-behalf is not supported for this member or payer as it is a reseller.
UnsupportedOperation.ExistedClient	Payment-on-behalf is not supported for this member or payer as it is a reseller's account.
UnsupportedOperation.InconsistentUserTypes	The user type mismatches.
UnsupportedOperation.ManagementSystemError	An error occurred while calling the operations management system.
UnsupportedOperation.MemberAccountArrears	The member account has an overdue payment.
UnsupportedOperation.MemberDiscountInheritExisted	The member has an inherited offer.



UnsupportedOperation.MemberExistAccountLevelDiscountInherit	The member has an account-level offer.
UnsupportedOperation.MemberIsAgent	The account is an agent or an agent customer.
UnsupportedOperation.MemberNotAllowQuit	The member does not support voluntary exit.
UnsupportedOperation.OrderInProgressExisted	There is an ongoing order.
UnsupportedOperation.OwnerDiscountInheritExisted	The admin has an inherited offer.
UnsupportedOperation.PayerArrearsAndNoCreditAccount	The payer has an overdue payment and has no credit account.
UnsupportedOperation.PayerExistAccountLevelDiscountInherit	The payer has an account-level offer.

# DeleteOrganizationMembers

Last updated : 2025-02-26 11:51:50

## 1. API Description

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

This API is used to remove a member account from the organization, rather than delete the 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	<a href="#">Common Params</a> . The value used for this API: DeleteOrganizationMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin.N	Yes	Array of Integer	Uin list of the deleted members.

## 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 Batch Deleting Organization Members

#### Input Example

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

{
  "MemberUin": [
    11111111111111
  ]
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DisableQuitSelfCreatedOrganization	You cannot quit an organization created by yourself.
FailedOperation.MemberExistDelegatePayerNotAllowedDelete	The member has a payer and cannot be deleted.
FailedOperation.MemberIsDelegatePayerNotAllowedDelete	The member is a payer and cannot be deleted.
FailedOperation.MemberShareResource	The member is sharing resources and cannot quit the organization.
FailedOperation.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
FailedOperation.OrganizationAuthManageNotAllowedDelete	The member is an entity admin account and cannot quit the organization.
FailedOperation.QuitShareUnitError	Failed to leave the shared unit.
FailedOperation.ShareResourceMemberInUse	The member is using a shared resource.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation.CreateMemberNotAllowedDelete	The created member cannot be

	removed from the organization.
UnsupportedOperation.MemberExistOperateProcessNotAllowDelete	The member is configured with operation audit and cannot be deleted.
UnsupportedOperation.MemberExistServiceNotAllowDelete	The member is a delegated admin of the organization service and cannot quit the organization.
UnsupportedOperation.MemberNoPayment	No credit card is bound to the member.

# DescribeOrganizationMembers

Last updated : 2025-02-26 11:51:49

## 1. API Description

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

This API is used to get the list of organization members.

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeOrganizationMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	Yes	Integer	Offset, which is an integer multiple of the value of <code>Limit</code> . Default value: <code>0</code> .
Limit	Yes	Integer	Limit, which defaults to <code>10</code> . Value range: 1-50.
Lang	No	String	Valid values: <code>en</code> (Tencent Cloud International); <code>zh</code> (Tencent Cloud).
SearchKey	No	String	Search by member name or ID.
AuthName	No	String	Entity name.
Product	No	String	Abbreviation of the trusted service, which is required during querying

			the trusted service admin.
Tags.N	No	Array of <a href="#">Tag</a>	Member tag search list, with a maximum of 10.

### 3. Output Parameters

Parameter Name	Type	Description
Items	Array of <a href="#">OrgMember</a>	Member list.
Total	Integer	Total number.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining the Member List

This example shows you how to obtain the member list.

#### Input Example

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

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

#### Output Example

```
{
  "Response": {
    "Items": [
      {
        "CreateTime": "2021-04-17 12:19:07",
        "MemberType": "Invite",
        "MemberUin": 111111111111,
        "Name": "test2",
        "NodeId": 27,
        "NodeName": "node1",
        "IsAllowQuit": "Denied",
        "OrgPermission": [
          {
            "Id": 1,
            "Name": "Allow the root account to view the consumption information of sub-accounts"
          },
          {
            "Id": 2,
            "Name": "Allow the root account to view the financial information of sub-accounts"
          }
        ],
        "OrgPolicyName": "Financial management",
        "OrgPolicyType": "Financial",
        "Remark": "123",
        "PayUin": "",
        "PayName": "",
        "OrgIdentity": [],
        "BindStatus": "Unbound",
        "PermissionStatus": "Confirmed",
        "UpdateTime": "2021-04-17 12:19:07"
      },
      {
        "CreateTime": "2021-04-16 11:49:39",
        "MemberType": "Create",
        "MemberUin": 222222222222,
        "Name": "name2",
        "NodeId": 26,
        "NodeName": "node2",
        "IsAllowQuit": "Denied",
        "OrgPermission": [
          {
            "Id": 1,
            "Name": "Allow the root account to view the consumption information of sub-accounts"
          }
        ]
      }
    ]
  }
}
```



```
},
{
  "Id": 2,
  "Name": "Allow the root account to view the financial information of sub-accounts",
},
{
  "Id": 3,
  "Name": "Allow the root account to allocate funds to sub-accounts",
},
{
  "Id": 4,
  "Name": "Allow the root account to consolidate the bills of sub-accounts",
},
{
  "Id": 5,
  "Name": "Allow the root account to issue invoices on behalf of sub-accounts",
}
],
"OrgPolicyName": "Financial management",
"OrgPolicyType": "Financial",
"Remark": "",
"PayUin": "",
"PayName": "",
"OrgIdentity": [],
"BindStatus": "Unbound",
"PermissionStatus": "Confirmed",
"UpdateTime": "2021-04-16 11:49:39",
},
"RequestId": "a0fe0702-5757-4aa4-8872-74b70a4c1b7a",
"Total": 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.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNodeNotExist	The organization node does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.OrganizationServiceNotExist	The organization service does not exist.

# MoveOrganizationNodeMembers

Last updated : 2025-02-26 11:51:48

## 1. API Description

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

This API is used to move a member to the specified organization 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	<a href="#">Common Params</a> . The value used for this API: MoveOrganizationNodeMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
NodeId	Yes	Integer	Organization node ID, which can be obtained through <a href="#">DescribeOrganizationNodes</a> .
MemberUin.N	Yes	Array of Integer	Uin list of the members.

## 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 Moving a Member to the Specified Organization Node

#### Input Example

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

{
  "MemberUin": [
    11111111111111
  ],
  "NodeId": 1001
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)

- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OrganizationNodeNotExist	The organization node does not exist.
FailedOperation.SomeUinsNotInOrganization	The UIN does not belong to the organization.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNodeNotExist	The organization node does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# AddOrganizationMemberEmail

Last updated : 2025-03-06 17:08:36

## 1. API Description

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

This API is used to add an organization member's mailbox.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AddOrganizationMemberEmail.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member uin.
Email	Yes	String	Email address.
CountryCode	Yes	String	International area code.
Phone	Yes	String	Mobile number.

## 3. Output Parameters

Parameter Name	Type	Description
BindId	Integer	Bound 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 Adding an Organization Member Mailbox

#### Input Example

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

{
  "MemberUin": 111111111111,
  "Email": "12***@qq.com",
  "CountryCode": "86",
  "Phone": "18***11"
}
```

#### Output Example

```
{
  "Response": {
    "BindId": 1,
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.CheckAccountPhoneBindLimit	Failed to check the mobile phone binding capacity limit.
FailedOperation.CheckMailAccount	Failed to check the mailbox binding status.
FailedOperation.EmailAlreadyUsed	The email has been used.
FailedOperation.MemberEmailExist	The member has a mailbox.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.EmailBindOverLimit	The mailbox configuration exceeds the daily capacity limit.
LimitExceeded.PhoneNumBound	The number of mobile phones exceeds the binding upper limit.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation	The operation is not supported.



# UpdateOrganizationMemberEmailBind

Last updated : 2025-03-06 17:08:32

## 1. API Description

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

This API is used to modify the mailbox of a bound member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateOrganizationMemberEmailBind.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member uin.
BindId	Yes	Integer	Bound ID, which can be obtained through describeorganizationmemberemailbind ( <a href="https://intl.cloud.tencent.com/document/product/850/93332?from_cn_redirect=1">https://intl.cloud.tencent.com/document/product/850/93332?from_cn_redirect=1</a> ).
Email	Yes	String	Email address.
CountryCode	Yes	String	International area code.

Phone	Yes	String	Mobile number.
-------	-----	--------	----------------

### 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 Bound Member's Mailbox

##### Input Example

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

{
  "MemberUin": 111111111111,
  "BindId": 12,
  "Email": "12***@qq.com",
  "CountryCode": "86",
  "Phone": "18***32"
}
```

##### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.CheckMailAccount	Failed to check the mailbox binding status.
FailedOperation.EmailAlreadyUsed	The email has been used.
FailedOperation.EmailBindRecordInvalid	Mailbox binding has become invalid.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.UpdateEmailBindOverLimit	The number of modifications to member binding information exceeds the limit.
ResourceNotFound.EmailBindRecordNotExist	The mailbox binding record does not exist.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

UnsupportedOperation

The operation is not supported.

# DescribeOrganizationMemberEmailBind

Last updated : 2025-03-06 17:08:35

## 1. API Description

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

This API is used to query detailed information about member mailbox binding.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeOrganizationMemberEmailBind.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member uin.

## 3. Output Parameters

Parameter Name	Type	Description
BindId	Integer	Bound ID.

ApplyTime	String	Application time.
Email	String	Email address.
Phone	String	Verification mobile number.
BindStatus	String	Binding status: unbound indicates not bound; valid indicates to be activated; success indicates bound successfully; failed indicates binding failed.
BindTime	String	Binding time.
Description	String	Failure description.
PhoneBind	Integer	Verification mobile number binding status. 0 indicates unbound and 1 indicates bound.
CountryCode	String	International area 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 Querying Detailed Information About Member Mailbox Binding

#### Input Example

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

{
  "MemberUin": 123
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957",
    "BindId": 1,
    "ApplyTime": "2022-01-13 12:09:08",
```

```
"Email": "123@qq.com",
"Phone": "18***32",
"BindStatus": "Success",
"BindTime": "2022-01-13 18:09:08",
"Description": "success",
"PhoneBind": 0,
"CountryCode": "86"
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.AccountAlreadyRegister	The account has been registered.
FailedOperation.BindEmailLinkExpired	The mailbox binding link has expired.
FailedOperation.BindEmailLinkInvalid	The mailbox binding link is invalid.

FailedOperation.EmailAlreadyUsed	The email has been used.
FailedOperation.EmailBindRecordInvalid	Mailbox binding has become invalid.
FailedOperation.MemberBindEmailError	Mailbox binding failed.
FailedOperation.MemberBindPhoneError	Verification mobile numbe binding failed.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
InvalidParameter.CodeError	Incorrect mobile phone verification code.
InvalidParameter.CodeExpired	The mobile phone verification code has expired.
InvalidParameter.InvalidEmail	The mailbox is invalid.
InvalidParameter.PasswordIllegal	The password is invalid.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.UserNotExist	The user does not exist.



# SendOrgMemberAccountBindEmail

Last updated : 2025-03-06 17:08:34

## 1. API Description

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

This API is used to resend an email for activating the member's bound mailbox.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: SendOrgMemberAccountBindEmail.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member uin.
BindId	Yes	Integer	Bound ID, which can be obtained through describeorganizationmemberemailbind ( <a href="https://intl.cloud.tencent.com/document/product/850/93332?from_cn_redirect=1">https://intl.cloud.tencent.com/document/product/850/93332?from_cn_redirect=1</a> ).

## 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 Resending an Email for Activating the Member's Bound Mailbox

#### Input Example

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

{
  "MemberUin": 111111111111,
  "BindId": 12
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.EmailBindRecordInvalid	Mailbox binding has become invalid.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.SendEmailLimit	The number of times to resend the activation email exceeds the limit.
LimitExceeded.SendEmailWithinOneHourLimit	The number of times to resend the activation email within one hour exceeds the limit.
ResourceNotFound.EmailBindRecordNotExist	The mailbox binding record does not exist.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# ListOrganizationIdentity

## ListOrganizationIdentity

Last updated : 2025-02-26 11:51:08

### 1. API Description

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

This API is used to get the list of access identities of an organization member.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListOrganizationIdentity.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	Yes	Integer	Offset. It must be an integer multiple of the value of <code>Limit</code> . Default value: <code>0</code> .
Limit	Yes	Integer	The limit for the number of query results. Value range: 1-50. Default value: <code>10</code> .
SearchKey	No	String	Search by name.
IdentityId	No	Integer	Identity ID, which can be searched by identity ID.

IdentityType	No	Integer	Identity type. Valid values: <code>1</code> (Preset), <code>2</code> (Custom).
--------------	----	---------	--

### 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number. Note: This field may return null, indicating that no valid values can be obtained.
Items	Array of <a href="#">OrgIdentity</a>	Item details. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining the List of Organization Member Access Identities

This example shows you how to obtain the list of organization member access identities.

##### Input Example

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

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

##### Output Example

```
{
  "Response": {
    "Items": [
```

```
{
  "IdentityId": 1,
  "IdentityAliasName": "test",
  "Description": "",
  "IdentityPolicy": [
    {
      "PolicyId": 1,
      "PolicyName": "AdministratorAccess"
    }
  ],
  "IdentityType": 1,
  "UpdateTime": "2021-07-15 21:08:38"
},
{
  "RequestId": "1d744bef-fa56-40e9-8e3b-5a88b122ad5e",
  "Total": 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
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DescribeOrganizationMemberAuthIdentities

Last updated : 2025-02-26 11:51:09

## 1. API Description

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

This API is used to obtain the list of organization member access authorization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeOrganizationMemberAuthIdentities.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	Yes	Integer	Offset, which is an integer multiple of the value of <code>Limit</code> . Default value: 0.
Limit	Yes	Integer	Limit, which defaults to 10. Value range: 1-50.
MemberUin	No	Integer	Uin of the organization member. At least one of the input parameters MemberUin and IdentityId must be entered.
IdentityId	No	Integer	Identity ID. At least one of the input parameters MemberUin and IdentityId must be provided. It can be obtained through <a href="#">ListOrganizationIdentity</a> .



### 3. Output Parameters

Parameter Name	Type	Description
Items	Array of <a href="#">OrgMemberAuthIdentity</a>	List of authorizable identities Note: This field may return null, indicating that no valid values can be obtained.
Total	Integer	Total number. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining the list of manageable identities of an organization member

This example shows you how to obtain the list of manageable identities of an organization member.

#### Input Example

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

{
  "MemberUin": 111111111111,
  "Limit": 10,
  "Offset": 0
}
```

#### Output Example

```
{
  "Response": {
    "Items": [
      {
        "CreateTime": "2021-07-14 20:17:34",
        "Description": "AdministratorAccess",
        "IdentityId": 1,
        "IdentityRoleAliasName": "Login access",
        "IdentityRoleName": "OrganizationAccessControlRole",
        "IdentityType": 1,
        "UpdateTime": "2021-07-14 20:17:34"
      }
    ],
    "RequestId": "55fa3e27-1166-45e1-bdac-6198c3c38534",
    "Total": 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
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DescribeOrganizationMemberPolicies

Last updated : 2025-02-26 11:51:09

## 1. API Description

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

This API is used to get the list of authorization policies of an organization member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeOrganizationMemberPolicies.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Limit	Yes	Integer	Limit. Value range: 1-50. Default value: 10.
MemberUin	Yes	Integer	Member UIN.
SearchKey	No	String	Search keyword, which can be the policy name or description.

### 3. Output Parameters

Parameter Name	Type	Description
Items	Array of <a href="#">OrgMemberPolicy</a>	List. Note: This field may return null, indicating that no valid values can be obtained.
Total	Integer	Total number. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Getting the List of Organization Member Authorization Policies

##### Input Example

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

{
  "MemberUin": 111111111111,
  "Limit": 10,
  "Offset": 0
}
```

##### Output Example

```
{
  "Response": {
    "Items": [
      {
        "CreateTime": "2021-07-14 20:22:30",
```

```
"Description": "test",
"IdentityId": 1,
"IdentityRoleAliasName": "Login access",
"IdentityRoleName": "OrganizationAccessControlRole",
"PolicyId": 27887,
"PolicyName": "test3",
"UpdateTime": "2021-07-14 20:22:30"
},
{
"CreateTime": "2021-07-14 20:21:21",
"Description": "test",
"IdentityId": 1,
"IdentityRoleAliasName": "Login access",
"IdentityRoleName": "OrganizationAccessControlRole",
"PolicyId": 98081,
"PolicyName": "test",
"UpdateTime": "2021-07-14 20:21:21"
}
],
"RequestId": "a1525f09-8a00-4b76-9db5-d47aea591dff",
"Total": 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
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# BindOrganizationMemberAuthAccount

Last updated : 2025-02-26 11:51:13

## 1. API Description

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

This API is used to bind an organization member to a sub-account of the organization admin.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: BindOrganizationMemberAuthAccount.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member UIN.
PolicyId	Yes	Integer	Policy ID, which can be obtained by calling <a href="#">DescribeOrganizationMemberPolicies</a> .
OrgSubAccountUins.N	Yes	Array of Integer	List of sub-account UINs of the organization admin, which can contain up to five UINs.



### 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 Binding an Organization Member to a Sub-Account of the Organization Admin

##### Input Example

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

{
  "MemberUin": 111111111111,
  "PolicyId": 123,
  "OrgSubAccountUins": [
    222222222222
  ]
}
```

##### Output Example

```
{
  "Response": {
    "RequestId": "4c2f4b68-01b2-4841-a927-6ca8fe40649b"
  }
}
```

### 5. Developer Resources

#### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OperatePolicy	Failed to manipulate the policy.
FailedOperation.SubAccountIdentityExist	The sub-account has an identity.
FailedOperation.SubAccountNotExist	The sub-account does not exist.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.MemberNotExist	The member does not exist.
ResourceNotFound.MemberPolicyNotExist	The organization member policy does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation	The operation is not supported.

# CancelOrganizationMemberAuthAccount

Last updated : 2025-02-26 11:51:13

## 1. API Description

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

This API is used to unbind an organization member from a sub-account of the organization admin.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CancelOrganizationMemberAuthAccount.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member UIN.
PolicyId	Yes	Integer	Policy ID, which can be obtained through <a href="#">DescribeOrganizationMemberPolicies</a> .
OrgSubAccountUin	Yes	Integer	Organization sub-account UIN.

## 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 Unbinding an Organization Member from a Sub-Account of the Organization Admin

#### Input Example

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

{
  "MemberUin": 111111111111,
  "PolicyId": 123,
  "OrgSubAccountUin": 222222222222
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "caecf1a4-72b7-48d6-8f5f-90d1c428d3f3"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OperatePolicy	Failed to manipulate the policy.
FailedOperation.SubAccountNotExist	The sub-account does not exist.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.MemberNotExist	The member does not exist.
ResourceNotFound.MemberPolicyNotExist	The organization member policy does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DescribeOrganizationMemberAuthAccounts

Last updated : 2025-02-26 11:51:09

## 1. API Description

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

This API is used to get the list of sub-accounts bound to an organization member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeOrganizationMemberAuthAccounts.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Limit	Yes	Integer	Limit. Value range: 1-50. Default value: 10.
MemberUin	Yes	Integer	Member UIN.
PolicyId	Yes	Integer	Policy ID, which can be obtained through <a href="#">DescribeOrganizationMemberPolicies</a> .

### 3. Output Parameters

Parameter Name	Type	Description
Items	Array of <a href="#">OrgMemberAuthAccount</a>	List Note: This field may return null, indicating that no valid values can be obtained.
Total	Integer	Total number Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Getting the List of Sub-Accounts Bound to an Organization Member

##### Input Example

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

{
  "MemberUin": 111111111111,
  "Limit": 10,
  "PolicyId": 11,
  "Offset": 0
}
```

##### Output Example

```
{
  "Response": {
    "Items": [
      {
```

```
"CreateTime": "2021-07-14 21:00:59",
"IdentityId": 1,
"IdentityRoleAliasName": "Login access",
"IdentityRoleName": "OrganizationAccessControlRole",
"OrgSubAccountUin": 100000546921,
"PolicyId": 98081,
"PolicyName": "test",
"UpdateTime": "2021-07-14 21:00:59",
"OrgSubAccountName": "test"
}
],
"RequestId": "cf182a6b-8caa-4df9-b1d0-09ad41e8c434",
"Total": 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
------------	-------------



---

InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# CreateOrganizationMemberPolicy

Last updated : 2025-02-26 11:51:12

## 1. API Description

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

This API is used to create an organization member access authorization policy.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrganizationMemberPolicy.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member UIN.
PolicyName	Yes	String	Policy name, which can contain up to 128 letters, digits, and symbols + = , . @ _ - .
IdentityId	Yes	Integer	Member access identity ID, which can be obtained through <a href="#">DescribeOrganizationMemberAuthIdentities</a> .
Description	No	String	Description.

### 3. Output Parameters

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

### 4. Example

#### Example1 Creating an Access Authorization Policy for Organization Members

##### Input Example

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

{
  "PolicyName": "policy_name",
  "MemberUin": 111111111111,
  "Description": "description",
  "IdentityId": 11
}
```

##### Output Example

```
{
  "Response": {
    "PolicyId": 98081,
    "RequestId": "a1a10c6e-6723-408a-858b-2cb84e92776c"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.CreatePolicy	Failed to create the policy
FailedOperation.MemberPolicyNameExist	The member authorization policy name is already in use.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.MemberIdentityNotExist	The authorizable member identity does not exist.
ResourceNotFound.MemberNotExist	The member does not exist.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# Unified Member Login APIs

## CreateOrganizationIdentity

Last updated : 2025-02-26 11:51:12

### 1. API Description

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

This API is used to add an organization identity.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrganizationIdentity.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
IdentityAliasName	Yes	String	Identity name.
IdentityPolicy.N	Yes	Array of <a href="#">IdentityPolicy</a>	Identity policy.
Description	No	String	Identity description.

### 3. Output Parameters

Parameter Name	Type	Description
IdentityId	Integer	Identity 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 Adding an Organization Identity

##### Input Example

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

{
  "Description": "",
  "IdentityAliasName": "test",
  "IdentityPolicy": [
    {
      "PolicyId": 1,
      "PolicyName": "AdministratorAccess"
    }
  ]
}
```

##### Output Example

```
{
  "Response": {
    "IdentityId": 123,
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.GetPolicyDetail	Failed to query the policy.
FailedOperation.OrganizationIdentityNameUsed	Organization identity name is in use.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.IdentityExceedLimit	The number of organization identities exceeds limit.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.PolicyNotExist	Policy does not exist.

# UpdateOrganizationIdentity

Last updated : 2025-02-26 11:51:08

## 1. API Description

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

This API is used to update an organization identity.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateOrganizationIdentity.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
IdentityId	Yes	Integer	Identity ID, which can be obtained through <a href="#">ListOrganizationIdentity</a> .
Description	Yes	String	Identity description.
IdentityPolicy.N	Yes	Array of <a href="#">IdentityPolicy</a>	Identity policy.



### 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 Updating an Organization Identity

##### Input Example

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

{
  "Description": "",
  "IdentityId": 1,
  "IdentityPolicy": [
    {
      "PolicyId": 1,
      "PolicyName": "AdministratorAccess"
    }
  ]
}
```

##### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.GetPolicyDetail	Failed to query the policy.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationIdentityNotExist	Organization identity does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.PolicyNotExist	Policy does not exist.

# DeleteOrganizationIdentity

Last updated : 2025-02-26 11:51:11

## 1. API Description

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

This API is used to delete an organization identity.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganizationIdentity.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
IdentityId	Yes	Integer	Identity ID, which can be obtained through <a href="#">ListOrganizationIdentity</a> .

## 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 Deleting an Organization Identity

#### Input Example

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

{
  "IdentityId": 1
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OrganizationIdentityInUsed	Organization identity is in use.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationIdentityNotExist	Organization identity does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# CreateOrganizationMemberAuthIdentity

Last updated : 2025-02-26 11:51:12

## 1. API Description

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

This API is used to add organization member access authorization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrganizationMemberAuthIdentity.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUins.N	Yes	Array of Integer	Member UIN list, including up to 10 items.
IdentityIds.N	Yes	Array of Integer	Identity ID list, including up to 5 items, which can be obtained through <a href="#">ListOrganizationIdentity</a> .

## 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 Adding Organization Member Access Authorization

This example shows you how to add organization member access authorization.

#### Input Example

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

{
  "MemberUins": [
    11111111111111
  ],
  "IdentityIds": [
    13
  ]
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "3840f6f4-3976-4b44-9ecc-cb0578129059"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.CreateRole	An exception occurred while creating the role.
FailedOperation.OrganizationIdentityPolicyError	Organization identity policy is invalid.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationIdentityNotExist	Organization identity does not exist.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation	The operation is not supported.



# DeleteOrganizationMemberAuthIdentity

Last updated : 2025-02-26 11:51:10

## 1. API Description

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

This API is used to delete organization member access authorization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganizationMemberAuthIdentity.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member UIN.
IdentityId	Yes	Integer	Identity ID, which can be obtained through <a href="#">ListOrganizationIdentity</a> .

## 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 Deleting Organization Member Access Authorization

This example shows you how to delete organization member access authorization.

#### Input Example

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

{
  "MemberUin": 111111111111,
  "IdentityId": 11
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "bebe4b80-bca5-45fe-a460-455045879f89"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.MemberIdentityAuthUsed	Member authorization is in use.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.MemberIdentityNotExist	The authorizable member identity does not exist.
ResourceNotFound.OrganizationIdentityNotExist	Organization identity does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# CreateOrganizationMembersPolicy

Last updated : 2025-02-26 11:51:11

## 1. API Description

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

This API is used to create an organization member access policy.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrganizationMembersPolicy.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUins.N	Yes	Array of Integer	Member UIN list, including up to 10 items.
PolicyName	Yes	String	Policy name, which contains 1 to 128 characters, including English letters, digits, and symbols <code>+ = , . @ _ -</code> .
IdentityId	Yes	Integer	Member access identity ID, which can be obtained through <a href="#">ListOrganizationIdentity</a> .
Description	No	String	Policy description, which contains up to 128 characters.

### 3. Output Parameters

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

### 4. Example

#### Example1 Creating an Organization Member Access Policy

This example shows you how to create an organization member access policy.

#### Input Example

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

{
  "MemberUins": [
    11111111111111
  ],
  "PolicyName": "policy_name",
  "IdentityId": 11,
  "Description": "description"
}
```

#### Output Example

```
{
  "Response": {
    "PolicyId": 123,
    "RequestId": "3840f6f4-3976-4b44-9ecc-cb0578129059"
  }
}
```

```
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.CreatePolicy	Failed to create the policy
FailedOperation.MemberPolicyNameExist	The member authorization policy name is already in use.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.MemberIdentityNotExist	The authorizable member identity does not exist.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

UnsupportedOperation

The operation is not supported.

# DeleteOrganizationMembersPolicy

Last updated : 2025-02-26 11:51:10

## 1. API Description

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

This API is used to delete an organization member access policy.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganizationMembersPolicy.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
PolicyId	Yes	Integer	Access policy ID, which can be obtained through <a href="#">DescribeOrganizationMemberPolicies</a> .

## 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 Deleting an Organization Member Access Policy

This example shows you how to delete an organization member access policy.

#### Input Example

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

{
  "PolicyId": 123
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "3840f6f4-3976-4b44-9ecc-cb0578129059"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DeletePolicy	Exception occurred when deleting the authorization policy.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.MemberPolicyNotExist	The organization member policy does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# Organization Service Management APIs

## ListOrganizationService

Last updated : 2025-02-26 11:51:21

### 1. API Description

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

This API is used to obtain the list of organization service settings.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListOrganizationService.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Limit	Yes	Integer	Limit. Value range: 1-50. Default value: 10.
SearchKey	No	String	Keyword for search by name.

### 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total quantity. Note: This field may return null, indicating that no valid values can be obtained.
Items	Array of <a href="#">OrganizationServiceAssign</a>	Organization service list. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining the List of Organization Service Settings

This example shows you how to obtain the list of organization service settings.

#### Input Example

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

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

#### Output Example

```
{
  "Response": {
    "Items": [
      {
```

```
"ServiceId": 1,
"ProductName": "CloudAudit",
"IsAssign": 1,
"CanAssignCount": 5,
"Description": "cloud audit service",
"MemberNum": "0",
"Document": "https://cloud.tencent.com/document/product/XXX",
"ConsoleUrl": "https://consoleintl.cloud.tencent.com",
"IsUsageStatus": 2,
"Product": "cloudaudit",
"ServiceGrant": 2,
"GrantStatus": "Disabled",
"IsSetManagementScope": 2
}
],
"RequestId": "1d744bef-fa56-40e9-8e3b-5a88b122ad5e",
"Total": 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
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# CreateOrgServiceAssign

Last updated : 2025-02-26 11:51:23

## 1. API Description

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

This API is used to add a delegated admin of the organization service.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrgServiceAssign.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUins.N	Yes	Array of Integer	Uin list of the delegated admins, including up to 20 items.
ServiceId	No	Integer	Organization service ID, which can be obtained through <a href="#">ListOrganizationService</a> .
ManagementScope	No	Integer	Management scope of the delegated admin. Valid values: 1 (all members), 2 (partial members). Default value: 1.

ManagementScopeUins.N	No	Array of Integer	Uin list of the managed members. This parameter is valid when ManagementScope is 2.
ManagementScopeNodeIds.N	No	Array of Integer	ID list of the managed departments. This parameter is valid when ManagementScope is 2.

### 3. Output Parameters

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

### 4. Example

#### Example1 Adding a Delegated Admin of the Organization Service

##### Input Example

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

{
  "ServiceId": 1,
  "MemberUins": [
    11111111111111
  ]
}
```

##### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```



```
}  
}
```

## 5. Developer Resources

### SDK

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

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

### Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.CreateOrgServiceAssignOverLimit	The number of delegated admins for the service exceeds the limit.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.OrganizationServiceNotExist	The organization service does not exist.

UnsupportedOperation

The operation is not supported.

# DeleteOrgServiceAssign

Last updated : 2025-02-26 11:51:23

## 1. API Description

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

This API is used to delete a delegated admin of the organization service.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrgServiceAssign.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Uin of the delegated admin.
ServiceId	No	Integer	Organization service ID, which can be obtained through <a href="#">ListOrganizationService</a> .

## 3. Output Parameters

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

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

## 4. Example

### Example1 Deleting a Delegated Admin of the Organization Service

#### Input Example

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

{
  "ServiceId": 1,
  "MemberUin": 111111111111
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DescribeOrgServiceUsageStatusErr	An error occurred in the query of the organization service usage status.
FailedOperation.OrganizationServiceAssignIsUse	Organization service delegation is in use.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.OrganizationServiceAssignNotExist	Organization service delegation does not exist.
ResourceNotFound.OrganizationServiceNotExist	The organization service does not exist.

# ListOrgServiceAssignMember

Last updated : 2025-02-26 11:51:22

## 1. API Description

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

This API is used to obtain the list of delegated admins of the organization service.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListOrgServiceAssignMember.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Limit	Yes	Integer	Limit. Value range: 1-50. Default value: 10.
ServiceId	No	Integer	Organization service ID, which can be obtained through <a href="#">ListOrganizationService</a> .

## 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total quantity. Note: This field may return null, indicating that no valid values can be obtained.
Items	Array of <a href="#">OrganizationServiceAssignMember</a>	List of the delegated admins. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtaining the List of Delegated Admins of the Organization Service

#### Input Example

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

{
  "Limit": 10,
  "Offset": 0,
  "ServiceId": 1
}
```

#### Output Example

```
{
  "Response": {
    "Items": [
      {
        "ServiceId": 1,
        "ProductName": "CloudAudit",
        "MemberUin": 111111111111,

```

```
"MemberName": "mamber_name",
"UsageStatus": 2,
"CreateTime": "2022-03-12 12:19:12",
"ManagementScope": 1,
"ManagementScopeMembers": [],
"ManagementScopeNodes": []
}
],
"RequestId": "1d744bef-fa56-40e9-8e3b-5a88b122ad5e",
"Total": 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.DescribeOrgServiceUsageStatusErr	An error occurred in the query of the organization service usage status.



---

InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# Resource Sharing APIs

## AddShareUnit

Last updated : 2025-02-26 11:52:19

### 1. API Description

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

This API is used to create a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AddShareUnit.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Name	Yes	String	Shared unit name. It only supports combinations of uppercase and lowercase letters, digits, hyphens (-), and underscores (_), with 3 to 128 characters.
Area	Yes	String	Shared unit region. You can obtain supported shared regions through the API <a href="#">DescribeShareAreas</a> .
Description	No	String	Shared unit description. Maximum: 128 characters.
ShareScope	No	Integer	Sharing scope. Valid values: 1: Only sharing within a group

			organization is allowed; 2: Sharing with any account is allowed. Default value: 1
--	--	--	---

### 3. Output Parameters

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

### 4. Example

#### Example1 Creating a Shared Unit

##### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=AddShareUnit
&Name=myShareUnit
&Area=ap-guangzhou
&Description=share unit
&<Common request parameters>
```

##### Output Example

```
{
  "Response": {
    "RequestId": "5ef007aa-2dc5-4729-a880-b7ac69d94714",
    "UnitId": "shareUnit-xhre**ra2p"
  }
}
```

### 5. Developer Resources

#### SDK

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

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

## Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.AuthInfoEmpty	The user has not completed identity verification.
FailedOperation.AuthNotEnterprise	The user has not completed enterprise identity verification.
FailedOperation.ResourceOverLimit	Resources exceed the maximum upper limit.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
OperationDenied	Operation denied.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceUnavailable	Resources are unavailable.
UnsupportedOperation	The operation is not supported.

# UpdateShareUnit

Last updated : 2025-02-26 11:52:07

## 1. API Description

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

This API is used to update a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateShareUnit.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit ID.
Name	No	String	Shared unit name. It only supports combinations of uppercase and lowercase letters, digits, hyphens (-), and underscores (_), with 3 to 128 characters.
Description	No	String	Shared unit description. Maximum: 128 characters.
ShareScope	No	Integer	Sharing scope. Valid values: 1: Only sharing within a group organization is allowed; 2: Sharing with any account is allowed. Default value: 1

## 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 Updating a Shared Unit

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=UpdateShareUnit
&UnitId=shareUnit-xhreo**2p
&Description=share unit
&<Common request parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "42a5622f-d1bc-4d7f-b08a-01adc8d9cec9"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

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

## Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.ExistShareMemberNotInOrganization	There are shared members not in the organization.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resources are unavailable.
UnsupportedOperation	The operation is not supported.

# DeleteShareUnit

Last updated : 2025-02-26 11:52:15

## 1. API Description

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

This API is used to delete a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteShareUnit.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit 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 Deleting a Shared Unit

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DeleteShareUnit
&UnitId=shareUnit-xhreo**2p
&<Common request parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "42a5622f-d1bc-4d7f-b08a-01adc8d9cec9"
  }
}
```

## 5. Developer Resources

### SDK

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

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

### Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resources are unavailable.
UnsupportedOperation	The operation is not supported.

# DescribeShareUnits

Last updated : 2025-02-26 11:52:09

## 1. API Description

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

This API is used to obtain a list of shared units.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeShareUnits.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Area	Yes	String	Shared unit region. You can obtain supported shared regions through the API <a href="#">DescribeShareAreas</a> .
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Limit	Yes	Integer	Limit. Value range: 1-50.
SearchKey	No	String	Search keyword. UnitId and Name search is supported.

### 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number.
Items	Array of <a href="#">ManagerShareUnit</a>	Shared unit list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining a List of Shared Units

##### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DescribeShareUnits
&Area=ap-guangzhou
&Offset=0
&Limit=10
&<Common request parameters>
```

##### Output Example

```
{
  "Response": {
    "Items": [
      {
        "Area": "ap-guangzhou",
        "CreateTime": "2021-03-05 15:29:14",
        "Description": "share unit",
        "Name": "myShareUnit",
        "OwnerUin": 1111111111,
        "ShareMemberNum": 0,
        "ShareResourceNum": 0,
        "Uin": 2222222222,
        "UnitId": "shareUnit-xhre**ra2p"
      }
    ]
  }
}
```

```
],  
"RequestId": "7e6a64bc-6522-4c33-b3c3-303570691d7b",  
"Total": 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	Operation failed.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.

---

ResourceUnavailable	Resources are unavailable.
UnsupportedOperation	The operation is not supported.

# AddShareUnitMembers

Last updated : 2025-02-26 11:52:18

## 1. API Description

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

This API is used to add a shared unit member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AddShareUnitMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit ID.
Area	Yes	String	Shared unit region.
Members.N	Yes	Array of <a href="#">ShareMember</a>	Shared member list. Maximum: 10.

## 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 Adding a Shared Unit Member

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=AddShareUnitMembers
&UnitId=shareUnit-xhre**ra2p
&Area=ap-guangzhou
&Members.0.ShareMemberUin=333333333333
&<Common request parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "5ef007aa-2dc5-4729-a880-b7ac69d94714"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)



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

## Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.ShareAreaNotExist	The shared region does not exist.
FailedOperation.ShareUnitNotExist	The shared unit does not exist.
FailedOperation.SomeUinsNotInOrganization	The UIN does not belong to the organization.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.ShareUnitMemberOverLimit	The number of shared members for this operation exceeds the upper limit.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	The operation is not supported.
UnsupportedOperation.SharingToOtherOrganizationMember	Sharing with other organizational members is not supported.

# DeleteShareUnitMembers

Last updated : 2025-02-26 11:52:14

## 1. API Description

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

This API is used to delete a shared unit member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteShareUnitMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit ID.
Area	Yes	String	Shared unit region.
Members.N	Yes	Array of <a href="#">ShareMember</a>	Member list.

## 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 Deleting a Shared Unit Member

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DeleteShareUnitMembers
&UnitId=shareUnit-xhre**ra2p
&Area=ap-guangzhou
&Members.0.ShareMemberUin=333333333333
&<Common request parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "5ef007aa-2dc5-4729-a880-b7ac69d94714"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

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

## Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.ShareAreaNotExist	The shared region does not exist.
FailedOperation.ShareResourceMemberInUse	The member is using a shared resource.
FailedOperation.ShareResourceNotExist	The shared resource does not exist.
FailedOperation.ShareResourceTypeNotExist	The shared resource type does not exist.
FailedOperation.ShareUnitNotExist	The shared unit does not exist.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.ShareUnitMemberOverLimit	The number of shared members for this operation exceeds the upper limit.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	The operation is not supported.

# AcceptJoinShareUnitInvitation

Last updated : 2025-02-26 11:52:20

## 1. API Description

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

This API is used to accept an invitation to join a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AcceptJoinShareUnitInvitation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit 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 Accepting an Invitation to Join a Shared Unit

#### Input Example

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

{
  "UnitId": "shareUnit-xhreo**2p"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "f9ca56e2-1c27-483f-a78f-aaafc949b158"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.AuthInfoEmpty	The user has not completed identity verification.
FailedOperation.AuthInfoNotSame	Enterprise real name mismatch.
FailedOperation.AuthNotEnterprise	The user has not completed enterprise identity verification.
FailedOperation.ShareMemberNotExist	The shared member does not exist.
FailedOperation.ShareUnitNotExist	The shared unit does not exist.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation	The operation is not supported.

# RejectJoinShareUnitInvitation

Last updated : 2025-02-26 11:52:08

## 1. API Description

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

This API is used to reject an invitation to join a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: RejectJoinShareUnitInvitation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit 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 Rejecting an Invitation to Join a Shared Unit

#### Input Example

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

{
  "UnitId": "shareUnit-xhreo**2p"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "f9ca56e2-1c27-483f-a78f-aaafc949b158"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.ShareMemberNotExist	The shared member does not exist.
FailedOperation.ShareUnitNotExist	The shared unit does not exist.
InternalServerError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
UnsupportedOperation	The operation is not supported.

# DescribeShareUnitMembers

Last updated : 2025-02-26 11:52:11

## 1. API Description

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

This API is used to obtain the member list of a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeShareUnitMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit ID.
Area	Yes	String	Shared unit region.
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Limit	Yes	Integer	Limit. Value range: 1-50.
SearchKey	No	String	Search keyword. Member UIN search is supported.

### 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number.
Items	Array of <a href="#">ShareUnitMember</a>	Shared unit member list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining the Member List of a Shared Unit

##### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DescribeShareUnitMembers
&UnitId=shareUnit-xhre**ra2p
&Area=ap-guangzhou
&Offset=0
&Limit=10
&<Common request parameters>
```

##### Output Example

```
{
  "Response": {
    "Items": [
      {
        "CreateTime": "2021-03-06 17:08:38",
        "ShareMemberUin": 333333333333
      }
    ],
    "RequestId": "dd22e981-ad22-4676-865b-2d2184bf879b",
    "Total": 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	Operation failed.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	The operation is not supported.

# AddShareUnitResources

Last updated : 2025-02-26 11:52:16

## 1. API Description

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

This API is used to add resources to a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AddShareUnitResources.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit ID.
Area	Yes	String	Shared unit region.
Type	Yes	String	Shared resource type. For supported shared resource types, see <a href="#">Overview of Resource Sharing</a> .
Resources.N	Yes	Array of <a href="#">ProductResource</a>	Shared resource list. Maximum: 10.

### 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 Adding Resources to a Shared Unit

##### Input Example

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

{
  "Area": "ap-guangzhou",
  "Type": "secret",
  "Resources": [
    {
      "ProductResourceId": "sec***002"
    }
  ],
  "UnitId": "shareUnit-xhre**ra2p"
}
```

##### Output Example

```
{
  "Response": {
    "RequestId": "5ef007aa-2dc5-4729-a880-b7ac69d94714"
  }
}
```

## 5. Developer Resources

### SDK

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

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

### Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.HasDifferentResourceType	The shared unit has different shared resource types.
FailedOperation.ShareAreaNotExist	The shared region does not exist.
FailedOperation.ShareResourceTypeNotExist	The shared resource type does not exist.
FailedOperation.ShareUnitNotExist	The shared unit does not exist.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.ShareUnitResourceOverLimit	The number of shared resources for this operation exceeds the upper limit.
OperationDenied	Operation denied.



---

ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resources are unavailable.
UnsupportedOperation	The operation is not supported.
UnsupportedOperation.MemberUnsupportedOperation	The member does not support the operation.

# DeleteShareUnitResources

Last updated : 2025-02-26 11:52:13

## 1. API Description

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

This API is used to delete shared unit resources.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteShareUnitResources.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit ID.
Area	Yes	String	Shared unit region.
Type	Yes	String	Shared resource type. For supported shared resource types, see <a href="#">Overview of Resource Sharing</a> .
Resources.N	Yes	Array of <a href="#">ShareResource</a>	Shared resource list. Maximum: 10.

## 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 Deleting Shared Unit Resources

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DeleteShareUnitResources
&UnitId=shareUnit-xhre**ra2p
&Area=ap-guangzhou
&Type=secret
&Resources.0.ResourceId=shareResource-12**erte
&<Common request parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "5ef007aa-2dc5-4729-a880-b7ac69d94714"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

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

## Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.ShareAreaNotExist	The shared region does not exist.
FailedOperation.ShareResourceMemberInUse	The member is using a shared resource.
FailedOperation.ShareResourceNotExist	The shared resource does not exist.
FailedOperation.ShareResourceTypeNotExist	The shared resource type does not exist.
FailedOperation.ShareUnitNotExist	The shared unit does not exist.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
LimitExceeded.ShareUnitResourceOverLimit	The number of shared resources for this operation exceeds the upper limit.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	The operation is not supported.

# DescribeShareUnitResources

Last updated : 2025-02-26 11:52:10

## 1. API Description

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

This API is used to obtain the resource list of a shared unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DescribeShareUnitResources.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
UnitId	Yes	String	Shared unit ID.
Area	Yes	String	Shared unit region.
Offset	Yes	Integer	Offset. Its value must be an integer multiple of the limit. Default value: 0.
Limit	Yes	Integer	Limit. Value range: 1-50.
SearchKey	No	String	Search keyword. Product resource ID search is supported.

Type	No	String	Shared resource type. For supported shared resource types, see <a href="#">Overview of Resource Sharing</a> .
------	----	--------	---

### 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number.
Items	Array of <a href="#">ShareUnitResource</a>	Shared unit resource list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining the Resource List of a Shared Unit

##### Input Example

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

{
  "Offset": 0,
  "Area": "ap-guangzhou",
  "Limit": 10,
  "UnitId": "shareUnit-xhre**ra2p"
}
```

##### Output Example

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

```
"Items": [  
  {  
    "CreateTime": "2021-03-06 17:11:30",  
    "ResourceId": "shareUnit-12**erte",  
    "ProductResourceId": "sec***002",  
    "Type": "secret",  
    "SharedMemberNum": 2,  
    "SharedMemberUseNum": 0,  
    "ShareManagerUin": 111111111111  
  },  
  ],  
  "RequestId": "538e6bb8-704d-4594-b297-95bd2535ecc0",  
  "Total": 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	Operation failed.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	The operation is not supported.



# DescribeShareAreas

Last updated : 2025-02-26 11:52:12

## 1. API Description

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

This API is used to obtain a list of shareable 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	<a href="#">Common Params</a> . The value used for this API: DescribeShareAreas.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Lang	No	String	Valid values: en (Tencent Cloud International); zh (Tencent Cloud).

## 3. Output Parameters

Parameter Name	Type	Description
Items	Array of	Details.

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

## 4. Example

### Example1 Obtaining a Shared Region List

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DescribeShareAreas
&<Common request parameters>
```

#### Output Example

```
{
  "Response": {
    "Items": [
      {
        "Name": "Guangzhou",
        "Area": "ap-guangzhou",
        "AreaId": 1
      }
    ],
    "RequestId": "094f71aa-bc7d-44e8-99e7-6b2135b017e3"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

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

## Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
InternalError	An internal error occurred.
InvalidParameter	The parameter is incorrect.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	The operation is not supported.

# Identity Center Management APIs

## OpenIdentityCenter

Last updated : 2025-02-26 11:51:46

### 1. API Description

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

This API is used to activate Identity Center service (CIC).

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: OpenIdentityCenter.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
ZoneName	Yes	String	Space name, which must be globally unique and contain 2-64 characters including lowercase letters, digits, and hyphens (-). It can neither start or end with a hyphen (-) nor contain two consecutive hyphens (-).

### 3. Output Parameters

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

Name		
ZoneId	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
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 Activating Identity Center Service (CIC)

This example shows you how to activate Identity Center service (CIC).

#### Input Example

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

```
{
  "ZoneName": "testName"
}
```

#### Output Example

```
{
  "Response": {
    "ZoneId": "z-dj3jk*****",
    "RequestId": "e297543a-80de-4039-83c8-9d324f45"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterAlreadyOpen	The CIC service has been activated.
FailedOperation.IdentityCenterNotAuth	The user has not performed identity verification and cannot activate the CIC service.
FailedOperation.IdentityCenterNotEnterpriseAuth	The user has not performed enterprise identity verification and cannot activate the CIC service.
FailedOperation.IdentityCenterNotOrganizationManager	The user is not an admin of the Tencent Cloud Organization and cannot activate the CIC service.
FailedOperation.IdentityCenterOrganizationNotOpen	The user has not activated Tencent Cloud Organization and cannot activate the CIC service.
InvalidParameterValue.IdentityCenterZoneNameAlreadyExist	The CIC space name already exists. You should change the space name.

ResourceNotFound.ServiceRoleNotExist

The organization service role does not exist.

# DescribeIdentityCenter

Last updated : 2025-02-26 11:51:47

## 1. API Description

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

This API is used to obtain TCO Identity Center service 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	<a href="#">Common Params</a> . The value used for this API: DescribeIdentityCenter.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.

## 3. Output Parameters

Parameter Name	Type	Description
Zoneld	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.



ZoneName	String	Space name, which must be globally unique and contain 2-64 characters including lowercase letters, digits, and hyphens (-). It can neither start or end with a hyphen (-) nor contain two consecutive hyphens (-).
ServiceStatus	String	Service activation status. Disabled: not activated; Enabled: activated.
ScimSyncStatus	String	SCIM synchronization status. Enabled: enabled. Disabled: disabled.
CreateTime	String	Creation time
UpdateTime	String	Update date
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtaining TCO Identity Center Service Information

This example shows you how to obtain TCO Identity Center service information.

#### Input Example

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

{ }
```

#### Output Example

```
{
  "Response": {
    "CreateTime": "2024-05-30 10:50:11",
    "RequestId": "da9a32a5-f6d5-4ef5-be20-0ee16b63bb6d",
    "ScimSyncStatus": "Disabled",
    "ServiceStatus": "Enabled",
    "UpdateTime": "2024-06-25 10:08:21",
    "ZoneId": "z-vft38p2hq8tq",
    "ZoneName": "testwu"
  }
}
```

```
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.

# UpdateZone

Last updated : 2025-02-26 11:51:46

## 1. API Description

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

This API is used to update the user's space name.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateZone.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
NewZoneName	Yes	String	Space name, which must be globally unique and contain 2-64 characters including lowercase letters, digits, and hyphens (-). It can neither start or end with a hyphen (-) nor contain two consecutive hyphens (-).

## 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 Space Name

This example shows you how to modify the space name.

#### Input Example

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

{
  "ZoneId": "z-vft38p2hq8tq",
  "NewZoneName": "testzone"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "14effcdf-fbae-44fb-ab21-e2e0cc6edde6"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)

- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneIdNotExist	The user zoneId of the CIC service does not exist.
InvalidParameterValue.ZoneNameFormatError	The space name does not meet specifications.

# GetZoneStatistics

Last updated : 2025-02-26 11:51:46

## 1. API Description

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

This API is used to query space statistics.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetZoneStatistics.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.

## 3. Output Parameters

Parameter Name	Type	Description
ZoneStatistics	<a href="#">ZoneStatistics</a>	Space statistics.
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 Space Statistics

This example shows you how to query space statistics.

#### Input Example

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

{
  "ZoneId": "z-siwns82n****"
}
```

#### Output Example

```
{
  "Response": {
    "ZoneStatistics": {
      "UserQuota": 1000,
      "GroupQuota": 500,
      "RoleConfigurationQuota": 1000,
      "SystemPolicyPerRoleConfigurationQuota": 20,
      "UserCount": 10,
      "GroupCount": 2,
      "RoleConfigurationCount": 3,
      "UserProvisioningCount": 0,
      "RoleConfigurationSyncCount": 0
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.



# Identity Center User Management APIs

## CreateUser

Last updated : 2025-02-26 11:51:26

### 1. API Description

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

This API is used to create a user.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateUser.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserName	Yes	String	User name, which must be unique within the space and cannot be modified. It contains up to 64 characters, including digits, English letters, and special characters such as plus signs (+), equal signs (=), commas (,), periods (.), at signs (@), hyphens (-), and underscores (_).
FirstName	No	String	Last name of the user, which contains up to 64 characters.
LastName	No	String	First name of the user, which contains up to 64 characters.

DisplayName	No	String	Display name of the user, which contains up to 256 characters.
Description	No	String	User description, which contains up to 1024 characters.
Email	No	String	Email address of the user, which must be unique within the directory and contains up to 128 characters.
UserStatus	No	String	User status. Valid values: Enabled (default), Disabled.
UserType	No	String	User type. Manual: manually created, Synchronized: imported from external sources.

### 3. Output Parameters

Parameter Name	Type	Description
UserInfo	<a href="#">UserInfo</a>	User 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 Creating a User

This example shows you how to create a user.

#### Input Example

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

{
  "ZoneId": "z-33w3je****",
  "UserName": "Alice",
  "FirstName": "Alice",
  "LastName": "Alice",
```

```
"DisplayName": "Alice",
"Description": "this is user",
"Email": "Alice@example.com",
"UserStatus": "Enabled"
}
```

## Output Example

```
{
  "Response": {
    "UserInfo": {
      "UserName": "Alice",
      "FirstName": "Alice",
      "LastName": "Alice",
      "DisplayName": "Alice",
      "Description": "this is user",
      "Email": "Alice@example.com",
      "UserStatus": "Enabled",
      "UserType": "Manual",
      "UserId": "u-2342ds2s",
      "CreateTime": "2024-02-02 12:12:12",
      "UpdateTime": "2024-02-02 12:12:12"
    },
    "RequestId": "e297543a-80de-4039-83c8-9d35d4545"
  }
}
```

# 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.UserOverUpperLimit	Users created exceed the upper limit.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.EmailAlreadyExists	The email address already exists.
InvalidParameter.UsernameAlreadyExists	The username already exists.
InvalidParameter.UsernameFormatError	The username has a format error.
LimitExceeded.CreateUserLimitExceeded	Requests for creating users exceed the limit.

# ListUsers

Last updated : 2025-02-26 11:51:25

## 1. API Description

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

This API is used to query the user list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListUsers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserStatus	No	String	User status: Enabled, Disabled.
UserType	No	String	User type. Manual: manually created; Synchronized: externally imported.
Filter	No	String	Filter criterion, which currently only supports username, email address, userId, and description.
MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.

NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to continue calling the API with other request parameters unchanged, to query the truncated data. You can use this method for multiple queries until IsTruncated is false, indicating that all data has been queried.
FilterGroups.N	No	Array of String	Filtered user group. IsSelected=1 will be returned for the sub-user associated with this user group.
SortField	No	String	Sorting field, which currently only supports CreateTime. The default is the CreateTime field.
SortType	No	String	Sorting type. Desc: descending order; Asc: ascending order. It should be set along with SortField.
Offset	No	Integer	Pagination offset. Do not use it together with NextToken, prioritizing using NextToken.

### 3. Output Parameters

Parameter Name	Type	Description
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.
MaxResults	Integer	Maximum number of data entries per page.
Users	Array of <a href="#">UserInfo</a>	User list.
NextToken	String	Token for querying the next page of returned results. This parameter is displayed only when IsTruncated is true.
IsTruncated	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
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 User List

This example shows you how to query the user list.

#### Input Example

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

{
  "ZoneId": "z-2sw22w3"
}
```

#### Output Example

```
{
  "Response": {
    "TotalCounts": 50,
    "MaxResults": 20,
    "Users": [
      {
        "UserName": "test",
        "FirstName": "test",
        "LastName": "test",
        "DisplayName": "test",
        "Description": "this is user",
        "Email": "test@example",
        "UserStatus": "Enabled",
        "UserType": "Manual",
        "UserId": "u-2s334e3***",
        "CreateTime": "2024-03-12 12:12:12",
        "UpdateTime": "2024-03-12 12:12:12"
      }
    ],
    "NextToken": "OTM0YzE4MzY2ZjdhMWM0MYZDhnYaxsiYTLI=",
    "IsTruncated": true,
    "RequestId": "e297543a-80de-4039-83c8-9d35d4545"
  }
}
```

```
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.NextTokenInvalid	Invalid nextToken.
InvalidParameter.ParamError	Parameter error.



# GetUser

Last updated : 2025-02-26 11:51:25

## 1. API Description

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

This API is used to query the user 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	<a href="#">Common Params</a> . The value used for this API: GetUser.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
UserId	Yes	String	User ID.
Zoneld	Yes	String	Space ID.

## 3. Output Parameters

Parameter Name	Type	Description
UserInfo	<a href="#">UserInfo</a>	User 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 User Information

This example shows you how to query user information.

#### Input Example

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

{
  "UserId": "u-4i293bf3indh",
  "ZoneId": "z-hfp2qqncf343"
}
```

#### Output Example

```
{
  "Response": {
    "UserInfo": {
      "UserName": "test",
      "FirstName": "test",
      "LastName": "test",
      "DisplayName": "test",
      "Description": "this is user",
      "Email": "test@example.com",
      "UserStatus": "Enabled",
      "UserType": "Manual",
      "UserId": "u-2jsal3jdxk",
      "CreateTime": "2024-03-12 12:12:12",
      "UpdateTime": "2024-03-12 12:12:12"
    },
    "RequestId": "e297543a-80de-4039-83c8-34545s45"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.UserNotExist	The user does not exist.

# UpdateUser

Last updated : 2025-02-26 11:51:24

## 1. API Description

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

This API is used to modify user 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	<a href="#">Common Params</a> . The value used for this API: UpdateUser.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserId	Yes	String	User ID.
NewFirstName	No	String	First name of the user.
NewLastName	No	String	Last name of the user.
NewDisplayName	No	String	Display name of the user.
NewDescription	No	String	User description.
NewEmail	No	String	Email address of the user.

### 3. Output Parameters

Parameter Name	Type	Description
UserInfo	<a href="#">UserInfo</a>	User 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 Modifying the User Information

This example shows you how to modify the user information

#### Input Example

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

{
  "ZoneId": "z-343nh23kn",
  "UserId": "u-3324sfdds",
  "NewFirstName": "test",
  "NewLastName": "test",
  "NewDisplayName": "test",
  "NewDescription": "this is user.",
  "NewEmail": "test@example.com"
}
```

#### Output Example

```
{
  "Response": {
    "UserInfo": {
      "UserName": "test",
      "FirstName": "test",
      "LastName": "test",
```

```
"DisplayName": "test",
"Description": "this is user",
"Email": "test@example.com",
"UserStatus": "test",
"UserType": "Manual",
"UserId": "u-33sjadjsk",
"CreateTime": "2024-01-01 12:12:12",
"UpdateTime": "2024-01-01 12:12:12"
},
"RequestId": "e297543a-80de-4039-83c8-34545s45"
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.

---

FailedOperation.ManualUserNotUpdate	Manually created users cannot be updated.
FailedOperation.SynchronizedUserNotUpdate	The synchronized user cannot be modified.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.EmailAlreadyExists	The email address already exists.
ResourceNotFound.UserNotExist	The user does not exist.

# UpdateUserStatus

Last updated : 2025-02-26 11:51:24

## 1. API Description

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

This API is used to modify the user status.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateUserStatus.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserId	Yes	String	User ID.
NewUserStatus	Yes	String	User status. Valid values: Enabled, Disabled.

## 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 User Status

This example shows you how to modify the user status.

#### Input Example

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

{
  "ZoneId": "z-dwesfeas2",
  "UserId": "u-d3eedws",
  "NewUserStatus": "Disabled"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-34545s45"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ManualUserNotUpdate	Manually created users cannot be updated.
FailedOperation.SynchronizedUserNotUpdate	The synchronized user cannot be modified.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.UserNotExist	The user does not exist.

# DeleteUser

Last updated : 2025-02-26 11:51:25

## 1. API Description

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

This API is used to delete a user.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteUser.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserId	Yes	String	User 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 Deleting a User

This example shows you how to delete a user.

#### Input Example

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

{
  "ZoneId": "z-33mdo34md",
  "UserId": "u-2sks3m2"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-34545s45"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ManualUserNotDelete	Manually created users cannot be deleted.
FailedOperation.RoleConfigurationAuthorizationExist	The permission configuration authorization exists.
FailedOperation.SynchronizedUserNotDelete	The synchronized user cannot be deleted.
FailedOperation.UserProvisioningExists	The user synchronization exists.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.UserAlreadyExistsGroup	The user still exists in the user group.
ResourceNotFound.UserNotExist	The user does not exist.

# Identity Center User Group Management APIs

## CreateGroup

Last updated : 2025-02-26 11:51:29

### 1. API Description

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

This API is used to create user groups.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateGroup.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
GroupName	Yes	String	User group name, which contains up to 128 characters, including English letters, digits, and special characters (-).
Description	No	String	User group description, which contains up to 1024 characters.
GroupType	No	String	User group type. Manual: manually created, Synchronized: imported from external sources.

### 3. Output Parameters

Parameter Name	Type	Description
GroupInfo	<a href="#">GroupInfo</a>	User 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 Creating User Groups

This example shows you how to create user groups.

#### Input Example

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

{
  "ZoneId": "z-7cbs6s6gs***",
  "GroupName": "testGroup",
  "Description": "this is group"
}
```

#### Output Example

```
{
  "Response": {
    "GroupInfo": {
      "GroupName": "testGroup",
      "Description": "this is group",
      "CreateTime": "2024-01-01 12:12:12",
      "GroupType": "Manual",
      "UpdateTime": "2024-01-01 12:12:12",
      "GroupId": "g-8sh7baix***",
      "MemberCount": 0
    }
  }
}
```

```
} ,  
"RequestId": "e297543a-80de-4039-83c8-9d35d4545"  
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.GroupOverUpperLimit	User groups created exceed the upper limit.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.GroupNameAlreadyExists	The user group name already exists.
InvalidParameter.GroupNameFormatError	The user group name has a format error.



# DeleteGroup

Last updated : 2025-02-26 11:51:29

## 1. API Description

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

This API is used to delete user groups.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteGroup.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
Groupld	Yes	String	User group ID.

## 3. Output Parameters

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

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

## 4. Example

### Example1 Deleting a User Group

This example shows you how to delete a user group.

#### Input Example

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

{
  "ZoneId": "z-d8d7djd***",
  "GroupId": "g-sudnd7d88"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DeleteGroupNotAllowedExistUser	The user group still contains users and does not allow deleting users.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ManualGroupNotDelete	Manually created user groups cannot be deleted.
FailedOperation.RoleConfigurationAuthorizationExist	The permission configuration authorization exists.
FailedOperation.SynchronizedGroupNotDelete	The synchronized user groups cannot be deleted.
FailedOperation.UserProvisioningExists	The user synchronization exists.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.GroupNotExist	The user group does not exist.

# AddUserToGroup

Last updated : 2025-02-26 11:51:30

## 1. API Description

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

This API is used to add users to a user 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	<a href="#">Common Params</a> . The value used for this API: AddUserToGroup.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
Groupld	Yes	String	User group ID.
Userld	Yes	String	User 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 Adding Users to a User Group

This example shows you how to add users to a user group.

#### Input Example

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

{
  "ZoneId": "z-d8dh38bd",
  "GroupId": "g-dsuen8n",
  "UserId": "u-s3ndin23"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.GroupTypeUserTypeNotMatch	User group type and user type do not match.
FailedOperation.GroupUserCountOverUpperLimit	Members of the CIC user group exceed the limit.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ManualGroupNotUpdate	Manually created user groups cannot be updated.
FailedOperation.SynchronizedGroupNotAddUser	The synchronized user group does not allow adding users.
FailedOperation.SynchronizedGroupNotUpdate	The synchronized user group cannot be updated.
FailedOperation.UserAddGroupCountOverUpperLimit	Users joining the user group exceed the limit.
FailedOperation.ZoneIdNotExist	The user zoneid of the CIC service does not exist.
InvalidParameter.GroupNotExist	The user group does not exist.
InvalidParameter.GroupUserAlreadyExists	The user already exists in the user group.
LimitExceeded.AddUserToGroupLimitExceeded	Requests for adding users to the user group exceed the limit.
ResourceNotFound.UserNotExist	The user does not exist.

# ListGroupMembers

Last updated : 2025-02-26 11:51:28

## 1. API Description

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

This API is used to query the user list of the user 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	<a href="#">Common Params</a> . The value used for this API: ListGroupMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
Groupld	Yes	String	User ID.
NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to continue calling the API with other request parameters unchanged, to query the truncated data. You can use this method for

			multiple queries until IsTruncated is false, indicating that all data has been queried.
MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.
UserType	No	String	Type of the user. Manual: manually created; Synchronized: imported from external sources.

### 3. Output Parameters

Parameter Name	Type	Description
NextToken	String	Token for querying the next page of returned results. Note: This parameter is displayed only when IsTruncated is true.
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.
MaxResults	Integer	Maximum number of data entries per page.
IsTruncated	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
GroupMembers	Array of <a href="#">GroupMembers</a>	The user list of a user group.
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 User List of the User Group

This example shows you how to query the user list of the user group.

#### Input Example

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



```
X-TC-Action: ListGroupMembers
<Common request parameters>

{
  "ZoneId": "z-ds932j9m3",
  "GroupId": "g29sn2389e",
  "NextToken": "",
  "MaxResults": 10
}
```

## Output Example

```
{
  "Response": {
    "NextToken": "OTM0YzE4MzY2ZjdhMWM0MYZDhnYaxsiYTLI=",
    "TotalCounts": 20,
    "MaxResults": 10,
    "IsTruncated": true,
    "GroupMembers": [
      {
        "UserName": "test",
        "DisplayName": "test",
        "Description": "this is test user",
        "Email": "123456@qq.com",
        "UserStatus": "Enabled",
        "UserType": "Manual",
        "UserId": "u-d032med3",
        "JoinTime": "2024-01-01 12:12:12"
      }
    ],
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

# 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.GroupNotExist	The user group does not exist.

# ListJoinedGroupsForUser

Last updated : 2025-02-26 11:51:27

## 1. API Description

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

This API is used to query the user group joined by users.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListJoinedGroupsForUser.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserId	Yes	String	User ID
NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to continue calling the API with other request parameters

			unchanged, to query the truncated data. You can use this method for multiple queries until <code>IsTruncated</code> is false, indicating that all data has been queried.
<code>MaxResults</code>	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.

### 3. Output Parameters

Parameter Name	Type	Description
<code>NextToken</code>	String	Token for querying the next page of returned results. Note: This parameter is displayed only when <code>IsTruncated</code> is true.
<code>TotalCounts</code>	Integer	Total number of data entries that meet the request parameter conditions.
<code>MaxResults</code>	Integer	Maximum number of data entries per page.
<code>IsTruncated</code>	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
<code>JoinedGroups</code>	Array of <a href="#">JoinedGroups</a>	List of user groups joined by the user.
<code>RequestId</code>	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 <code>RequestId</code> ). <code>RequestId</code> is required for locating a problem.

### 4. Example

#### Example1 Querying the User Group Joined by Users

This example shows you how to query the user group joined by users.

#### Input Example

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

```
{
  "ZoneId": "z-2o3meo3",
  "UserId": "u-3od3e3d",
  "NextToken": "",
  "MaxResults": 10
}
```

## Output Example

```
{
  "Response": {
    "NextToken": "OTM0YzE4MzY2ZjdhMWM0MYZDhnYaxsiYTLI=",
    "TotalCounts": 20,
    "MaxResults": 10,
    "IsTruncated": true,
    "JoinedGroups": [
      {
        "GroupName": "testGroup",
        "Description": "this is testGroup",
        "GroupId": "g-s23nw3e",
        "GroupType": "Manual",
        "JoinTime": "2021-01-01 12:12:12"
      }
    ],
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

# 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.UserNotExist	The user does not exist.

# RemoveUserFromGroup

Last updated : 2025-02-26 11:51:27

## 1. API Description

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

This API is used to removes users from a user 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	<a href="#">Common Params</a> . The value used for this API: RemoveUserFromGroup.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
Groupld	Yes	String	User group ID.
Userld	Yes	String	User 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 Removing Users from a User Group

This example shows you how to removes users from a user group.

#### Input Example

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

{
  "ZoneId": "z-d83n8sn3",
  "GroupId": "g-du3n83nd",
  "UserId": "u-sd823ns82n"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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



- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ManualGroupNotUpdate	Manually created user groups cannot be updated.
FailedOperation.SynchronizedGroupNotRemoveUser	The synchronized user group does not allow deleting users.
FailedOperation.SynchronizedGroupNotUpdate	The synchronized user group cannot be updated.
FailedOperation.ZoneIdNotExist	The user zoneId of the CIC service does not exist.
InvalidParameter.GroupNotExist	The user group does not exist.
InvalidParameter.GroupUserNotExist	The user does not exist in the user group.
LimitExceeded.RemoveUserFromGroupLimitExceeded	Requests for removing users from the user group exceed the limit.

# UpdateGroup

Last updated : 2025-02-26 11:51:26

## 1. API Description

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

This API is used to modify user group information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateGroup.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
Groupld	Yes	String	User group ID.
NewGroupName	No	String	New user group name.
NewDescription	No	String	New user group description.

## 3. Output Parameters

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

Name		
GroupInfo	<a href="#">GroupInfo</a>	User 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 Modifying the User Group Information

This example shows you how to modify the user group information.

#### Input Example

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

{
  "ZoneId": "z-s8shs8bd***",
  "GroupId": "g-s8dhdn3",
  "NewGroupName": "testGroup",
  "NewDescription": "this is group."
}
```

#### Output Example

```
{
  "Response": {
    "GroupInfo": {
      "GroupName": "testGroup",
      "Description": "this is group",
      "CreateTime": "2024-01-01 12:12:12",
      "GroupType": "Manual",
      "UpdateTime": "2024-01-01 12:12:12",
      "GroupId": "g-w8hd8n***",
      "MemberCount": 20
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
```

```
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ManualGroupNotUpdate	Manually created user groups cannot be updated.
FailedOperation.SynchronizedGroupNotUpdate	The synchronized user group cannot be updated.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.GroupNameAlreadyExists	The user group name already exists.
InvalidParameter.GroupNotExist	The user group does not exist.

# GetGroup

Last updated : 2025-02-26 11:51:28

## 1. API Description

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

This API is used to query the user group information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetGroup.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
Groupld	Yes	String	User group ID.

## 3. Output Parameters

Parameter Name	Type	Description
GroupInfo	<a href="#">GroupInfo</a>	User 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 Querying the User Group Information

This example shows you how to query the user group information.

#### Input Example

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

{
  "ZoneId": "z-ws9sdj8****",
  "GroupId": "g-sushsia7s8"
}
```

#### Output Example

```
{
  "Response": {
    "GroupInfo": {
      "GroupName": "testGroup",
      "Description": "this is group",
      "CreateTime": "2024-01-01 12:12:12",
      "GroupType": "Manual",
      "UpdateTime": "2024-01-01 12:12:12",
      "GroupId": "g-sushsia7s8",
      "MemberCount": 20
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.GroupNotExist	The user group does not exist.

# ListGroups

Last updated : 2025-02-26 11:51:28

## 1. API Description

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

This API is used to query the user group list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListGroups.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to continue calling the API with other request parameters unchanged, to query the truncated data. You can use this method for multiple queries until IsTruncated is false, indicating that all data has been queried.



MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.
Filter	No	String	Filter criterion. Format: , case-insensitive. Currently, supports only GroupName, and supports only eq (Equals) and sw (Start With). For example, Filter = "GroupName sw test" indicates querying all user groups with names starting with test; Filter = "GroupName eq testgroup" indicates querying the user group with the name testgroup.
GroupType	No	String	User group type. Manual: manually created; Synchronized: externally imported.
FilterUsers.N	No	Array of String	Filtered user. IsSelected=1 will be returned for the user group associated with this user.
SortField	No	String	Sorting field, which currently only supports CreateTime. The default is the CreateTime field.
SortType	No	String	Sorting type. Desc: descending order; Asc: ascending order. It should be set along with SortField.
Offset	No	Integer	Pagination offset. Do not use it together with NextToken, prioritizing using NextToken.

### 3. Output Parameters

Parameter Name	Type	Description
NextToken	String	Token for querying the next page of returned results. Note: This parameter is displayed only when IsTruncated is true.
Groups	Array of <a href="#">GroupInfo</a>	User group list.
MaxResults	Integer	Maximum number of data entries per page.
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.
IsTruncated	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
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 User Group List

This example shows you how to query the user group list.

#### Input Example

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

{
  "ZoneId": "z-32s7dhd8s***",
  "MaxResults": "20",
  "GroupType": "Manual"
}
```

#### Output Example

```
{
  "Response": {
    "NextToken": "OTM0YzE4MzY2ZjdhMWM0MYZD*****",
    "Groups": [
      {
        "GroupName": "testGroup",
        "Description": "thsi is group",
        "CreateTime": "2024-01-01 12:12:12",
        "GroupType": "Manual",
        "UpdateTime": "2024-01-01 12:12:12",
        "GroupId": "g-q8shs8h***",
        "MemberCount": 20
      }
    ],
    "MaxResults": 10,
    "TotalCounts": 30,
    "IsTruncated": true,
    "RequestId": "e297543a-80de-4039-83c8-9d35d4545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.NextTokenInvalid	Invalid nextToken.
InvalidParameter.ParamError	Parameter error.

# Identity Center Management SCIM Synchronization APIs

## CreateSCIMCredential

Last updated : 2025-02-26 11:51:45

### 1. API Description

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

This API is used to create a SCIM key.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateSCIMCredential.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.

### 3. Output Parameters

--	--	--

Parameter Name	Type	Description
ZoneId	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
CredentialId	String	SCIM key ID, which starts with the scimcred- prefix, followed by 12 random digits/lowercase letters.
CredentialType	String	SCIM key type.
CreateTime	String	Creation time of a SCIM key.
ExpireTime	String	Expiration time of a SCIM key.
CredentialStatus	String	SCIM key status. Enabled: enabled. Disabled: disabled.
CredentialSecret	String	SCIM key.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Creating a SCIM Key

This example shows you how to create a SCIM key.

#### Input Example

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

{
  "ZoneId": "z-vft38p2hq8tq"
}
```

#### Output Example

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

```
"CreateTime": "2024-05-31 15:04:53",
"CredentialId": "scimcred-un1tgbnt0s9j",
"CredentialSecret": "YlBKbEhkYXI2cy9xOEFjSyj9sngcXTyzqPMSkQl_qJ7IVNQGJoQJ9tUerclt
tS7PAWiabsIxbCx3f3gR0qOWEqKmIF5N1RGrMqHx10KhBq-BLowGXx8fpOipLmzYKYtjiO7CCUdkJ5_7
de2nTCGEeC2yIu9dmJ5gtKwYBmjPW4F22cnReLf-2VeI5PDvqjKkZTu_WJ5vvUBoGlZsprEKapgVKEDdm
YL04rvc-3u1__zTRbjC8PtncjqLvCx-9JsSiltZsVwldFCUDWAlOfmpcbdT1DaV9W8Ule-yOrqS-NJUUn
J4HsUzW3cL2nYiNQ2s5xD_DS7n691G6nhwK6xzu0po8Wy12oHx9RIhZ48d9kI9SwCwlrHZ0yNx7G__dtW
durhce2owPGLdETPPJlcOtCKFiNoHOc5EZox3ZKEVqo2CUA=",
"CredentialStatus": "Enabled",
"CredentialType": "BearerToken",
"ExpireTime": "2025-05-31 15:04:53",
"RequestId": "b835edd6-8ac0-4e79-9b78-917d3faff9ed",
"ZoneId": "z-vft38p2hq8tq"
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.ScimCredentialGenerateError	Failed to generate the SCIM key.
LimitExceeded.ScimCredentialLimitExceeded	The number of SCIM keys exceeds the limit.

# DeleteSCIMCredential

Last updated : 2025-02-26 11:51:45

## 1. API Description

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

This API is used to delete a SCIM key.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteSCIMCredential.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
CredentialId	Yes	String	SCIM key ID, which starts with the scimcred- prefix, followed by 12 random digits/lowercase letters.

## 3. Output Parameters

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



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

## 4. Example

### Example1 Deleting a SCIM Key

This example shows you how to delete a SCIM key.

#### Input Example

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

{
  "ZoneId": "z-vft38p2hq8tq",
  "CredentialId": "scimcred-un1tgbnt0s9j"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b9a87af3-a121-471b-bb61-16a2985b4619"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.ScimCredentialNotFound	SCIM key does not exist.

# UpdateSCIMCredentialStatus

Last updated : 2025-02-26 11:51:43

## 1. API Description

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

This API is used to enable or disable a SCIM key.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateSCIMCredentialStatus.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
CredentialId	Yes	String	SCIM key ID, which starts with the scimcred- prefix, followed by 12 random digits/lowercase letters.
NewStatus	Yes	String	SCIM key status. Enabled: enabled. Disabled: disabled.

## 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 SCIM Key Status

This example shows you how to modify SCIM key status.

#### Input Example

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

{
  "ZoneId": "z-vft38p2hq8tq",
  "CredentialId": "scimcred-un1tgbnt0s9j",
  "NewStatus": "Disabled"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "d0b5fffc-c7b9-4513-a080-8dfcf72c6e56"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.ScimCredentialNotFound	SCIM key does not exist.
InvalidParameter.UserScimCredentialStatusError	SCIM key status error

# UpdateSCIMsynchronizationStatus

Last updated : 2025-02-26 11:51:43

## 1. API Description

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

This API is used to enable or disable user SCIM synchronization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateSCIMsynchronizationStatus.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
SCIMsynchronizationStatus	Yes	String	SCIM synchronization status. Enabled: enabled. Disabled: disabled.

## 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 Updating SCIM Synchronization Status

This example shows you how to update SCIM synchronization status.

#### Input Example

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

{
  "ZoneId": "z-vft38p2hq8tq",
  "SCIMsynchronizationStatus": "Enabled"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "520e1475-6042-4353-b85a-7c67e5e98e58"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)

- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.ScimSyncStatusError	SCIM synchronization status error



# GetSCIMsynchronizationStatus

Last updated : 2025-02-26 11:51:44

## 1. API Description

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

This API is used to query SCIM synchronization status.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetSCIMsynchronizationStatus.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.

## 3. Output Parameters

Parameter Name	Type	Description
SCIMsynchronizationStatus	String	SCIM synchronization status. Enabled: enabled. Disabled: disabled.

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 SCIM Synchronization Status

This example shows you how to query SCIM synchronization status.

#### Input Example

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

{
  "ZoneId": "z-vft38p2hq8tq"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "a9c83496-1656-4e86-88ba-4cbc26bef4ba",
    "SCIMsynchronizationStatus": "Disabled"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.

# ListSCIMCredentials

Last updated : 2025-02-26 11:51:44

## 1. API Description

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

This API is used to query the user SCIM key list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListSCIMCredentials.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
CredentialId	No	String	SCIM key ID.

## 3. Output Parameters

Parameter Name	Type	Description

TotalCounts	Integer	Number of SCIM keys.
SCIMCredentials	Array of <a href="#">SCIMCredential</a>	SCIM key 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 SCIM Key List

This example shows you how to query the SCIM key list.

#### Input Example

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

{
  "ZoneId": "z-vft38p2hq8tq"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "60ebab32-73ff-4d3d-abdf-af9b1e866add",
    "SCIMCredentials": [],
    "TotalCounts": 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.

# Identity Center Single Sign-On Management APIs

## AddExternalSAMLIdPCertificate

Last updated : 2025-02-26 11:51:35

### 1. API Description

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

This API is used to add SAML signing certificates.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AddExternalSAMLIdPCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
ZoneId	Yes	String	Space ID.
X509Certificate	Yes	String	X509 certificate in PEM format, provided by the SAML identity provider.

## 3. Output Parameters

Parameter Name	Type	Description
CertificateId	String	SAML signing certificate 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 Adding SAML Signing Certificates

This example shows you how to add SAML signing certificates.

#### Input Example

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

{
  "ZoneId": "z-dsj3ieme",
  "X509Certificate": "nMIIBtjCCAVugAwIBAgITBmyf1XSXNmY*****"
}
```

#### Output Example

```
{
  "Response": {
    "CertificateId": "idp-c-2jd8923je29****",
    "RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"
  }
}
```

## 5. Developer Resources



## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.X509CertificateAlreadyExist	The X509 certificate already exists.
FailedOperation.X509CertificateParsingFailed	X509 certificate parsing failed.
InternalError	An internal error occurred.
InvalidParameterValue.X509CertificateFormatError	The X509 certificate has a format error.

# ClearExternalSAMLIdentityProvider

Last updated : 2025-02-26 11:51:35

## 1. API Description

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

This API is used to clear the SAML identity provider configuration information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ClearExternalSAMLIdentityProvider.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space 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 Clearing the SAML Identity Provider Configuration Information

This example shows you how to clear the SAML identity provider configuration information.

#### Input Example

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

{
  "ZoneId": "z-du3jd83***"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"
  }
}
```

## 5. Developer Resources

### SDK

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

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

- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.SSoStatusEnableNotClearIdentityProvider	The SAML identity provider information cannot be cleared when SSO is enabled.
InternalError	An internal error occurred.
ResourceNotFound.SAMLIdentityProviderNotFound	The SAML identity provider configuration does not exist.

# GetExternalSAMLIdentityProvider

Last updated : 2025-02-26 11:51:34

## 1. API Description

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

This API is used to query the SAML identity provider configuration information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetExternalSAMLIdentityProvider.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.

## 3. Output Parameters

Parameter Name	Type	Description
SAMLIdentityProviderConfiguration	<a href="#">SAMLIdentityProviderConfiguration</a>	SAML identity provider configuration 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 SAML Identity Provider Configuration Information

This example shows you how to query the SAML identity provider configuration information.

#### Input Example

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

{
  "ZoneId": "z-dm239d****"
}
```

#### Output Example

```
{
  "Response": {
    "SAMLIdentityProviderConfiguration": {
      "EntityId": "http://www.okta.com/2jd83ne9m****",
      "SSOStatus": "Enabled",
      "EncodedMetadataDocument": "PD94bWwgdmVyc2lvcj0iMS4wIj8+CjxFbnRpdH1EZXRjcmlldG9yIHhtbG5zPSJ1cm46b2FzaXM6bmFtZXM6dGM6U0FNTDoydpbi5jb20vc2FtbC9tZXRhZGF0YS8xN2NkYjEyOC03N*****",
      "CertificateIds": [
        "idp-c-2jd8923je29****"
      ],
      "LoginUrl": "https://dev-xxxxxx.okta.com/app/dev-xxxxxx_cloudssodemo_1/2jd83ne9m***/sso/saml",
      "CreateTime": "2024-01-01 12:12:12",
      "UpdateTime": "2024-01-01 12:12:12"
    }
  }
}
```

```
} ,  
"RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"  
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
InternalServerError	An internal error occurred.
ResourceNotFound.SAMLIdentityProviderNotFound	The SAML identity provider configuration does not exist.

# GetZoneSAMLServiceProviderInfo

Last updated : 2025-02-26 11:51:34

## 1. API Description

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

This API is used to query the SAML service provider configuration information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetZoneSAMLServiceProviderInfo.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.

## 3. Output Parameters

Parameter Name	Type	Description
SAMLServiceProvider	<a href="#">SAMLServiceProvider</a>	SAML service provider configuration 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 SAML Service Provider Configuration Information

This example shows you how to query the SAML service provider configuration information.

#### Input Example

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

{
  "ZoneId": "z-di3d9em***"
}
```

#### Output Example

```
{
  "Response": {
    "SAMLServiceProvider": {
      "EntityId": "https://tencentcloudsso.com/saml/sp/z-doekeie***",
      "ZoneId": "z-doekeie***",
      "EncodedMetadataDocument": "JTNDJTNGeG1sJTIwdmVyc2lvbiUzRCUyMjEuMCUyMiUyMGVuY29kaW5nJTNEJTIy***",
      "AcsUrl": "https://tencentcloudsso.com/saml/acs/d9wjd-d93je9-2me***"
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.SAMLMetadataDocumentGetFailed	SAML metadata document acquisition failed.
InternalError	An internal error occurred.
ResourceNotFound.SAMLServiceProviderNotFound	The SAML service provider information does not exist.

# ListExternalSAMLIdPCertificates

Last updated : 2025-02-26 11:51:34

## 1. API Description

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

This API is used to query the SAML signing certificate list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListExternalSAMLIdPCertificates.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.

## 3. Output Parameters

Parameter Name	Type	Description
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.

SAMLIdPCertificates	Array of <a href="#">SAMLIdPCertificate</a>	SAML signing certificate list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Querying the SAML Signing Certificate List

This example shows you how to query the SAML signing certificate list.

#### Input Example

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

{
  "ZoneId": "z-xj239dj23***"
}
```

#### Output Example

```
{
  "Response": {
    "TotalCounts": 20,
    "SAMLIdPCertificates": [
      {
        "SerialNumber": "1347934239***",
        "Issuer": "5.6.54.22.1.9.1=#dj39dj39e3w9rm3e2e3***, CN=dev-xxxxxx, OU=SSOProvider, O=Okta",
        "Version": "1",
        "CertificateId": "idp-c-2jd8923je29***",
        "PublicKey": "nMIIBtjCCAVugAwIBAgITBmyf1XSXNmY***",
        "SignatureAlgorithm": "SHA256withRSA",
        "NotAfter": "2030-06-23 07:04:37",
        "NotBefore": "2010-06-23 07:04:37",
        "Subject": "5.6.54.22.1.9.1=#dj39dj39e3w9rm3e2e3***, CN=dev-xxxxxx, OU=SSOProvider, O=Okta",
      }
    ]
  }
}
```

```
"X509Certificate": "nMIIBTjCCAVugAwIBAgITBmyf1XSXNmY****"  
}  
],  
"RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"  
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
InternalError	An internal error occurred.

# RemoveExternalSAMLIdPCertificate

Last updated : 2025-02-26 11:51:33

## 1. API Description

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

This API is used to remove SAML signing certificates.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: RemoveExternalSAMLIdPCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
CertificateId	Yes	String	X509 certificate in PEM format, provided by the SAML identity provider.

## 3. Output Parameters

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

Name		
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 Removing SAML Signing Certificates

This example shows you how to remove SAML signing certificates.

#### Input Example

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

{
  "ZoneId": "z-2js923necd***",
  "CertificateId": "idp-c-2jd8923je29****"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
InternalServerError	An internal error occurred.
ResourceNotFound.X509CertificateNotFound	The X509 certificate does not exist.



# SetExternalSAMLIdentityProvider

Last updated : 2025-02-26 11:51:33

## 1. API Description

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

This API is used to configure the SAML identity provider 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	<a href="#">Common Params</a> . The value used for this API: SetExternalSAMLIdentityProvider.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
ZoneId	Yes	String	Space ID.
EncodedMetadataDocument	No	String	IdP metadata document (Base64 encoded). Provided by an IdP that supports the SAML 2.0 protocol.
SSOStatus	No	String	SSO enabling status. Valid values: Enabled, Disabled (default).
EntityId	No	String	IdP identifier.
LoginUrl	No	String	IdP login URL.

X509Certificate	No	String	X509 certificate in PEM format. If this parameter is specified, all existing certificates will be replaced.
-----------------	----	--------	---

### 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 Configuring the SAML Identity Provider Information

This example shows you how to configure the SAML identity provider information.

#### Input Example

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

{
  "ZoneId": "z-d3ideodm***",
  "EncodedMetadataDocument": "JTNDJTNGeG1sJTIwdmVyc2lvb21vbiUzRCUyMjEuMCUyMiUyMGVuY29kaW5*****",
  "SSOStatus": "Enabled",
  "EntityId": "http://www.okta.com/xd83nd83nd***",
  "LoginUrl": "https://dev-xxxxxx.okta.com/app/dev-xxxxxx_cloudssodemo_1/xd83nd83nd****/sso/saml",
  "X509Certificate": "MIIC8DCCAdigAwIBAgIQP9eomUYGeoND****"
}
```

#### Output Example

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

```
"RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"  
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.DecodeMetadataDocumentFailed	Metadata document decoding failed.
FailedOperation.MetadataCosParsingFailed	IdP metadata parsing failed.
FailedOperation.SAMLServiceProviderCreateFailed	SAML service provider creation failed.
FailedOperation.UploadMetadataFailed	Data file uploading failed.
FailedOperation.X509CertificateParsingFailed	X509 certificate parsing failed.

---

FailedOperation.XMLDataUnmarshalFailed	XML parsing for the metadata document failed.
InternalError	An internal error occurred.
InvalidParameterValue.SSoStatusInvalid	The SSO enabling status is invalid.
InvalidParameterValue.X509CertificateFormatError	The X509 certificate has a format error.

# Identity Center Permission Configuration Management APIs

## ListRoleConfigurationProvisionings

Last updated : 2025-02-26 11:51:37

### 1. API Description

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

This API is used to query the permission configuration deployment list.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListRoleConfigurationProvisionings.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	No	String	Permission configuration ID.
MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.
NextToken	No	String	Token for querying the next page of returned results. During

			use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to continue calling the API with other request parameters unchanged, to query the truncated data. You can use this method for multiple queries until IsTruncated is false, indicating that all data has been queried.
TargetType	No	String	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
TargetUin	No	Integer	UIN of the synchronized target account of the Tencent Cloud Organization.
DeploymentStatus	No	String	Deployed: Deployment succeeded; DeployedRequired: Redeployment required; DeployFailed: Deployment failed.
Filter	No	String	Search by configuration name is supported.

### 3. Output Parameters

Parameter Name	Type	Description
NextToken	String	Token for querying the next page of returned results. Note: This parameter is displayed only when IsTruncated is true.
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.
MaxResults	Integer	Maximum number of data entries per page.
IsTruncated	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
RoleConfigurationProvisionings	Array of <a href="#">RoleConfigurationProvisionings</a>	Department member account list.
RequestId	String	The unique request ID, generated by the

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

## 4. Example

### Example1 Querying the Permission Configuration Deployment List

This example shows you how to query the permission configuration deployment list.

#### Input Example

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

{
  "ZoneId": "z-d8wj",
  "RoleConfigurationId": "up-dnsisns***",
  "MaxResults": 20,
  "NextToken": "abc",
  "TargetType": "MemberUin",
  "TargetUin": 1000329122,
  "DeploymentStatus": "DeployedRequired",
  "Filter": "test"
}
```

#### Output Example

```
{
  "Response": {
    "NextToken": "",
    "TotalCounts": 30,
    "MaxResults": 10,
    "IsTruncated": true,
    "RoleConfigurationProvisionings": [
      {
        "DeploymentStatus": "DeployedRequired",
        "RoleConfigurationId": "rc-sjwiwm2ww**",
        "RoleConfigurationName": "testConfiguration",

```

```
"TargetUin": 10003292021,
"TargetName": "test",
"TargetType": "MemberUin",
"CreateTime": "2024-01-01 12:12:12",
"UpdateTime": "2024-01-01 12:12:12"
},
],
"RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.NextTokenInvalid	Invalid nextToken.



---

InvalidParameter.ParamError	Parameter error.
-----------------------------	------------------

# CreateRoleConfiguration

Last updated : 2025-02-26 11:51:39

## 1. API Description

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

This API is used to create permission configurations.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationName	Yes	String	Permission configuration name, which contains up to 128 characters, including English letters, digits, and hyphens (-).
Description	No	String	Permission configuration description, which contains up to 1,024 characters.
SessionDuration	No	Integer	Session duration, in seconds. It is the maximum time a CIC user can maintain a session while using permission configurations to access a target account in TCO. Value

			range: 900 to 43200 (15 minutes to 12 hours). Default: 3600 (1 hour).
RelayState	No	String	Initial access page. It is the initial page address when a CIC user uses permission configurations to access a target account in TCO. This page must be a Tencent Cloud console page. The default value is empty, representing a redirection to the home page of the Tencent Cloud console.

### 3. Output Parameters

Parameter Name	Type	Description
RoleConfigurationInfo	<a href="#">RoleConfiguration</a>	Access configuration 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 Creating Permission Configurations

This example shows you how to create permission configurations.

#### Input Example

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

{
  "ZoneId": "z-33923n",
  "RoleConfigurationName": "test",
  "Description": "this is role configuration",
  "SessionDuration": 900,
  "RelayState": "https://console.intl.cloud.tencent.com"
}
```

## Output Example

```
{
  "Response": {
    "RoleConfigurationInfo": {
      "RoleConfigurationId": "rc-s2ns92ns***",
      "RoleConfigurationName": "test",
      "Description": "this is role configuration",
      "SessionDuration": 900,
      "RelayState": "https://console.intl.cloud.tencent.com",
      "CreateTime": "2019-01-01 12:12:12",
      "UpdateTime": "2019-01-01 12:12:12"
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.ConfigurationOverUpperLimit	Permission configurations created for a directory exceed the upper limit.
FailedOperation.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.ConfigurationNameAlreadyExists	The permission configuration name already exists.
InvalidParameter.ConfigurationNameFormatError	The permission configuration name has a format error.

# ListRoleConfigurations

Last updated : 2025-02-26 11:51:37

## 1. API Description

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

This API is used to query the permission configuration list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListRoleConfigurations.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to continue calling the API with other request parameters unchanged, to query the truncated data.

			You can use this method for multiple queries until <code>IsTruncated</code> is false, indicating that all data has been queried.
MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.
Filter	No	String	Filter criteria, which are case insensitive. Currently, only <code>RoleConfigurationName</code> is supported and only <code>eq</code> (Equals) and <code>sw</code> (Start With) are supported. Example: Filter = <code>"RoleConfigurationName, only sw test"</code> means querying all permission configurations starting with test. Filter = <code>"RoleConfigurationName, only eq TestRoleConfiguration"</code> means querying the permission configuration named <code>TestRoleConfiguration</code> .
FilterTargets.N	No	Array of Integer	Check whether the member account has been configured with permissions. If configured, return <code>IsSelected: true</code> ; otherwise, return false.
PrincipalId	No	String	<code>UserId</code> of the authorized user or <code>GroupId</code> of the authorized user group, which must be set together with the input parameter <code>FilterTargets</code> .

### 3. Output Parameters

Parameter Name	Type	Description
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.
MaxResults	Integer	Maximum number of data entries per page.
IsTruncated	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
NextToken	String	Token for querying the next page of returned results. Note: This parameter is displayed only when <code>IsTruncated</code> is true.
RoleConfigurations	Array of <a href="#">RoleConfiguration</a>	Permission configuration list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a <code>RequestId</code> ). <code>RequestId</code> is required for locating a problem.

## 4. Example

### Example1 Querying the Permission Configuration List

This example shows you how to query the permission configuration list.

#### Input Example

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

{
  "ZoneId": "z-s9h39sdn2",
  "NextToken": "sisndpmfisdnlk",
  "MaxResults": 10,
  "Filter": "RoleConfigurationName eqTestRoleConfiguration"
}
```

#### Output Example

```
{
  "Response": {
    "TotalCounts": 20,
    "MaxResults": 10,
    "IsTruncated": true,
    "NextToken": "3si2ns92ns82bos",
    "RoleConfigurations": [
      {
        "RoleConfigurationId": "rc-s2ns92ns***",
        "RoleConfigurationName": "test",
        "Description": "this is role configuration",
        "SessionDuration": 900,
        "RelayState": "https://console.intl.cloud.tencent.com",
        "CreateTime": "2019-01-01 12:12:12",
        "UpdateTime": "2019-01-01 12:12:12"
      }
    ],
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```



## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.NextTokenInvalid	Invalid nextToken.
InvalidParameter.ParamError	Parameter error.

# ListPermissionPoliciesInRoleConfiguration

Last updated : 2025-02-26 11:51:38

## 1. API Description

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

This API is used to obtain the policy list in permission configurations.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListPermissionPoliciesInRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
RolePolicyType	No	String	Permission policy type. Valid values: System: system policy, namely the CAM system policy reused; Custom: custom policy, namely the custom policy prepared according to the CAM permission policy syntax and structure.
Filter	No	String	Search by policy name.

### 3. Output Parameters

Parameter Name	Type	Description
TotalCounts	Integer	Total number of permission policies.
RolePolicies	Array of <a href="#">RolePolicie</a>	Permission policy list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtaining the Policy List in Permission Configurations

This example shows you how to obtain the policy list in permission configurations.

#### Input Example

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

{
  "ZoneId": "z-d83js823n",
  "RoleConfigurationId": "rc-s93jw3ns",
  "RolePolicyType": "System"
}
```

#### Output Example

```
{
  "Response": {
    "TotalCounts": 20,
    "RolePolicies": [
      {
        "RolePolicyName": "adminPolciy",
        "RolePolicyType": "System",

```

```
"RolePolicyDocument": "",
"AddTime": "2020-01-01 12:12:12"
},
],
"RequestId": "e297543a-80de-4039-83c8-9d324545"
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.

# GetRoleConfiguration

Last updated : 2025-02-26 11:51:38

## 1. API Description

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

This API is used to query the permission configuration information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.

## 3. Output Parameters

Parameter Name	Type	Description
RoleConfigurationInfo	<a href="#">RoleConfiguration</a>	Permission configuration 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 Permission Configuration Information

This example shows you how to query the permission configuration information.

#### Input Example

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

{
  "ZoneId": "z-2s2osm2***",
  "RoleConfigurationId": "rc-odmo23w"
}
```

#### Output Example

```
{
  "Response": {
    "RoleConfigurationInfo": {
      "RoleConfigurationId": "rc-s2ns92ns***",
      "RoleConfigurationName": "test",
      "Description": "this is role configuration",
      "SessionDuration": 900,
      "RelayState": "https://console.intl.cloud.tencent.com",
      "CreateTime": "2019-01-01 12:12:12",
      "UpdateTime": "2019-01-01 12:12:12"
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneIdNotExist	The user zoneId of the CIC service does not exist.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.

# RemovePermissionPolicyFromRoleConfiguration

Last updated : 2025-02-26 11:51:37

## 1. API Description

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

This API is used to remove policies from permission configurations.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: RemovePermissionPolicyFromRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
RolePolicyType	Yes	String	Permission policy type. Valid values: System: system policy, namely the CAM system policy reused; Custom: custom policy, namely the custom policy prepared according to the CAM permission policy syntax and structure.
RolePolicyName	No	String	Permission policy name, which contains up to 32 characters.



RolePolicyId	No	Integer	Policy ID.
--------------	----	---------	------------

### 3. Output Parameters

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

### 4. Example

#### Example1 Removing Policies from Permission Configurations

This example shows you how to remove policies from permission configurations.

##### Input Example

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

{
  "ZoneId": "z-djw9dn3i****",
  "RoleConfigurationId": "rc-swiddws***",
  "RolePolicyType": "System",
  "RolePolicyName": "test "
}
```

##### Output Example

```
{
  "Response": {
    "RequestId": "2ccd7ed1-24b4-4882-8f4a-5580b430bce7"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneIdNotExist	The user zoneid of the CIC service does not exist.
InvalidParameter.ParamError	Parameter error.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.
InvalidParameter.RolePolicyNotExist	The policy does not exist.

# UpdateCustomPolicyForRoleConfiguration

Last updated : 2025-02-26 11:51:36

## 1. API Description

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

This API is used to modify a custom policy for permission configurations.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateCustomPolicyForRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
CustomPolicyName	Yes	String	Permission policy name, which contains up to 32 characters.
NewCustomPolicyDocument	No	String	Custom policy content, which contains up to 4096 characters. When RolePolicyType is Inline, this parameter must be configured. For details, see the permission policy syntax and structure.

### 3. Output Parameters

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

### 4. Example

#### Example1 Modifying a Custom Policy for Permission Configurations

This example shows you how to modify a custom policy for permission configurations.

##### Input Example

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

{
  "ZoneId": "z-fdk3o32kqw",
  "RoleConfigurationId": "rc-sin23wj29s",
  "CustomPolicyName": "test",
  "NewCustomPolicyDocument": "{\"statement\":{\"action\":[\"name/cvm:*\", \"name/vpc:*\", \"name/cos:*\", \"name/cmqttopic:*\", \"name/cmqueue:*\"], \"effect\": \"allow\", \"resource\": \"*\"}, \"version\": \"2.0\"}"
}
```

##### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.PolicyDocumentEmpty	The custom policy content cannot be empty.
InvalidParameter.PolicyTypeError	Errors occurred when the policy type is modified. Only custom policies can be modified.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.
InvalidParameter.RolePolicyNotExist	The policy does not exist.

# UpdateRoleConfiguration

Last updated : 2025-02-26 11:51:36

## 1. API Description

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

This API is used to modify the permission configuration information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
NewDescription	No	String	New permission configuration description, which contains up to 1,024 characters.
NewSessionDuration	No	Integer	New session duration, in seconds. It is the maximum time a CIC user can maintain a session while using permission configurations to access a target account in TCO. Value range: 900 to 43200 (15 minutes to 12 hours).

NewRelayState	No	String	New initial access page. It is the initial page address when a CIC user uses permission configurations to access a target account in TCO. This page must be a Tencent Cloud console page.
---------------	----	--------	---

### 3. Output Parameters

Parameter Name	Type	Description
RoleConfigurationInfo	<a href="#">RoleConfiguration</a>	Permission configuration 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 Modifying the Permission Configuration Information

This example shows you how to modify the permission configuration information.

#### Input Example

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

{
  "ZoneId": "z-22m23mo2",
  "RoleConfigurationId": "rc-ai3n9si2m",
  "NewDescription": "this is role configuration",
  "NewSessionDuration": 900,
  "NewRelayState": "https://console.intl.cloud.tencent.com"
}
```

#### Output Example

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

```
"RoleConfigurationInfo": {
  "RoleConfigurationId": "rc-s2ns92ns***",
  "RoleConfigurationName": "test",
  "Description": "this is role configuration",
  "SessionDuration": 900,
  "RelayState": "https://consoleintl.cloud.tencent.com",
  "CreateTime": "2019-01-01 12:12:12",
  "UpdateTime": "2019-01-01 12:12:12"
},
"RequestId": "e297543a-80de-4039-83c8-9d324545"
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.



---

FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.

# AddPermissionPolicyToRoleConfiguration

Last updated : 2025-02-26 11:51:40

## 1. API Description

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

This API is used to add policies to permission configurations.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AddPermissionPolicyToRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
ZoneId	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
RolePolicyType	Yes	String	Permission policy type. Valid values: System: system policy, namely the CAM system policy reused; Custom: custom policy, namely the custom policy prepared according to the CAM permission policy syntax and structure.
RolePolicyNames.N	No	Array of	Permission policy name, supporting up to 20 policies,

		String	with each policy having a maximum of 32 characters. If you need to add a system policy, it is recommended to use the RolePolicies parameter. For custom policies, the array length is up to 1.
RolePolicies.N	No	Array of <a href="#">PolicyDetail</a>	Details of an added system policy.
CustomPolicyDocument	No	String	Custom policy content, which contains up to 4096 characters. When RolePolicyType is Inline, this parameter must be configured. For details, see the permission policy syntax and structure.

### 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 This example shows you how to add policies to permission configurations.

This example shows you how to add policies to permission configurations.

#### Input Example

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

```
{
  "ZoneId": "z-29wm2iwn",
  "RoleConfigurationId": "rc-aiwmsiw",
  "RolePolicyType": "System",
```

```
"RolePolicyNames": [
  "TestPolicy"
],
"CustomPolicyDocument": "{ \"statement\": { \"action\": [ \"name/cvm:*\", \"name/vpc:*\", \"name/cos:*\", \"name/cmqttopic:*\", \"name/cmqueue:*\" ], \"effect\": \"allow\", \"resource\": \"*\" }, \"version\": \"2.0\" }"
```

### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.CustomPolicyOverUpperLimit	Custom policies bound to the permission configuration exceed the upper limit.
FailedOperation.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.SystemPolicyOverUpperLimit	System policies bound to the permission configuration exceed the upper limit.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.BindPolicyNameNotAllowed	The permission configuration cannot be bound to this policy.
InvalidParameter.ParamError	Parameter error.
InvalidParameter.PolicyDocumentEmpty	The custom policy content cannot be empty.
InvalidParameter.PolicyNameAlreadyExists	The policy name already exists.
InvalidParameter.PolicyNameSizeOverUpperLimit	The policy name exceeds the length limit.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.

# DeleteRoleConfiguration

Last updated : 2025-02-26 11:51:39

## 1. API Description

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

This API is used to delete the permission configuration information.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.

## 3. Output Parameters

Parameter Name	Type	Description

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

## 4. Example

### Example1 Deleting the Permission Configuration Information

This example shows you how to delete the permission configuration information.

#### Input Example

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

{
  "ZoneId": "z-2jsoi3ms",
  "RoleConfigurationId": "rc-ais2ismwo2"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DBOperationError	SQL execution error.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.RoleConfigurationProvisioningAlreadyDeployed	The access configuration has been deployed to member accounts.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.
InvalidParameter.RolePolicyAlreadyExist	The permission configuration still contains policies.



# Identity Center Multi-Account Authorization Management APIs

## CreateRoleAssignment

Last updated : 2025-02-26 11:51:42

### 1. API Description

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

This API is used to grant authorizations on member accounts.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateRoleAssignment.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleAssignmentInfo.N	No	Array of <a href="#">RoleAssignmentInfo</a>	Authorized member account information, up to 50 entries.

### 3. Output Parameters

Parameter Name	Type	Description
Tasks	Array of <a href="#">TaskInfo</a>	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 Granting Authorizations on Member Accounts

This example shows you how to grant authorizations on member accounts.

#### Input Example

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

{
  "ZoneId": "z-djw83n***",
  "RoleAssignmentInfo": [
    {
      "RoleConfigurationId": "rc-sjsiw2***",
      "TargetType": "MemberUin",
      "TargetUin": 1000023222,
      "PrincipalType": "User",
      "PrincipalId": "u-0829jd8d***"
    }
  ]
}
```

#### Output Example

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

```
"Tasks": [  
  {  
    "TaskId": "t-sowmiwm",  
    "RoleConfigurationId": "r-sjsosmsss",  
    "RoleConfigurationName": "test",  
    "TargetUin": 10000323432,  
    "TargetType": "MemberUin",  
    "PrincipalId": "u-djiem3o***",  
    "PrincipalType": "User",  
    "TaskType": "CreateRoleAssignment",  
    "Status": "InProgress"  
  }  
],  
"RequestId": "10accfa5-15ed-41fa-9e09-7efffd8e9345"  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.OrganizationMemberNotExist	The member account does not exist.
FailedOperation.RoleConfigurationAuthorizationAlreadyExist	The permission authorization already exists.
FailedOperation.RoleConfigurationAuthorizationOverLimit	The number of permission configuration authorizations exceeds the limit.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.GroupNotExist	The user group does not exist.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.
LimitExceeded.CreateRoleAssignmentLimitExceeded	Requests for creating permission configurations exceed the limit.
ResourceNotFound.UserNotExist	The user does not exist.

# DeleteRoleAssignment

Last updated : 2025-02-26 11:51:42

## 1. API Description

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

This API is used to remove authorizations on member accounts.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteRoleAssignment.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
TargetType	Yes	String	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
TargetUin	Yes	Integer	UIN of the target account of the Tencent Cloud Organization.
PrincipalType	Yes	String	Identity types synchronized for CAM users. Valid values: User: indicates the synchronized identity is a user. Group: indicates

			the synchronized identity is a user group.
PrincipalId	Yes	String	User synchronization ID. Valid values: When PrincipalType is Group, it is a user group ID (g-). <b>When PrincipalType is User, it is a user ID (u-).</b>
DeprovisionStrategy	No	String	Whether to remove the permission configuration deployment when removing the last authorization with a certain permission configuration from a target account in TCO. Valid values: DeprovisionForLastRoleAssignmentOnAccount: Remove the permission configuration deployment. None (default): Do not remove the permission configuration deployment.

### 3. Output Parameters

Parameter Name	Type	Description
Task	<a href="#">TaskInfo</a>	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 Removing Authorizations on Member Accounts

This example shows you how to remove authorizations on member accounts.

#### Input Example

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

{
  "ZoneId": "z-2ms923mw",
  "RoleConfigurationId": "rc-smw9em32",
  "TargetType": "MemberUin",
  "TargetUin": 10000332,
```

```
"PrincipalType": "User",
"PrincipalId": "u-siwnwiene",
"DeprovisionStrategy": "DeprovisionForLastRoleAssignmentOnAccount"
}
```

## Output Example

```
{
  "Response": {
    "Task": {
      "TaskId": "t-0md93jfd3",
      "RoleConfigurationId": "rc-dsk3323",
      "RoleConfigurationName": "test",
      "TargetUin": 100032333,
      "TargetType": "MemberUin",
      "PrincipalId": "u-siwnwiene",
      "PrincipalType": "User",
      "TaskType": "DeleteRolesAssignment",
      "Status": "InProgress"
    },
    "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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.RoleConfigurationAuthorizationNotFound	The permission authorization record does not exist.



# DismantleRoleConfiguration

Last updated : 2025-02-26 11:51:42

## 1. API Description

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

This API is used to undeploy permission configurations on member accounts.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DismantleRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
TargetType	Yes	String	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
TargetUin	Yes	Integer	UIN of the synchronized target account of the Tencent Cloud Organization.

### 3. Output Parameters

Parameter Name	Type	Description
Task	<a href="#">RoleProvisioningsTask</a>	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 Undeploying Permission Configurations on Member Accounts

This example shows you how to undeploy permission configurations on member accounts.

#### Input Example

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

{
  "ZoneId": "z-disanisa",
  "RoleConfigurationId": "rc-daosmqa",
  "TargetType": "Member",
  "TargetUin": 1000023292
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "d95c7cc0-195d-4818-aa3a-e7dc73eafe37",
    "Task": {
      "RoleConfigurationId": "rc-4plmus8fdfsb",
      "RoleConfigurationName": "testConfiguration1",
      "TargetType": "MemberUin",
      "TargetUin": 700000145543,
    }
  }
}
```

```
"TaskId": "t-2xdmzwphpsbd",
"TaskStatus": "InProgress",
"TaskType": "CreateRoleAssignment"
}
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.OrganizationMemberNotExist	The member account does not exist.
FailedOperation.RoleConfigurationAuthorizationExist	The permission configuration authorization exists.
FailedOperation.RoleConfigurationProvisioningStatusError	The permission configuration synchronization has a status error.

---

FailedOperation.ZoneIdNotExist	The user zoneId of the CIC service does not exist.
ResourceNotFound.RoleConfigurationProvisioningNotFound	The permission configuration synchronization does not exist.

# ProvisionRoleConfiguration

Last updated : 2025-02-26 11:51:40

## 1. API Description

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

This API is used to deploy permission configurations on member accounts.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ProvisionRoleConfiguration.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	Yes	String	Permission configuration ID.
TargetType	Yes	String	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
TargetUin	Yes	Integer	UIN of the target account of the Tencent Cloud Organization.

### 3. Output Parameters

Parameter Name	Type	Description
Task	<a href="#">RoleProvisioningsTask</a>	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 Deploying Permission Configurations to Member Accounts

This example shows you how to deploy permission configurations to member accounts.

#### Input Example

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

{
  "ZoneId": "z-disndw****",
  "RoleConfigurationId": "rc-sians9wn****",
  "TargetType": "MemberUin",
  "TargetUin": 10000293120
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "d95c7cc0-195d-4818-aa3a-e7dc73eafe37",
    "Task": {
      "RoleConfigurationId": "rc-4plmus8fdfsb",
      "RoleConfigurationName": "testConfiguration1",
      "TargetType": "MemberUin",
      "TargetUin": 700000145543,
    }
  }
}
```

```
"TaskId": "t-2xdmzwphpsbd",
"TaskStatus": "InProgress",
"TaskType": "CreateRoleAssignment"
}
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.OrganizationMemberNotExist	The member account does not exist.
FailedOperation.UserOverUpperLimit	Users created exceed the upper limit.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.EmailAlreadyExists	The email address already exists.

---

InvalidParameter.UsernameAlreadyExists	The username already exists.
InvalidParameter.UsernameFormatError	The username has a format error.



# ListRoleAssignments

Last updated : 2025-02-26 11:51:41

## 1. API Description

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

This API is used to query the authorization list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListRoleAssignments.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
RoleConfigurationId	No	String	Permission configuration ID.
MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.
NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the

			return parameter <code>IsTruncated</code> is true and a <code>NextToken</code> is returned. You can use the <code>NextToken</code> returned last time to continue calling the API with other request parameters unchanged, to query the truncated data. You can use this method for multiple queries until <code>IsTruncated</code> is false, indicating that all data has been queried.
<code>TargetType</code>	No	String	Type of the synchronized target account of the Tencent Cloud Organization. <code>ManagerUin</code> : admin account; <code>MemberUin</code> : member account.
<code>TargetUin</code>	No	Integer	UIN of the synchronized target account of the Tencent Cloud Organization.
<code>PrincipalType</code>	No	String	Identity types synchronized for CAM users. Valid values: <code>User</code> : indicates the synchronized identity is a user. <code>Group</code> : indicates the synchronized identity is a user group.
<code>PrincipalId</code>	No	String	User synchronization ID. Valid values: When <code>PrincipalType</code> is <code>Group</code> , it is a user group ID (g-). <b>When <code>PrincipalType</code> is <code>User</code>, it is a user ID (u-).</b>
<code>Filter</code>	No	String	Query condition, which currently only supports search by permission configuration name.

### 3. Output Parameters

Parameter Name	Type	Description
<code>NextToken</code>	String	Token for querying the next page of returned results. Note: This parameter is displayed only when <code>IsTruncated</code> is true.
<code>TotalCounts</code>	Integer	Total number of data entries that meet the request parameter conditions.
<code>MaxResults</code>	Integer	Maximum number of data entries per page.
<code>IsTruncated</code>	Boolean	Whether the returned result is truncated. Valid values: <code>true</code> : truncated; <code>false</code> : not truncated.
<code>RoleAssignments</code>	Array of <a href="#">RoleAssignments</a>	Authorization list of the target account of the Tencent Cloud Organization.
<code>RequestId</code>	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 Authorization List

This example shows you how to query the authorization list.

#### Input Example

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

{
  "ZoneId": "z-ssmdsowm**",
  "RoleConfigurationId": "rc2-as245usjrm",
  "MaxResults": 30,
  "NextToken": "",
  "TargetType": "MemeberUin",
  "TargetUin": "10000238922",
  "PrincipalType": "User",
  "PrincipalId": "u-ss342md**"
}
```

#### Output Example

```
{
  "Response": {
    "NextToken": "abc",
    "TotalCounts": 30,
    "MaxResults": 10,
    "IsTruncated": true,
    "RoleAssignments": [
      {
        "RoleConfigurationId": "ec-swidn****",
        "RoleConfigurationName": "test",
        "TargetUin": 100000322,
        "TargetType": "MemberUin",
        "TargetName": "test",
        "PrincipalId": "u-ssiisn***",

```

```
"PrincipalType": "User",
"PrincipalName": "testConfig",
"CreateTime": "2024-01-01 12:12:12",
"UpdateTime": "2024-01-01 12:12:12"
},
"RequestId": "e297543a-80de-4039-83c8-9d324545"
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.NextTokenInvalid	Invalid nextToken.

InvalidParameter.ParamError

Parameter error.

# ListTasks

Last updated : 2025-02-26 11:51:40

## 1. API Description

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

This API is used to query the async task list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListTasks.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
PrincipalId	No	String	User synchronization ID. Valid values: When PrincipalType is Group, it is a user group ID (g-). <b>When PrincipalType is User, it is a user ID (u-).</b>
NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to

			continue calling the API with other request parameters unchanged, to query the truncated data. You can use this method for multiple queries until <code>IsTruncated</code> is false, indicating that all data has been queried.
MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.
PrincipalType	No	String	Identity types synchronized for CAM users. Valid values: User: indicates the synchronized identity is a user. Group: indicates the synchronized identity is a user group.
TargetUin	No	Integer	UIN of the synchronized target account of the Tencent Cloud Organization.
TargetType	No	String	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
RoleConfigurationId	No	String	Permission configuration ID.
Status	No	String	InProgress: The task is being executed; Success: The task execution succeeded; Failed: The task execution failed.
TaskType	No	String	Task type.

### 3. Output Parameters

Parameter Name	Type	Description
NextToken	String	Token for querying the next page of returned results. Note: This parameter is displayed only when <code>IsTruncated</code> is true.
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.
MaxResults	Integer	Maximum number of data entries per page.
IsTruncated	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
Tasks	Array of <a href="#">TaskInfo</a>	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 Querying the Async Task List

This example shows you how to query the async task list.

#### Input Example

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

{
  "ZoneId": "z-djwidwidj",
  "PrincipalId": "u-xj8sncidnc",
  "NextToken": "xownw8db38dbe8fne===",
  "MaxResults": 1,
  "PrincipalType": "User",
  "TargetUin": 1000023423,
  "TargetType": "Member",
  "RoleConfigurationId": "rc-xjw9dsmw",
  "Status": "InProgress",
  "TaskType": "CreateRoleAssignment"
}
```

#### Output Example

```
{
  "Response": {
    "NextToken": "abc",
    "TotalCounts": 0,
    "MaxResults": 0,
    "IsTruncated": true,
    "Tasks": [
      {
        "TaskId": "t-xsinsxinsdk",
        "RoleConfigurationId": "rc-xmw9xjdsd",
        "RoleConfigurationName": "Configuration",
        "TargetUin": 1000232234,

```



```
"TargetType": "User",
"PrincipalId": "u-xm89dnsujs",
"PrincipalType": "Member",
"TaskType": "CreateRoleAssignment",
>Status": "InProgress",
"FailureReason": "test"
}
],
"RequestId": "e297543a-80de-4039-83c8-9d35d4545"
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.

InvalidParameter.NextTokenInvalid

Invalid nextToken.

# GetTaskStatus

Last updated : 2025-02-26 11:51:41

## 1. API Description

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

This API is used to query the status of async tasks.

A maximum of 220 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetTaskStatus.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
TaskId	Yes	String	Task ID.

## 3. Output Parameters

Parameter Name	Type	Description
TaskStatus	<a href="#">TaskStatus</a>	Task status 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 Status of Async Tasks

This example shows you how to query the status of async tasks.

#### Input Example

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

{
  "ZoneId": "z-dsiwnw***",
  "TaskId": "t-duxj***"
}
```

#### Output Example

```
{
  "Response": {
    "TaskStatus": {
      "Status": "Success",
      "TaskId": "z-dksodm***",
      "TaskType": "ProvisionRoleConfiguration",
      "FailureReason": "fielded"
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.RoleConfigurationTaskNotFound	The permission configuration task does not exist.

# Identity Center Sub-User Synchronization Management APIs

## ListUserSyncProvisionings

Last updated : 2025-02-26 11:51:31

### 1. API Description

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

This API is used to query the CAM user synchronization list.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListUserSyncProvisionings.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
PrincipalId	No	String	User synchronization ID. Valid values: When PrincipalType is Group, it is a user group ID (g-). <b>When PrincipalType is User, it is a user ID (u-).</b>

NextToken	No	String	Token for querying the next page of returned results. During use of the API for the first time, NextToken is not needed. When you call the API for the first time, if the total number of returned data entries exceeds the MaxResults limit, the data is truncated and only MaxResults data entries are returned. Meanwhile, the return parameter IsTruncated is true and a NextToken is returned. You can use the NextToken returned last time to continue calling the API with other request parameters unchanged, to query the truncated data. You can use this method for multiple queries until IsTruncated is false, indicating that all data has been queried.
MaxResults	No	Integer	Maximum number of data entries per page. Value range: 1-100. Default value: 10.
PrincipalType	No	String	Identity types synchronized for CAM users. Valid values: User: indicates the synchronized identity is a user. Group: indicates the synchronized identity is a user group.
TargetUin	No	Integer	UIN of the target account of the Tencent Cloud Organization.
TargetType	No	String	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
Filter	No	String	Detection condition.

### 3. Output Parameters

Parameter Name	Type	Description
NextToken	String	Token for querying the next page of returned results. Note: This parameter is displayed only when IsTruncated is true.
TotalCounts	Integer	Total number of data entries that meet the request parameter conditions.
MaxResults	Integer	Maximum number of data entries per page.
IsTruncated	Boolean	Whether the returned result is truncated. Valid values: true: truncated; false: not truncated.
UserProvisionings	Array of <a href="#">UserProvisioning</a>	User list of the CAM synchronization.
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 CAM User Synchronization List

This example shows you how to query the CAM user synchronization list.

#### Input Example

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

{
  "ZoneId": "z-dsjsisnus",
  "PrincipalId": "u-sjs9smss",
  "NextToken": "",
  "MaxResults": 10,
  "PrincipalType": "User",
  "TargetUin": 100003324902,
  "TargetType": "MemberUin",
  "Filter": "test"
}
```

#### Output Example

```
{
  "Response": {
    "NextToken": "OTM0YzE4MzY2ZjdhMWM0MYZDhnYaxsiYTLI=",
    "TotalCounts": 30,
    "MaxResults": 10,
    "IsTruncated": true,
    "UserProvisionings": [
      {
        "UserProvisioningId": "up-siwnei3nso",
        "Description": "this is cam user sync",
        "Status": "Enabled",
        "PrincipalId": "u-swnd8wn3",
        "PrincipalName": "test",

```



```
"PrincipalType": "User",
"TargetUin": "10000338332",
"TargetName": "test",
"DuplicationStrategy": "KeepBoth",
"DeletionStrategy": "Delete",
"CreateTime": "2024-01-01 12:12:12",
"UpdateTime": "2024-01-01 12:12:12",
"TargetType": "MemberUin"
}
],
"RequestId": "e297543a-80de-4039-83c8-9d35d4545"
}
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.

---

FailedOperation.ZoneIdNotExist	The user zoneId of the CIC service does not exist.
InvalidParameter.NextTokenInvalid	Invalid nextToken.

# CreateUserSyncProvisioning

Last updated : 2025-02-26 11:51:32

## 1. API Description

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

This API is used to create sub-user synchronization tasks.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateUserSyncProvisioning.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserSyncProvisionings.N	Yes	Array of <a href="#">UserSyncProvisioning</a>	CAM user synchronization information.

## 3. Output Parameters

--	--	--

Parameter Name	Type	Description
Tasks	Array of <a href="#">UserProvisioningsTask</a>	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 Creating Sub-User Synchronization Tasks

This example shows you how to create sub-user synchronization tasks.

#### Input Example

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

{
  "ZoneId": "z-di3nd8e***",
  "UserSyncProvisionings": [
    {
      "DuplicationStrategy": "KeepBoth",
      "DeletionStrategy": "Delete",
      "Description": "this is cam user sync provisioning",
      "PrincipalId": "u-sienmcien",
      "PrincipalType": "User",
      "TargetType": "MemberUin",
      "TargetUin": 1000234382342
    }
  ]
}
```

#### Output Example

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

```
"Tasks": [
{
  "TaskId": "t-duedin****",
  "TargetUin": 1000289211,
  "TargetType": "MemberUin",
  "TaskType": "StartProvisioning",
  "TaskStatus": "InProgress",
  "UserProvisioningId": "upe-d8n3d9****",
  "PrincipalId": "u-dend83****",
  "PrincipalType": "User",
  "PrincipalName": "test",
  "DuplicationStrategy": "KeepBoth",
  "DeletionStrategy": "Delete"
},
],
"RequestId": "e297543a-80de-4039-83c8-34545s45"
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OrganizationMemberNotExist	The member account does not exist.
FailedOperation.UserProvisioningAlreadyExists	The user synchronization already exists.
FailedOperation.UserProvisioningOverLimit	The number of synchronized users exceeds the limit.
InvalidParameter.GroupNotExist	The user group does not exist.
LimitExceeded.CreateUserSyncProvisioningLimitExceeded	Requests for creating user synchronization tasks exceed the limit.
ResourceNotFound.UserNotExist	The user does not exist.

# DeleteUserSyncProvisioning

Last updated : 2025-02-26 11:51:32

## 1. API Description

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

This API is used to delete sub-user synchronization tasks.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteUserSyncProvisioning.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserProvisioningId	Yes	String	User synchronization ID.

## 3. Output Parameters

Parameter Name	Type	Description

Tasks	<a href="#">UserProvisioningsTask</a>	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 Deleting Sub-User Synchronization Tasks

This example shows you how to delete sub-user synchronization tasks.

#### Input Example

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

{
  "ZoneId": "z-dssmowmsd",
  "UserProvisioningId": "up-sxins8snds"
}
```

#### Output Example

```
{
  "Response": {
    "Tasks": {
      "TaskId": "t-duedin****",
      "TargetUin": 1000289211,
      "TargetType": "MemberUin",
      "TaskType": "DeleteProvisioning",
      "TaskStatus": "InProgress",
      "UserProvisioningId": "upe-d8n3d9****",
      "PrincipalId": "u-dend83****",
      "PrincipalType": "User",
      "PrincipalName": "test",
      "DuplicationStrategy": "KeepBoth",
      "DeletionStrategy": "Delete"
    },
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
```



```
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.UserProvisioningFailed	The user synchronization failed.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.UserProvisioningNotFound	The user synchronization does not exist.

# GetProvisioningTaskStatus

Last updated : 2025-02-26 11:51:31

## 1. API Description

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

This API is used to query the status of async tasks of user synchronization.

A maximum of 220 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetProvisioningTaskStatus.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
TaskId	Yes	String	Task ID.

## 3. Output Parameters

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

TaskStatus	<a href="#">TaskStatus</a>	Task status 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 Status of Async Tasks of User Synchronization

This example shows you how to query the status of async tasks of user synchronization.

#### Input Example

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

{
  "ZoneId": "z-djw98wnd***",
  "TaskId": "t-d8wj8j3****"
}
```

#### Output Example

```
{
  "Response": {
    "TaskStatus": {
      "Status": "Success",
      "TaskId": "z-dnsudniw****",
      "TaskType": "StartProvisioning",
      "FailureReason": ""
    },
    "RequestId": "e297543a-80de-4039-83c8-9d35d4545"
  }
}
```

## 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.UserProvisioningTaskNotFound	The user synchronization task does not exist.

# GetUserSyncProvisioning

Last updated : 2025-02-26 11:51:31

## 1. API Description

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

This API is used to query the CAM user synchronization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetUserSyncProvisioning.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserProvisioningId	Yes	String	ID of the CAM user synchronization.

## 3. Output Parameters

Parameter Name	Type	Description

UserProvisioning	UserProvisioning	CAM user synchronization 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 CAM User Synchronization

This example shows you how to query the CAM user synchronization.

#### Input Example

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

{
  "ZoneId": "z-dimd3d***",
  "UserProvisioningId": "up-imei3rdiem"
}
```

#### Output Example

```
{
  "Response": {
    "UserProvisioning": {
      "UserProvisioningId": "up-siwnei3nso",
      "Description": "this is cam user sync",
      "Status": "Enabled",
      "PrincipalId": "u-swnd8wn3",
      "PrincipalName": "test",
      "PrincipalType": "User",
      "TargetUin": "10000338332",
      "TargetName": "test",
      "TargetType": "MemberUin",
      "DuplicationStrategy": "KeepBoth",
      "DeletionStrategy": "Delete",
      "CreateTime": "2024-01-01 12:12:12",
      "UpdateTime": "2024-01-01 12:12:12"
    }
  }
}
```

```
} ,  
"RequestId": "e297543a-80de-4039-83c8-9d324545"  
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
ResourceNotFound.UserProvisioningNotFound	The user synchronization does not exist.

# UpdateUserSyncProvisioning

Last updated : 2025-02-26 11:51:30

## 1. API Description

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

This API is used to create sub-user synchronization tasks.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateUserSyncProvisioning.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2021-03-31.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required.
Zoneld	Yes	String	Space ID.
UserProvisioningId	Yes	String	User synchronization ID.
NewDescription	No	String	User synchronization description.
NewDuplicationStateful	No	String	Conflict policy. It indicates the handling policy for existence of a user with the same username when CIC users are synchronized to CAM. Valid values: KeepBoth: Keep both, that is, add the <code>_cic</code> suffix to the CIC user's username and then try to create a CAM user with the username when CIC users are synchronized to CAM and a user with the same



			username already exists in CAM; TakeOver: Replace, that is, directly replace the existing CAM user with the synchronized CIC user when CIC users are synchronized to CAM and a user with the same username already exists in CAM.
NewDeletionStrategy	No	String	Deletion policy. It indicates the handling policy for CAM users already synchronized when the CAM user synchronization is deleted. Valid values: Delete: Delete the CAM users already synchronized from CIC to CAM when the CAM user synchronization is deleted; Keep: Keep the CAM users already synchronized from CIC to CAM when the CAM user synchronization is deleted.

### 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 CAM User Synchronization

This example shows you how to modify the CAM user synchronization.

#### Input Example

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

{
  "ZoneId": "z-susn8xnsis",
  "UserProvisioningId": "up-xusj djsss",
  "NewDescription": "this is cam user sync",
  "NewDuplicationStateful": "KeepBoth",
```

```
"NewDeletionStrategy": "Delete"
}
```

### Output Example

```
{
  "Response": {
    "RequestId": "e297543a-80de-4039-83c8-9d324545"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.

ResourceNotFound.UserProvisioningNotFound

The user synchronization does not exist.

# Data Types

Last updated : 2025-02-26 11:51:51

## AuthRelationFile

Real-name mutual trust application proof file.

Used by actions: InviteOrganizationMember.

Name	Type	Required	Description
Name	String	Yes	File name. Note: This field may return null, indicating that no valid values can be obtained.
Url	String	Yes	File path. Note: This field may return null, indicating that no valid values can be obtained.

## GroupInfo

User group information.

Used by actions: CreateGroup, GetGroup, ListGroups, UpdateGroup.

Name	Type	Required	Description
GroupName	String	No	User group name.
Description	String	No	User group description.
CreateTime	String	No	Creation time of the user group.
GroupType	String	No	User group type. Manual: manually created; Synchronized: externally imported.
UpdateTime	String	No	Modification time of the user group.
GroupId	String	No	User group ID.
MemberCount	Integer	No	Number of group members.
IsSelected	Boolean	No	If the input parameter FilterUsers is provided, return true when the user is in the user group; otherwise, return false.

## GroupMembers

User information.

Used by actions: ListGroupMembers.

Name	Type	Required	Description
UserName	String	No	Queried username.
DisplayName	String	No	Display name of the user.
Description	String	No	User description.
Email	String	No	Email address of the user, which must be unique within the directory.
UserStatus	String	No	User status: Enabled, Disabled.
UserType	String	No	User type. Manual: manually created; Synchronized: externally imported.
UserId	String	No	User ID.
JoinTime	String	No	Time when the user joins the user group.

## IdentityPolicy

Organization identity policy

Used by actions: CreateOrganizationIdentity, ListOrganizationIdentity, UpdateOrganizationIdentity.

Name	Type	Required	Description
PolicyId	Integer	No	CAM preset policy ID, which is valid and required when PolicyType is a preset policy.
PolicyName	String	No	CAM preset policy name, which is valid and required when PolicyType is a preset policy.
PolicyType	Integer	No	Policy type. Valid values: 1 (custom policy), 2 (preset policy). The default is 2. Note: This field may return null, indicating that no valid values can be obtained.

PolicyDocument	String	No	Custom policy content, which follows the CAM policy syntax. It is valid and required when PolicyType is a custom policy. Note: This field may return null, indicating that no valid values can be obtained.
----------------	--------	----	--

## JoinedGroups

User group joined by the user.

Used by actions: ListJoinedGroupsForUser.

Name	Type	Required	Description
GroupName	String	No	User group name.
Description	String	No	User group description.
GroupId	String	No	User group ID.
GroupType	String	No	User group type. Valid values:  Manual: manually created. Synchronized: externally synchronized.
JoinTime	String	No	Time of joining the user group.

## ManagerShareUnit

Details of my shared unit list

Used by actions: DescribeShareUnits.

Name	Type	Description
UnitId	String	Shared unit ID.
Name	String	Shared unit name.
Uin	Integer	Shared unit administrator UIN.
OwnerUin	Integer	Shared unit administrator OwnerUin.
Area	String	Shared unit region.

Description	String	Description.  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.
ShareResourceNum	Integer	The number of resources in a shared unit. Note: This field may return null, indicating that no valid values can be obtained.
ShareMemberNum	Integer	The number of members in a shared unit. Note: This field may return null, indicating that no valid values can be obtained.
ShareScope	Integer	Sharing scope. Valid values: 1: Only sharing within a group organization is allowed; 2: Sharing with any account is allowed. Note: This field may return null, indicating that no valid values can be obtained.

## MemberIdentity

Member management identity

Used by actions: DescribeOrganizationMembers.

Name	Type	Description
IdentityId	Integer	Identity ID. Note: This field may return null, indicating that no valid values can be obtained.
IdentityAliasName	String	Identity name. Note: This field may return null, indicating that no valid values can be obtained.

## MemberMainInfo

Main member information.

Used by actions: ListOrgServiceAssignMember.

--	--	--

Name	Type	Description
MemberUin	Integer	Member UIN Note: This field may return null, indicating that no valid values can be obtained.
MemberName	String	Member name j. Note: This field may return null, indicating that no valid values can be obtained.

## NodeMainInfo

Main department information.

Used by actions: ListOrgServiceAssignMember.

Name	Type	Description
NodeId	Integer	Department ID Note: This field may return null, indicating that no valid values can be obtained.
NodeName	String	Department name. Note: This field may return null, indicating that no valid values can be obtained.

## OrgIdentity

Organization identity

Used by actions: ListOrganizationIdentity.

Name	Type	Description
IdentityId	Integer	Identity ID. Note: This field may return null, indicating that no valid values can be obtained.
IdentityAliasName	String	Identity name. Note: This field may return null, indicating that no valid values can be obtained.
Description	String	Description. Note: This field may return null, indicating that no valid values can be obtained.
IdentityPolicy	Array of	Identity policy.



	<a href="#">IdentityPolicy</a>	Note: This field may return null, indicating that no valid values can be obtained.
IdentityType	Integer	Identity type. Valid values: <code>1</code> (preset); <code>2</code> (custom). Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time. Note: This field may return null, indicating that no valid values can be obtained.

## OrgMember

Organization member

Used by actions: DescribeOrganizationMembers.

Name	Type	Description
MemberUin	Integer	Member UIN Note: This field may return null, indicating that no valid values can be obtained.
Name	String	Member name Note: This field may return null, indicating that no valid values can be obtained.
MemberType	String	Member type. Valid values: <code>Invite</code> (invited); <code>Create</code> (created). Note: This field may return null, indicating that no valid values can be obtained.
OrgPolicyType	String	Relationship policy type Note: This field may return null, indicating that no valid values can be obtained.
OrgPolicyName	String	Relationship policy name Note: This field may return null, indicating that no valid values can be obtained.
OrgPermission	Array of <a href="#">OrgPermission</a>	Relationship policy permission Note: This field may return null, indicating that no valid values can be obtained.
NodeId	Integer	Node ID Note: This field may return null, indicating that no valid values can be

		obtained.
NodeName	String	Node name 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.
CreateTime	String	Creation time Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time Note: This field may return null, indicating that no valid values can be obtained.
IsAllowQuit	String	Whether the member is allowed to leave. Valid values: <code>Allow</code> , <code>Denied</code> . Note: This field may return null, indicating that no valid values can be obtained.
PayUin	String	Payer UIN Note: This field may return null, indicating that no valid values can be obtained.
PayName	String	Payer name Note: This field may return null, indicating that no valid values can be obtained.
OrgIdentity	Array of <a href="#">MemberIdentity</a>	Management identity Note: This field may return null, indicating that no valid values can be obtained.
BindStatus	String	Security information binding status. Valid values: <code>Unbound</code> , <code>Valid</code> , <code>Success</code> , <code>Failed</code> . Note: This field may return null, indicating that no valid values can be obtained.
PermissionStatus	String	Member permission status. Valid values: <code>Confirmed</code> , <code>UnConfirmed</code> . Note: This field may return null, indicating that no valid values can be obtained.
Tags	Array of <a href="#">Tag</a>	Member tag list. Note: This field may return null, indicating that no valid values can be

obtained.

## OrgMemberAuthAccount

Authorization relationship between the member and sub-account

Used by actions: DescribeOrganizationMemberAuthAccounts.

Name	Type	Description
OrgSubAccountUin	Integer	Organization sub-account UIN. Note: This field may return null, indicating that no valid values can be obtained.
PolicyId	Integer	Policy ID. Note: This field may return null, indicating that no valid values can be obtained.
PolicyName	String	Policy name. Note: This field may return null, indicating that no valid values can be obtained.
IdentityId	Integer	Identity ID. Note: This field may return null, indicating that no valid values can be obtained.
IdentityRoleName	String	Identity role name. Note: This field may return null, indicating that no valid values can be obtained.
IdentityRoleAliasName	String	Identity role alias. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time. Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time. Note: This field may return null, indicating that no valid values can be obtained.
OrgSubAccountName	String	Sub-account name Note: This field may return null, indicating that no valid values can be obtained.

# OrgMemberAuthIdentity

Authorizable identity of the organization member

Used by actions: DescribeOrganizationMemberAuthIdentities.

Name	Type	Description
IdentityId	Integer	Identity ID. Note: This field may return null, indicating that no valid values can be obtained.
IdentityRoleName	String	Role name of an identity Note: This field may return null, indicating that no valid values can be obtained.
IdentityRoleAliasName	String	Role alias of an identity Note: This field may return null, indicating that no valid values can be obtained.
Description	String	Identity description. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Time of initial configuration success. Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Time of last configuration success. Note: This field may return null, indicating that no valid values can be obtained.
IdentityType	Integer	Identity type. Valid values: 1 (preset identity), 2 (custom identity). Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Configuration status. Valid values: 1 (configuration completed), 2 (reconfiguration required). Note: This field may return null, indicating that no valid values can be obtained.
MemberUin	Integer	Member Uin. Note: This field may return null, indicating that no valid values can be obtained.
MemberName	String	Member name. Note: This field may return null, indicating that no valid values can be

		obtained.
--	--	-----------

## OrgMemberPolicy

Authorized policy of the organization member

Used by actions: DescribeOrganizationMemberPolicies.

Name	Type	Description
PolicyId	Integer	Policy ID. Note: This field may return null, indicating that no valid values can be obtained.
PolicyName	String	Policy name. Note: This field may return null, indicating that no valid values can be obtained.
IdentityId	Integer	Identity ID. Note: This field may return null, indicating that no valid values can be obtained.
IdentityRoleName	String	Identity role name. Note: This field may return null, indicating that no valid values can be obtained.
IdentityRoleAliasName	String	Identity role alias. Note: This field may return null, indicating that no valid values can be obtained.
Description	String	Description. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time. Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time. Note: This field may return null, indicating that no valid values can be obtained.

## OrgNode

## Department

Used by actions: DescribeOrganizationNodes.

Name	Type	Description
NodeId	Integer	Organization node ID Note: This field may return null, indicating that no valid values can be obtained.
Name	String	Name Note: This field may return null, indicating that no valid values can be obtained.
ParentNodeId	Integer	Parent node ID 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.
CreateTime	String	Creation time Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time Note: This field may return null, indicating that no valid values can be obtained.
Tags	Array of <a href="#">Tag</a>	Member tag list. Note: This field may return null, indicating that no valid values can be obtained.

## OrgPermission

Relationship policy permission

Used by actions: DescribeOrganization, DescribeOrganizationMembers.

Name	Type	Description
Id	Integer	Permission ID
Name	String	Permission name

# OrganizationServiceAssign

Organization service settings.

Used by actions: ListOrganizationService.

Name	Type	Description
ServiceId	Integer	Organization service ID. Note: This field may return null, indicating that no valid values can be obtained.
ProductName	String	Organization service product name. Note: This field may return null, indicating that no valid values can be obtained.
IsAssign	Integer	Whether to support delegation. Valid values: 1 (yes), 2 (no). Note: This field may return null, indicating that no valid values can be obtained.
Description	String	Organization service description. Note: This field may return null, indicating that no valid values can be obtained.
MemberNum	String	Number of the current delegated admins. Note: This field may return null, indicating that no valid values can be obtained.
Document	String	Help documentation. Note: This field may return null, indicating that no valid values can be obtained.
ConsoleUrl	String	Console path of the organization service product. Note: This field may return null, indicating that no valid values can be obtained.
IsUsageStatus	Integer	Whether to access the usage status. Valid values: 1 (yes), 2 (no). Note: This field may return null, indicating that no valid values can be obtained.
CanAssignCount	Integer	Limit for the number of delegated admins. Note: This field may return null, indicating that no valid values can be obtained.
Product	String	Organization service product identifier. Note: This field may return null, indicating that no valid values can be

		obtained.
ServiceGrant	Integer	Whether to support organization service authorization. Valid values: 1 (yes), 2 (no). Note: This field may return null, indicating that no valid values can be obtained.
GrantStatus	String	Enabling status of organization service authorization. This field is valid when ServiceGrant is 1. Valid values: Enabled, Disabled. Note: This field may return null, indicating that no valid values can be obtained.
IsSetManagementScope	Integer	Whether to support setting the delegated management scope. Valid values: 1 (yes), 2 (no). Note: This field may return null, indicating that no valid values can be obtained.

## OrganizationServiceAssignMember

Information on the delegated member of the organization service.

Used by actions: ListOrgServiceAssignMember.

Name	Type	Description
ServiceId	Integer	Organization service ID. Note: This field may return null, indicating that no valid values can be obtained.
ProductName	String	Organization service product name. Note: This field may return null, indicating that no valid values can be obtained.
MemberUin	Integer	Uin of the delegated admin. Note: This field may return null, indicating that no valid values can be obtained.
MemberName	String	Name of the delegated admin. Note: This field may return null, indicating that no valid values can be obtained.
UsageStatus	Integer	Activation status. Valid values: 0 (the service has no activation status), 1 (activated), 2 (not activated). Note: This field may return null, indicating that no valid values can be obtained.



CreateTime	String	Delegation time. Note: This field may return null, indicating that no valid values can be obtained.
ManagementScope	Integer	Management scope of the delegated admin. Valid values: 1 (all members), 2 (partial members). Note: This field may return null, indicating that no valid values can be obtained.
ManagementScopeMembers	Array of <a href="#">MemberMainInfo</a>	Uin list of managed members. This parameter is valid when ManagementScope is 2. Note: This field may return null, indicating that no valid values can be obtained.
ManagementScopeNodes	Array of <a href="#">NodeMainInfo</a>	ID list of the managed departments. This parameter is valid when ManagementScope is 2. Note: This field may return null, indicating that no valid values can be obtained.

## PolicyDetail

Policy details.

Used by actions: AddPermissionPolicyToRoleConfiguration.

Name	Type	Required	Description
PolicyId	Integer	Yes	Policy ID.
PolicyName	String	No	Policy name. Note: This field may return null, indicating that no valid values can be obtained.

## ProductResource

Product resources

Used by actions: AddShareUnitResources.

Name	Type	Required	Description
ProductResourceId	String	Yes	Product resource ID.

## RoleAssignmentInfo

Authorized member account information.

Used by actions: CreateRoleAssignment.

Name	Type	Required	Description
PrincipalId	String	No	Identity ID for the CAM user synchronization. Valid values: When the PrincipalType value is Group, it is the CIC user group ID (g-). <b>When the PrincipalType value is User, it is the CIC user ID (u-).</b>
PrincipalType	String	No	Identity type for the CAM user synchronization. Valid values:  User: indicates that the identity for the CAM user synchronization is a CIC user. Group: indicates that the identity for the CAM user synchronization is a CIC user group.
TargetUin	Integer	No	UIN of the synchronized target account of the Tencent Cloud Organization.
TargetType	String	No	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
RoleConfigurationId	String	No	Permission configuration ID.

## RoleAssignments

Authorization details of the member account.

Used by actions: ListRoleAssignments.

Name	Type	Required	Description
RoleConfigurationId	String	No	Permission configuration ID.
RoleConfigurationName	String	No	Permission configuration name.
TargetUin	Integer	No	UIN of the target account of the Tencent Cloud Organization.

TargetType	String	No	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
PrincipalId	String	No	Identity ID for the CAM user synchronization. Valid values: When the PrincipalType value is Group, it is the CIC user group ID (g-). <b>When the PrincipalType value is User, it is the CIC user ID (u-).</b>
PrincipalType	String	No	Identity type for the CAM user synchronization. Valid values: User: indicates that the identity for the CAM user synchronization is a CIC user; Group: indicates that the identity for the CAM user synchronization is a CIC user group.
PrincipalName	String	No	User name or user group name.
CreateTime	String	No	Creation time.
UpdateTime	String	No	Update time.
TargetName	String	No	Name of the target account of the Tencent Cloud Organization.

## RoleConfiguration

CIC permission configuration.

Used by actions: CreateRoleConfiguration, GetRoleConfiguration, ListRoleConfigurations, UpdateRoleConfiguration.

Name	Type	Required	Description
RoleConfigurationId	String	No	Permission configuration ID.
RoleConfigurationName	String	No	Permission configuration name.
Description	String	No	Permission configuration description.
SessionDuration	Integer	No	Session duration. It indicates the maximum session duration when CIC users use the access configuration to access member accounts. Unit: seconds.
RelayState	String	No	Initial access page. It indicates the initial access page URL when CIC users use the access configuration to access member accounts.

CreateTime	String	No	Creation time of the permission configuration.
UpdateTime	String	No	Update time of the permission configuration.
IsSelected	Boolean	No	If the input parameter FilterTargets is provided, check whether the member account has been configured with permissions. If configured, return true; otherwise, return false.

## RoleConfigurationProvisionings

Permission configuration synchronization.

Used by actions: ListRoleConfigurationProvisionings.

Name	Type	Required	Description
DeploymentStatus	String	No	Deployed: Deployment succeeded; DeployedRequired: Redeployment required; DeployFailed: Deployment failed.
RoleConfigurationId	String	No	Permission configuration ID.
RoleConfigurationName	String	No	Permission configuration name.
TargetUin	Integer	No	UIN of the target account of the Tencent Cloud Organization.
TargetName	String	No	Name of the target account of the Tencent Cloud Organization.
CreateTime	String	No	Creation time.
UpdateTime	String	No	Modification time.
TargetType	String	No	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.

## RolePolicie

CIC permission policy.

Used by actions: ListPermissionPoliciesInRoleConfiguration.

Name	Type	Required	Description
RolePolicyId	Integer	No	Policy ID. Note: This field may return null, indicating that no valid values can be obtained.
RolePolicyName	String	No	Permission policy name.
RolePolicyType	String	No	Permission policy type.
RolePolicyDocument	String	No	Custom policy content. This parameter is only returned for custom policies.
AddTime	String	No	The time when the permission policy is added to the permission configuration.

## RoleProvisioningsTask

Status information of the role synchronization task.

Used by actions: DismantleRoleConfiguration, ProvisionRoleConfiguration.

Name	Type	Required	Description
TaskId	String	No	Task ID.
RoleConfigurationId	String	No	Permission configuration ID.
RoleConfigurationName	String	No	Permission configuration name.
TargetUin	Integer	No	UIN of the authorized target account of the Tencent Cloud Organization.
TargetType	String	No	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account. Note: This field may return null, indicating that no valid values can be obtained.
TaskType	String	No	Task type. Note: This field may return null, indicating that no valid values can be obtained.
TaskStatus	String	No	Task status. InProgress: The task is in progress; Failed: The task failed; Success: The task succeeded.

Note: This field may return null, indicating that no valid values can be obtained.

## SAMLIdPCertificate

SAML signing certificate information.

Used by actions: ListExternalSAMLIdPCertificates.

Name	Type	Required	Description
SerialNumber	String	No	Certificate serial number.
Issuer	String	No	Certificate issuer.
Version	Integer	No	Certificate version.
CertificateId	String	No	Certificate ID.
PublicKey	String	No	Public key certificate in PEM format (Base64 encoded).
SignatureAlgorithm	String	No	Signature algorithm of the certificate.
NotAfter	String	No	Expiration time of the certificate.
NotBefore	String	No	Creation time of the certificate.
Subject	String	No	Certificate subject.
X509Certificate	String	No	X509 certificate in PEM format.

## SAMLIdentityProviderConfiguration

SAML identity provider configuration information.

Used by actions: GetExternalSAMLIdentityProvider.

Name	Type	Required	Description
EntityId	String	No	IdP identifier.
SSOStatus	String	No	SSO enabling status. Valid values: Enabled, Disabled (default).

EncodedMetadataDocument	String	No	IdP metadata document (Base64 encoded).
CertificateIds	Array of String	No	X509 certificate ID.
LoginUrl	String	No	IdP login URL.
CreateTime	String	No	Creation time.
UpdateTime	String	No	Update time.

## SAMLServiceProvider

SAML service provider information.

Used by actions: GetZoneSAMLServiceProviderInfo.

Name	Type	Required	Description
EntityId	String	No	https://tencentcloudsso.com/saml/sp/z-sjw8ensa**
ZoneId	String	No	Space ID.
EncodedMetadataDocument	String	No	SP metadata document (Base64 encoded).
AcsUrl	String	No	SP ACS URL.

## SCIMCredential

SCIM key.

Used by actions: ListSCIMCredentials.

Name	Type	Description
ZoneId	String	Space ID, which starts with the z- prefix, followed by 12 random digits/lowercase letters.
Status	String	SCIM key status. Enabled: enabled. Disabled: disabled.
CredentialId	String	SCIM key ID, which starts with the scimcred- prefix, followed by 12 random digits/lowercase letters.
CredentialType	String	SCIM key type.

CreateTime	String	Creation time of a SCIM key.
ExpireTime	String	Expiration time of a SCIM key.

## ShareArea

Shared region

Used by actions: DescribeShareAreas.

Name	Type	Description
Name	String	Region name.
Area	String	Region identifier.
Areald	Integer	Region ID.

## ShareMember

Shared member information

Used by actions: AddShareUnitMembers, DeleteShareUnitMembers.

Name	Type	Required	Description
ShareMemberUin	Integer	Yes	Shared member UIN.

## ShareResource

Shared resources

Used by actions: DeleteShareUnitResources.

Name	Type	Required	Description
ProductResourceId	String	No	Product resource ID. Note: This field may return null, indicating that no valid values can be obtained.



## ShareUnitMember

Shared unit members

Used by actions: DescribeShareUnitMembers.

Name	Type	Description
ShareMemberUin	Integer	Shared member UIN.
CreateTime	String	Creation time.  Note: This field may return null, indicating that no valid values can be obtained.

## ShareUnitResource

Shared unit resources

Used by actions: DescribeShareUnitResources.

Name	Type	Description
ResourceId	String	Shared resource ID.
Type	String	Shared resource type.
CreateTime	String	Creation time.  Note: This field may return null, indicating that no valid values can be obtained.
ProductResourceId	String	Product resource ID.
SharedMemberNum	Integer	The number of members in a shared unit. Note: This field may return null, indicating that no valid values can be obtained.
SharedMemberUseNum	Integer	The number of shared unit members in use. Note: This field may return null, indicating that no valid values can be obtained.
ShareManagerUin	Integer	Shared administrator OwnerUin. Note: This field may return null, indicating that no valid values can be obtained.

## Tag

Tag key-value pair.

Used by actions: AddOrganizationNode, CreateOrganizationMember, DescribeOrganizationMembers, DescribeOrganizationNodes, InviteOrganizationMember.

Name	Type	Required	Description
TagKey	String	Yes	Tag key  Note: This field may return null, indicating that no valid values can be obtained.
TagValue	String	Yes	Tag value  Note: This field may return null, indicating that no valid values can be obtained.

## TaskInfo

Task status information.

Used by actions: CreateRoleAssignment, DeleteRoleAssignment, ListTasks.

Name	Type	Required	Description
TaskId	String	No	Task ID.
RoleConfigurationId	String	No	Permission configuration ID.
RoleConfigurationName	String	No	Permission configuration name.
TargetUin	Integer	No	UIN of the authorized target member account.
TargetType	String	No	Type of the synchronized target account. ManagerUin: admin account; MemberUin: member account.
PrincipalId	String	No	Identity ID for the user authorization. If the identity type is CIC user, it is the user ID; if the identity type is user group, it is the user group ID.
PrincipalType	String	No	Identity type for the user authorization. User: CIC user; Group: CIC user group.

TaskType	String	No	Task type.
Status	String	No	InProgress: The task is being executed; Success: The task execution succeeded; Failed: The task execution failed.
FailureReason	String	No	Cause of the failure. Note: This field may return null, indicating that no valid values can be obtained.

## TaskStatus

Task status information.

Used by actions: GetProvisioningTaskStatus, GetTaskStatus.

Name	Type	Required	Description
Status	String	No	Task status. Valid values: InProgress: The task is being executed; Success: The task execution succeeded; Failed: The task execution failed.
TaskId	String	No	Task ID.
TaskType	String	No	Task type. Valid values:ProvisionRoleConfiguration: Deploy permission configurations. DeprovisionRoleConfiguration: Undeploy permission configurations.CreateRoleAssignment: Grant authorizations on member accounts. DeleteRoleAssignment: Remove authorizations on member accounts.
FailureReason	String	No	Cause of task failure. Description. This parameter is displayed only when the Status is Failed.

## UserInfo

User information.

Used by actions: CreateUser, GetUser, ListUsers, UpdateUser.

Name	Type	Required	Description
UserName	String	No	Queried username.

FirstName	String	No	First name of the user.
LastName	String	No	Last name of the user.
DisplayName	String	No	Display name of the user.
Description	String	No	User description.
Email	String	No	Email address of the user, which must be unique within the directory.
UserStatus	String	No	User status. Valid values: Enabled, Disabled.
UserType	String	No	User type. Manual: manually created; Synchronized: externally imported.
UserId	String	No	User ID.
CreateTime	String	No	Creation time of the user.
UpdateTime	String	No	Modification time of the user.
IsSelected	Boolean	No	Whether selected

## UserProvisioning

User synchronization information.

Used by actions: GetUserSyncProvisioning, ListUserSyncProvisionings.

Name	Type	Required	Description
UserProvisioningId	String	No	CAM user synchronization status. Valid values: Enabled: CAM user synchronization is enabled. Disabled: CAM user synchronization is disabled.
Description	String	No	Description.
Status	String	No	CAM user synchronization status. Valid values: Enabled: CAM user synchronization is enabled. Disabled: CAM user synchronization is disabled.
PrincipalId	String	No	Identity ID for the CAM user synchronization. Valid values: When the PrincipalType value is Group, it is the CIC user group ID (g-).

			<b>When the PrincipalType value is User, it is the CIC user ID (u-).</b>
PrincipalName	String	No	Identity name for the CAM user synchronization. Valid values: When the PrincipalType value is Group, it is the CIC user group name. When the PrincipalType value is User, it is the CIC user name.
PrincipalType	String	No	Identity type for the CAM user synchronization. Valid values:  User: indicates that the identity for the CAM user synchronization is a CIC user. Group: indicates that the identity for the CAM user synchronization is a CIC user group.
TargetUin	Integer	No	UIN of the target account of the Tencent Cloud Organization.
TargetName	String	No	Name of the target account of the Tencent Cloud Organization.
DuplicationStrategy	String	No	Conflict policy. It indicates the handling policy for existence of a user with the same username when CIC users are synchronized to CAM. Valid values: KeepBoth: Keep both, that is, add the _cic suffix to the CIC user's username and then try to create a CAM user with the username when CIC users are synchronized to CAM and a user with the same username already exists in CAM; TakeOver: Replace, that is, directly replace the existing CAM user with the synchronized CIC user when CIC users are synchronized to CAM and a user with the same username already exists in CAM.
DeletionStrategy	String	No	Deletion policy. It indicates the handling policy for CAM users already synchronized when the CAM user synchronization is deleted. Valid values: Delete: Delete the CAM users already synchronized from CIC to CAM when the CAM user synchronization is deleted; Keep: Keep the CAM users already synchronized from CIC to CAM when the CAM user synchronization is deleted.
CreateTime	String	No	Creation time.
UpdateTime	String	No	Update time.
TargetType	String	No	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.

## UserProvisioningsTask

Status information of the user synchronization task.

Used by actions: CreateUserSyncProvisioning, DeleteUserSyncProvisioning.

Name	Type	Required	Description
TaskId	String	No	Task ID.
TargetUin	Integer	No	UIN of the authorized target account of the Tencent Cloud Organization.
TargetType	String	No	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.
TaskType	String	No	Task type. StartProvisioning: Start the user synchronization; DeleteProvisioning: Delete the user synchronization.
TaskStatus	String	No	Task status. InProgress: The task is in progress; Failed: The task failed; Success: The task succeeded.
UserProvisioningId	String	No	User synchronization ID.
PrincipalId	String	No	Identity ID for the CAM user synchronization. Valid values: When the PrincipalType value is Group, it is the CIC user group ID (g-). <b>When the PrincipalType value is User, it is the CIC user ID (u-).</b>
PrincipalType	String	No	Identity type for the CAM user synchronization. Valid values: User: indicates that the identity for the CAM user synchronization is a CIC user; Group: indicates that the identity for the CAM user synchronization is a CIC user group.
PrincipalName	String	No	User name or user group name.
DuplicationStrategy	String	No	Conflict policy. KeepBoth: Keep both; TakeOver: Replace.
DeletionStrategy	String	No	Deletion policy: Delete, Keep.

## UserSyncProvisioning

CAM user synchronization information.

Used by actions: CreateUserSyncProvisioning.

Name	Type	Required	Description
Description	String	No	Description.
PrincipalId	String	No	Identity ID for the CAM user synchronization. Valid values: When the PrincipalType value is Group, it is the CIC user group ID (g-). <b>When the PrincipalType value is User, it is the CIC user ID (u-).</b>
PrincipalType	String	No	Identity type for the CAM user synchronization. Valid values:  User: indicates that the identity for the CAM user synchronization is a CIC user. Group: indicates that the identity for the CAM user synchronization is a CIC user group.
TargetUin	Integer	No	UIN of the synchronized target account of the Tencent Cloud Organization.
DuplicationStrategy	String	No	Conflict policy. It indicates the handling policy for existence of a user with the same username when CIC users are synchronized to CAM. Valid values: KeepBoth: Keep both, that is, add the _cic suffix to the CIC user's username and then try to create a CAM user with the username when CIC users are synchronized to CAM and a user with the same username already exists in CAM; TakeOver: Replace, that is, directly replace the existing CAM user with the synchronized CIC user when CIC users are synchronized to CAM and a user with the same username already exists in CAM.
DeletionStrategy	String	No	Deletion policy. It indicates the handling policy for CAM users already synchronized when the CAM user synchronization is deleted. Valid values: Delete: Delete the CAM users already synchronized from CIC to CAM when the CAM user synchronization is deleted; Keep: Keep the CAM users already synchronized from CIC to CAM when the CAM user synchronization is deleted.
TargetType	String	No	Type of the synchronized target account of the Tencent Cloud Organization. ManagerUin: admin account; MemberUin: member account.

## ZoneStatistics

CIC space statistics.

Used by actions: GetZoneStatistics.

Name	Type	Required	Description
UserQuota	Integer	No	User quota.
GroupQuota	Integer	No	User group quota.
RoleConfigurationQuota	Integer	No	Permission configuration quota.
SystemPolicyPerRoleConfigurationQuota	Integer	No	System policy quota bound to the permission configuration.
UserCount	Integer	No	Number of users.
GroupCount	Integer	No	Number of user groups.
RoleConfigurationCount	Integer	No	Number of permission configurations.
UserProvisioningCount	Integer	No	Number of synchronized users.
RoleConfigurationSyncCount	Integer	No	Number of synchronized roles.



# Error Codes

Last updated : 2025-03-06 17:08:19

## 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 <a href="#">CAM</a> 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
FailedOperation.AccountAlreadyRegister	The account has been registered.
FailedOperation.ApplyExist	The application already exists.
FailedOperation.AuthInfoEmpty	The user has not completed identity verification.
FailedOperation.AuthInfoNotSame	Enterprise real name mismatch.
FailedOperation.AuthNotEnterprise	The user has not completed enterprise identity verification.
FailedOperation.BindEmailLinkExpired	The mailbox binding link has expired.
FailedOperation.BindEmailLinkInvalid	The mailbox binding link is invalid.
FailedOperation.ChangePermissionRecordExist	Member permission change record exists.

FailedOperation.CheckAccountPhoneBindLimit	Failed to check the mobile phone binding capacity limit.
FailedOperation.CheckMailAccount	Failed to check the mailbox binding status.
FailedOperation.ConfigurationOverUpperLimit	Permission configurations created for a directory exceed the upper limit.
FailedOperation.CreateAccount	An exception occurred while creating the member.
FailedOperation.CreateBillingPermissionErr	Failed to create the billing permission
FailedOperation.CreateMemberAuthOverLimit	The number of times of account identity verification exceeds the upper limit.
FailedOperation.CreatePolicy	Failed to create the policy
FailedOperation.CreateRecordAlreadySuccess	Created successfully.
FailedOperation.CreateRecordNotExist	The creation record does not exist.
FailedOperation.CreateRole	An exception occurred while creating the role.
FailedOperation.CustomPolicyOverUpperLimit	Custom policies bound to the permission configuration exceed the upper limit.
FailedOperation.DBOperationError	SQL execution error.
FailedOperation.DecodeMetadataDocumentFailed	Metadata document decoding failed.
FailedOperation.DeleteGroupNotAllowExistUser	The user group still contains users and does not allow deleting users.
FailedOperation.DeletePolicy	Exception occurred when deleting the authorization policy.
FailedOperation.DescribeOrgServiceUsageStatusErr	An error occurred in the query of the organization service usage status.
FailedOperation.DisableQuitSelfCreatedOrganization	You cannot quit an organization created by yourself.
FailedOperation.EmailAlreadyUsed	The email has been used.

FailedOperation.EmailBindRecordInvalid	Mailbox binding has become invalid.
FailedOperation.ExistOtherOrganizationMemberShared	There are shared resources with other organization members or from other organization members.
FailedOperation.ExistShareMemberNotInOrganization	There are shared members not in the organization.
FailedOperation.GetAccountRegion	Errors occurred when account's regional attributes are obtained.
FailedOperation.GetAuthInfo	An error occurred while querying the identity information.
FailedOperation.GetPolicyDetail	Failed to query the policy.
FailedOperation.GroupOverUpperLimit	User groups created exceed the upper limit.
FailedOperation.GroupTypeUserTypeNotMatch	User group type and user type do not match.
FailedOperation.GroupUserCountOverUpperLimit	Members of the CIC user group exceed the limit.
FailedOperation.HasDifferentResourceType	The shared unit has different shared resource types.
FailedOperation.IdentityCenterAlreadyOpen	The CIC service has been activated.
FailedOperation.IdentityCenterNotAuth	The user has not performed identity verification and cannot activate the CIC service.
FailedOperation.IdentityCenterNotEnterpriseAuth	The user has not performed enterprise identity verification and cannot activate the CIC service.
FailedOperation.IdentityCenterNotOpen	The CIC service is not enabled.
FailedOperation.IdentityCenterNotOrganizationManager	The user is not an admin of the Tencent Cloud Organization and cannot activate the CIC service.
FailedOperation.IdentityCenterOrganizationNotOpen	The user has not activated Tencent Cloud Organization and cannot activate the CIC service.

FailedOperation.ImportFileIllegal	The uploaded file is invalid.
FailedOperation.InvitationExist	The invitation already exists.
FailedOperation.ManualGroupNotDelete	Manually created user groups cannot be deleted.
FailedOperation.ManualGroupNotUpdate	Manually created user groups cannot be updated.
FailedOperation.ManualUserNotDelete	Manually created users cannot be deleted.
FailedOperation.ManualUserNotUpdate	Manually created users cannot be updated.
FailedOperation.MemberBindEmailError	Mailbox binding failed.
FailedOperation.MemberBindPhoneError	Verification mobile numbe binding failed.
FailedOperation.MemberEmailExist	The member has a mailbox.
FailedOperation.MemberExistDelegatePayerNotAllowedDelete	The member has a payer and cannot be deleted.
FailedOperation.MemberExistInOtherOrganization	The member already belongs to another organization.
FailedOperation.MemberIdentityAuthUsed	Member authorization is in use.
FailedOperation.MemberIsDelegatePayerNotAllowedDelete	The member is a payer and cannot be deleted.
FailedOperation.MemberNameUsed	The name is already in use.
FailedOperation.MemberPolicyNameExist	The member authorization policy name is already in use.
FailedOperation.MemberShareResource	The member is sharing resources and cannot quit the organization.
FailedOperation.MetadataCosParsingFailed	IdP metadata parsing failed.
FailedOperation.NodeNotEmpty	There are members in this department
FailedOperation.NotSameRegion	You can only invite accounts within the same site.

FailedOperation.OperateBillingPermissionErr	An error occurred while manipulating the billing member permission.
FailedOperation.OperatePolicy	Failed to manipulate the policy.
FailedOperation.OrganizationAuthManageNotAllowDelete	The member is an entity admin account and cannot quit the organization.
FailedOperation.OrganizationAuthRelationExist	Real-name authentication relationship already exists.
FailedOperation.OrganizationExistAlready	The organization already exists.
FailedOperation.OrganizationIdentityInUsed	Organization identity is in use.
FailedOperation.OrganizationIdentityNameUsed	Organization identity name is in use.
FailedOperation.OrganizationIdentityPolicyError	Organization identity policy is invalid.
FailedOperation.OrganizationMemberExist	Member already exists.
FailedOperation.OrganizationMemberNameUsed	The member name already exists.
FailedOperation.OrganizationMemberNotExist	The member account does not exist.
FailedOperation.OrganizationNodeDeleteOverLimit	The number of nodes to be deleted exceeds the upper limit.
FailedOperation.OrganizationNodeNameUsed	The node name is already in use.
FailedOperation.OrganizationNodeNotEmpty	There are nodes in the organization.
FailedOperation.OrganizationNodeNotExist	The organization node does not exist.
FailedOperation.OrganizationNotEmpty	There are members in this organization.
FailedOperation.OrganizationPermissionIllegal	The organization permission is invalid.
FailedOperation.OrganizationPolicyIllegal	The organization policy is invalid.
FailedOperation.OrganizationPolicyIsNotDisabled	Group policy is not disabled.
FailedOperation.OrganizationServiceAssignIsUse	Organization service delegation is in use.
FailedOperation.PartnerManagementErr	Distribution system calling error.
FailedOperation.PayUinIllegal	The payer is invalid.

FailedOperation.QuitShareUint	Failed to exit the shared unit.
FailedOperation.QuitShareUintError	Failed to leave the shared unit.
FailedOperation.QuiteShareUnit	Failed to exit the shared unit.
FailedOperation.ReSentInvitation	The invitation has already been sent before.
FailedOperation.ResourceOverLimit	Resources exceed the maximum upper limit.
FailedOperation.RoleConfigurationAuthorizationAlreadyExist	The permission authorization already exists.
FailedOperation.RoleConfigurationAuthorizationExist	The permission configuration authorization exists.
FailedOperation.RoleConfigurationAuthorizationOverLimit	The number of permission configuration authorizations exceeds the limit.
FailedOperation.RoleConfigurationProvisioningAlreadyDeployed	The access configuration has been deployed to member accounts.
FailedOperation.RoleConfigurationProvisioningStatusError	The permission configuration synchronization has a status error.
FailedOperation.SAMLMetadataDocumentGetFailed	SAML metadata document acquisition failed.
FailedOperation.SAMLServiceProviderCreateFailed	SAML service provider creation failed.
FailedOperation.SSoStatusEnableNotClearIdentityProvider	The SAML identity provider information cannot be cleared when SSO is enabled.
FailedOperation.ScimCredentialGenerateError	Failed to generate the SCIM key.
FailedOperation.ShareAreaNotExist	The shared region does not exist.
FailedOperation.ShareMemberNotExist	The shared member does not exist.
FailedOperation.ShareResourceMemberInUse	The member is using a shared resource.
FailedOperation.ShareResourceNotExist	The shared resource does not exist.
FailedOperation.ShareResourceTypeNotExist	The shared resource type does not exist.



FailedOperation.ShareUnitNotEmpty	Shared unit is not empty.
FailedOperation.ShareUnitNotExist	The shared unit does not exist.
FailedOperation.SomeUinsNotInOrganization	The UIN does not belong to the organization.
FailedOperation.SubAccountIdentityExist	The sub-account has an identity.
FailedOperation.SubAccountNotExist	The sub-account does not exist.
FailedOperation.SynchronizedGroupNotAddUser	The synchronized user group does not allow adding users.
FailedOperation.SynchronizedGroupNotDelete	The synchronized user groups cannot be deleted.
FailedOperation.SynchronizedGroupNotRemoveUser	The synchronized user group does not allow deleting users.
FailedOperation.SynchronizedGroupNotUpdate	The synchronized user group cannot be updated.
FailedOperation.SynchronizedUserNotDelete	The synchronized user cannot be deleted.
FailedOperation.SynchronizedUserNotUpdate	The synchronized user cannot be modified.
FailedOperation.SystemPolicyOverUpperLimit	System policies bound to the permission configuration exceed the upper limit.
FailedOperation.TagResourcesError	Tagging error.
FailedOperation.UploadMetadataFailed	Data file uploading failed.
FailedOperation.UserAddGroupCountOverUpperLimit	Users joining the user group exceed the limit.
FailedOperation.UserOverUpperLimit	Users created exceed the upper limit.
FailedOperation.UserProvisioningAlreadyExists	The user synchronization already exists.
FailedOperation.UserProvisioningExists	The user synchronization exists.
FailedOperation.UserProvisioningFailed	The user synchronization failed.

FailedOperation.UserProvisioningOverLimit	The number of synchronized users exceeds the limit.
FailedOperation.X509CertificateAlreadyExist	The X509 certificate already exists.
FailedOperation.X509CertificateParsingFailed	X509 certificate parsing failed.
FailedOperation.XMLDataUnmarshalFailed	XML parsing for the metadata document failed.
FailedOperation.ZoneldNotExist	The user zoneld of the CIC service does not exist.
InvalidParameter.AllowQuitIllegal	The member in pay-on-behalf mode is not allowed to exit the organization voluntarily.
InvalidParameter.BindPolicyNameNotAllowed	The permission configuration cannot be bound to this policy.
InvalidParameter.CodeError	Incorrect mobile phone verification code.
InvalidParameter.CodeExpired	The mobile phone verification code has expired.
InvalidParameter.ConfigurationNameAlreadyExists	The permission configuration name already exists.
InvalidParameter.ConfigurationNameFormatError	The permission configuration name has a format error.
InvalidParameter.EmailAlreadyExists	The email address already exists.
InvalidParameter.GroupNameAlreadyExists	The user group name already exists.
InvalidParameter.GroupNameFormatError	The user group name has a format error.
InvalidParameter.GroupNotExist	The user group does not exist.
InvalidParameter.GroupUserAlreadyExists	The user already exists in the user group.
InvalidParameter.GroupUserNotExist	The user does not exist in the user group.
InvalidParameter.InvalidEmail	The mailbox is invalid.

InvalidParameter.NextTokenInvalid	Invalid nextToken.
InvalidParameter.OrganizationMemberNotExist	The organization member does not exist.
InvalidParameter.OrganizationNodeNotExist	The organization node does not exist.
InvalidParameter.ParamError	Parameter error.
InvalidParameter.PasswordIllegal	The password is invalid.
InvalidParameter.PolicyDocumentEmpty	The custom policy content cannot be empty.
InvalidParameter.PolicyNameAlreadyExists	The policy name already exists.
InvalidParameter.PolicyNameSizeOverUpperLimit	The policy name exceeds the length limit.
InvalidParameter.PolicyTypeError	Errors occurred when the policy type is modified. Only custom policies can be modified.
InvalidParameter.RoleConfigurationNotExist	The permission configuration does not exist.
InvalidParameter.RolePolicyAlreadyExist	The permission configuration still contains policies.
InvalidParameter.RolePolicyNotExist	The policy does not exist.
InvalidParameter.ScimCredentialNotFound	SCIM key does not exist.
InvalidParameter.ScimSyncStatusError	SCIM synchronization status error
InvalidParameter.TagError	Tag value error.
InvalidParameter.UserAlreadyExistsGroup	The user still exists in the user group.
InvalidParameter.UserScimCredentialStatusError	SCIM key status error
InvalidParameter.UsernameAlreadyExists	The username already exists.
InvalidParameter.UsernameFormatError	The username has a format error.
InvalidParameterValue.IdentityCenterZoneNameAlreadyExist	The CIC space name already exists. You should change the space name.
InvalidParameterValue.SSoStatusInvalid	The SSO enabling status is invalid.

InvalidParameterValue.X509CertificateFormatError	The X509 certificate has a format error.
InvalidParameterValue.ZoneNameFormatError	The space name does not meet specifications.
LimitExceeded.AddUserToGroupLimitExceeded	Requests for adding users to the user group exceed the limit.
LimitExceeded.CreateMemberOverLimit	The number of members to be created exceeds the upper limit.
LimitExceeded.CreateOrgServiceAssignOverLimit	The number of delegated admins for the service exceeds the limit.
LimitExceeded.CreateRoleAssignmentLimitExceeded	Requests for creating permission configurations exceed the limit.
LimitExceeded.CreateUserLimitExceeded	Requests for creating users exceed the limit.
LimitExceeded.CreateUserSyncProvisioningLimitExceeded	Requests for creating user synchronization tasks exceed the limit.
LimitExceeded.EmailBindOverLimit	The mailbox configuration exceeds the daily capacity limit.
LimitExceeded.IdentityExceedLimit	The number of organization identities exceeds limit.
LimitExceeded.InvitationOverLimit	Invitation limit exceeded.
LimitExceeded.NodeDepthExceedLimit	The department has too many levels.
LimitExceeded.NodeExceedLimit	The number of departments exceeds the upper limit.
LimitExceeded.OrganizationMemberOverLimit	The number of members exceeds the upper limit.
LimitExceeded.PhoneNumBound	The number of mobile phones exceeds the binding upper limit.
LimitExceeded.RemoveUserFromGroupLimitExceeded	Requests for removing users from the user group exceed the limit.
LimitExceeded.ScimCredentialLimitExceeded	The number of SCIM keys exceeds the limit.

LimitExceeded.SendEmailLimit	The number of times to resend the activation email exceeds the limit.
LimitExceeded.SendEmailWithinOneHourLimit	The number of times to resend the activation email within one hour exceeds the limit.
LimitExceeded.ShareUnitMemberOverLimit	The number of shared members for this operation exceeds the upper limit.
LimitExceeded.ShareUnitResourceOverLimit	The number of shared resources for this operation exceeds the upper limit.
LimitExceeded.UpdateEmailBindOverLimit	The number of modifications to member binding information exceeds the limit.
OperationDenied	Operation denied.
ResourceNotFound.EmailBindRecordNotExist	The mailbox binding record does not exist.
ResourceNotFound.MemberIdentityNotExist	The authorizable member identity does not exist.
ResourceNotFound.MemberNotExist	The member does not exist.
ResourceNotFound.MemberPolicyNotExist	The organization member policy does not exist.
ResourceNotFound.OrganizationAuthRelationNotExist	The authentication subject does not exist.
ResourceNotFound.OrganizationIdentityNotExist	Organization identity does not exist.
ResourceNotFound.OrganizationMemberNotExist	The organization member does not exist.
ResourceNotFound.OrganizationNodeNotExist	The organization node does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.OrganizationServiceAssignNotExist	Organization service delegation does not exist.
ResourceNotFound.OrganizationServiceNotExist	The organization service does not exist.
ResourceNotFound.PolicyNotExist	Policy does not exist.
ResourceNotFound.RoleConfigurationAuthorizationNotFound	The permission authorization record

	does not exist.
ResourceNotFound.RoleConfigurationProvisioningNotFound	The permission configuration synchronization does not exist.
ResourceNotFound.RoleConfigurationTaskNotFound	The permission configuration task does not exist.
ResourceNotFound.SAMLIdentityProviderNotFound	The SAML identity provider configuration does not exist.
ResourceNotFound.SAMLServiceProviderNotFound	The SAML service provider information does not exist.
ResourceNotFound.ServiceRoleNotExist	The organization service role does not exist.
ResourceNotFound.UserNotExist	The user does not exist.
ResourceNotFound.UserProvisioningNotFound	The user synchronization does not exist.
ResourceNotFound.UserProvisioningTaskNotFound	The user synchronization task does not exist.
ResourceNotFound.X509CertificateNotFound	The X509 certificate does not exist.
UnsupportedOperation.AbnormalFinancialStatusOfAdmin	The payer has a financial status exception and does not support pay-on-behalf.
UnsupportedOperation.AbnormalFinancialStatusOfMember	Member's financial status is abnormal. Pay-on-behalf mode is not supported.
UnsupportedOperation.AddDelegatePayerNotAllowed	No paying relationships can be added.
UnsupportedOperation.AddDiscountInheritNotAllowed	No offer inheritance relationships can be added.
UnsupportedOperation.AgentNotSame	The resellers of the administrator and the member do not match.
UnsupportedOperation.CreateMemberNotAllowedCreateOrganization	The created member is not allowed to create an organization.
UnsupportedOperation.CreateMemberNotAllowedDelete	The created member cannot be removed from the organization.
UnsupportedOperation.CreateMemberNotAllowedQuit	The created member is not allowed to

	exit.
UnsupportedOperation.DeleteDelegatePayerNotAllowed	Deleting the payment relationship is not allowed.
UnsupportedOperation.ExistedAgent	Payment-on-behalf is not supported for this member or payer as it is a reseller.
UnsupportedOperation.ExistedClient	Payment-on-behalf is not supported for this member or payer as it is a reseller's account.
UnsupportedOperation.InconsistentUserTypes	The user type mismatches.
UnsupportedOperation.ManagementSystemError	An error occurred while calling the operations management system.
UnsupportedOperation.MemberAccountArrears	The member account has an overdue payment.
UnsupportedOperation.MemberDiscountInheritExisted	The member has an inherited offer.
UnsupportedOperation.MemberExistAccountLevelDiscountInherit	The member has an account-level offer.
UnsupportedOperation.MemberExistOperateProcessNotAllowedDelete	The member is configured with operation audit and cannot be deleted.
UnsupportedOperation.MemberExistServiceNotAllowedDelete	The member is a delegated admin of the organization service and cannot quit the organization.
UnsupportedOperation.MemberHasVoucher	The member has vouchers. Pay-on-behalf mode is not supported.
UnsupportedOperation.MemberIsAgent	The account is an agent or an agent customer.
UnsupportedOperation.MemberIsNotClient	The member is not a reseller customer.
UnsupportedOperation.MemberNoPayment	No credit card is bound to the member.
UnsupportedOperation.MemberNotAllowedQuit	The member does not support voluntary exit.
UnsupportedOperation.MemberUnsupportedOperation	The member does not support the operation.
UnsupportedOperation.OrderInProgressExisted	There is an ongoing order.

UnsupportedOperation.OwnerDiscountInheritExisted	The admin has an inherited offer.
UnsupportedOperation.PayerArrearsAndNoCreditAccount	The payer has an overdue payment and has no credit account.
UnsupportedOperation.PayerExistAccountLevelDiscountInherit	The payer has an account-level offer.
UnsupportedOperation.SecondaryDistributorSubClientExisted	Pay-on-behalf is not supported for second-level reseller customers exist.
UnsupportedOperation.SharingToOtherOrganizationMember	Sharing with other organizational members is not supported.



# TCO API 2018-12-25

## History

Last updated : 2024-11-28 11:45:10

## Existing Release

Release time: 2020-08-18 08:59:15

Existing APIs/data structures are as follows:

Improvement to existing documentation.

Existing APIs:

- [AcceptOrganizationInvitation](#)
- [AddOrganizationNode](#)
- [CancelOrganizationInvitation](#)
- [CreateOrganization](#)
- [DeleteOrganization](#)
- [DeleteOrganizationMemberFromNode](#)
- [DeleteOrganizationMembers](#)
- [DeleteOrganizationNodes](#)
- [DenyOrganizationInvitation](#)
- [GetOrganization](#)
- [GetOrganizationMember](#)
- [ListOrganizationInvitations](#)
- [ListOrganizationMembers](#)
- [ListOrganizationNodeMembers](#)
- [ListOrganizationNodes](#)
- [MoveOrganizationMembersToNode](#)
- [QuitOrganization](#)
- [SendOrganizationInvitation](#)
- [UpdateOrganizationMember](#)
- [UpdateOrganizationNode](#)

Existing data structures:

- [OrgInvitation](#)

- [OrgMember](#)
- [OrgNode](#)

# Introduction

Last updated : 2024-11-28 11:45:09

Welcome to TCO !

Tencent Cloud Organization (TCO) is an account management service that enables you to centrally manage multiple Tencent Cloud accounts by integrating them with an organization you created. It provides features that lets you view bills and manage accounts to meet your budgeting, security, and compliance needs. As an administrator of an organization, you can invite existing accounts to join the organization. Through its streamlined multi-account billing mode, TCO allows you to view the billing details of all accounts in your organization conveniently by switching among accounts. Currently, it is available to all Tencent Cloud customers for free.

# API Category

Last updated : 2024-11-28 11:44:44

## Write API

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">AcceptOrganizationInvitation</a>	Accepts an invitation to an organization	20
<a href="#">AddOrganizationNode</a>	Adds an organizational unit	20
<a href="#">CancelOrganizationInvitation</a>	Cancels an invitation to an organization	20
<a href="#">CreateOrganization</a>	Creates an organization	20
<a href="#">DeleteOrganization</a>	Deletes an organization	20
<a href="#">DeleteOrganizationMemberFromNode</a>	Deletes an organization member	20
<a href="#">DeleteOrganizationMembers</a>	Deletes multiple organization members	20
<a href="#">DeleteOrganizationNodes</a>	Deletes multiple organizational units	20
<a href="#">DenyOrganizationInvitation</a>	Declines an invitation to an organization	20
<a href="#">MoveOrganizationMembersToNode</a>	Moves members to a specified organizational unit	20
<a href="#">QuitOrganization</a>	Quits an organization	20
<a href="#">SendOrganizationInvitation</a>	Sends an invitation to join an organization	20
<a href="#">UpdateOrganizationMember</a>	Updates information on organization members	20
<a href="#">UpdateOrganizationNode</a>	Updates organizational units	20

## Read APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">GetOrganization</a>	Obtains organization information	20
<a href="#">GetOrganizationMember</a>	Obtains information on organization members	20
<a href="#">ListOrganizationInvitations</a>	Obtains an invitation list	20
<a href="#">ListOrganizationMembers</a>	Obtains a list of organization members	20
<a href="#">ListOrganizationNodeMembers</a>	Obtains a list of organizational unit members	20
<a href="#">ListOrganizationNodes</a>	Obtains a list of organizational units	20

# Making API Requests

## Request Structure

Last updated : 2024-11-28 11:44:45

### 1. Service Address

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

Southeast Asia (Singapore)	organization.ap-singapore.tencentcloudapi.com
Southeast Asia (Bangkok)	organization.ap-bangkok.tencentcloudapi.com
South Asia (Mumbai)	organization.ap-mumbai.tencentcloudapi.com
Northeast Asia (Seoul)	organization.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	organization.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	organization.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	organization.na-siliconvalley.tencentcloudapi.com
Europe (Frankfurt)	organization.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 : 2024-11-28 11:44:46

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 r 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 y work with belongs. For values supported for an API, see the description c parameter <code>Region</code> in the input parameters in related API documentati parameter is not required for some APIs (which will be indicated in relatec documentation), and will not take effect even it is passed.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request for example, 1529223702. Note: If the difference between the UNIX times server time is greater than 5 minutes, a signature expiration error may oc
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the c parameter <code>Version</code> in the API documentation. For example, the versi 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKID*****/Date/service/tc3_request, SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKID***** is the SecretId; Date is a d time, and this value must match the value of X-TC-Timestamp (a commo

			<p>UTC time format; service is the name of the product/service, and is general name prefix. For example, a domain name cvm.tencentcloudapi.com refers to product and the value would be cvm;</p> <ul style="list-style-type: none"> <li>- SignedHeaders: The headers that contains the authentication information type and host are the required headers;</li> <li>- Signature: Signature digest.</li> </ul>
X-TC-Token	String	No	<p>The token used for a temporary certificate. It must be used with a temporary key to obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.</p>

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=AKID*****/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=AKID*****/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=AKID*****/2018-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
```

```
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 <a href="#">Cloud API Key</a> 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=37ac2f4fde00b0ac9bd9eadeb459b1bbbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKID*****
```

```
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=AKID*****  
****
```

# Signature v3

Last updated : 2024-11-28 11:44:48

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 `AKID*****` and `*****`, 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=AKID*****
*/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=ca282b0a
56549857d53b2beb08b0c35871c892d42d09ae30b38d456e09ce291f" \
-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&amp;Offset=0</code>.</p> <p>Note: <code>CanonicalQueryString</code> must be URL-encoded, referencing <a href="#">RFC3986</a>, 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"> <li>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;</li> <li>If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase).</li> </ol> <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"> <li>Both the key and value of the header should be converted to lowercase;</li> <li>If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;).</li> </ol> <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 (tc3_request). <b>Date is a date in UTC time, whose value should match the UTC date converted by the common parameter X-TC-Timestamp</b> ; <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>2015/5/25/cvm/tc3_request</code> .

HashedCanonicalRequest	<p>Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(CanonicalRequest)))</p> <p>The calculation result in this example is</p> <pre>2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad</pre>
------------------------	--

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 = "*****"
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., *****.
Date	The Date field information in Credential , such as 2019-02-25 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>AKID*****</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>ca282b0a56549857d53b2beb08b0c35871c892d42d09ae30b38d456e09ce291f</code> .

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

```
TC3-HMAC-SHA256 Credential=AKID*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=ca282b0a56549857d53b2beb08b0c35871c892d42d09ae30b38d456e09ce291f
```

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKID*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=ca282b0a56549857d53b2beb08b0c35871c892d42d09ae30b38d456e09ce291f
```

```
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=AKID*****&Signature=ElIP9YW3pW28FpsEdkXt%2F%2BWcGeI%3D&Timestamp=1465185768&Version=2017-03-12.`

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

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

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

## 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 = "AKID*****";
    private final static String SECRET_KEY = "*****";
    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 = "AKID*****"
secret_key = "*****"

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

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

```

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

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

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

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

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

## Golang



```
package main

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

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

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

func main() {
    secretId := "AKID*****"
    secretKey := "*****"
    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 = "AKID*****";
$secretKey = "*****";
$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 = 'AKID*****'
secret_key = '*****'

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 = "AKID*****";
    string SECRET_KEY = "*****";

    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 = "AKID*****"
const SECRET_KEY = "*****"

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 = "AKID*****";
string SECRET_KEY = "*****";

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 : 2024-11-28 11:44:49

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: AKID\*\*\*\*\*
- SecretKey: \*\*\*\*\*

**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	AKID*****
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' : 'AKID*****',
  '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=AKID*****&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=AKID*****
*****&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 = '*****';

```

The final signature is:

```
9FzTQAN1UZ489+BqCg1fNBQaCqw=
```

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 9FzTQAN1UZ489+BqCg1fNBQaCqw=, the final signature string request parameter (Signature) is 9FzTQAN1UZ489%2BBqCg1fNBQaCqw%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=AKID*****&Signature=9FzTQAN1UZ489%2BBqCg1fNBQaCqw%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 enable s automatic sorting
    // A random number should be used when actually calling, for example: params.put ("Nonce", new Random().nextInt (java.lang.Integer.MAX_VALUE));
    params.put ("Nonce", 11886); // Common parameter
    // The current time of the system should be used when actually calling, for example: params.put ("Timestamp", System.currentTimeMillis() / 1000);
    params.put ("Timestamp", 1465185768); // Common parameter
    params.put ("SecretId", "AKID*****"); // 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), "*****", "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 = "AKID*****"
secret_key = "*****"
```

```

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 := "AKID*****"
    secretKey := "*****"

```

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

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

ksort($param);

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

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

## Ruby

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

secret_id = "AKID*****"
secret_key = "*****"

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 = "AKID*****";
string SECRET_KEY = "*****";

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 = "AKID*****"
const SECRET_KEY = "*****"

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 : 2024-11-28 11:44:49

## 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.

Error Code	Description
MissingParameter	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.



# Read APIs

## ListOrganizationNodes

Last updated : 2024-11-28 11:45:02

### 1. API Description

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

This API is used to obtain a list of organizational units.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListOrganizationNodes.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.

### 3. Output Parameters

Parameter Name	Type	Description
Nodes	Array of	Organizational unit list

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

## 4. Example

### Example1 Obtaining a list of organizational units

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=ListOrganizationNodes
&Nodes.0=123
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "Nodes": [
      {
        "NodeId": 1,
        "Name": "aa",
        "ParentNodeId": 111,
        "MemberCount": 11
      }
    ],
    "RequestId": "f2b75a7e-fc82-4b00-8426-d04371d9052c"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# ListOrganizationNodeMembers

Last updated : 2024-11-28 11:45:03

## 1. API Description

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

This API is used to obtain a list of organizational unit 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	<a href="#">Common Params</a> . The value used for this API: ListOrganizationNodeMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
NodeId	Yes	Integer	Organizational unit ID
Offset	No	Integer	Offset
Limit	No	Integer	Limit

## 3. Output Parameters

--	--	--

Parameter Name	Type	Description
TotalCount	Integer	Total number of results
Members	Array of <a href="#">OrgMember</a>	Member list
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtaining a list of organizational unit members

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=ListOrganizationNodeMembers
&NodeId=123
&Offset=0
&Limit=10
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "TotalCount": 100,
    "Members": [
      {
        "Uin": 1,
        "Name": "aa",
        "Remark": "",
        "JoinTime": "2019-10-10 00:00:00"
      }
    ],
    "RequestId": "53a54672-d955-4f21-a7c2-a1adaf038702"
  }
}
```

## 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
ResourceNotFound.NodeNotExist	The organizational unit does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# ListOrganizationMembers

Last updated : 2024-11-28 11:45:03

## 1. API Description

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

This API is used to obtain a list of organization 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	<a href="#">Common Params</a> . The value used for this API: ListOrganizationMembers.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	No	Integer	Offset
Limit	No	Integer	Limit

## 3. Output Parameters

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

Members	Array of <a href="#">OrgMember</a>	Member list
TotalCount	Integer	Total number of results
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtaining a list of organization members

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=ListOrganizationMembers
&Offset=0
&Limit=10
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "Members": [
      {
        "Uin": 1,
        "Name": "aa",
        "Remark": "",
        "JoinTime": "2019-10-10 00:00:00"
      }
    ],
    "RequestId": "789d9d58-8e51-4b50-b3d7-f851216c5e9c"
  }
}
```

## 5. Developer Resources

### SDK



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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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	
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# ListOrganizationInvitations

Last updated : 2024-11-28 11:45:04

## 1. API Description

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

This API is used to obtain an invitation list.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: ListOrganizationInvitations.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Invited	Yes	Integer	Whether to list the invitations you received or the invitations you sent. <input type="checkbox"/> 1 : list the invitations you received; <input type="checkbox"/> 0 : list the invitations you sent.
Offset	No	Integer	Offset
Limit	No	Integer	Limit

## 3. Output Parameters

Parameter Name	Type	Description
Invitations	Array of <a href="#">OrgInvitation</a>	List of invitations
TotalCount	Integer	Total number of results
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtaining an invitation list

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=ListOrganizationInvitations
&Invited=1
&Offset=0
&Limit=10
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "Invitations": [
      {
        "Id": 1,
        "Uin": 1,
        "HostUin": 1,
        "HostName": "aa",
        "HostMail": "aa@qq.com",
        "Status": 1,
        "Name": "aa",
        "Remark": "",
        "OrgType": 1,
        "InviteTime": "2019-10-10 00:00:00",
        "ExpireTime": "2019-10-10 00:00:00"
      }
    ],
  }
}
```

```
"RequestId": "97fd9345-cfd6-4b93-8205-e25d21ecd26e"  
}  
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
ResourceNotFound.UserNotExist	The user does not exist.

# GetOrganizationMember

Last updated : 2024-11-28 11:45:05

## 1. API Description

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

This API is used to obtain information on organization 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	<a href="#">Common Params</a> . The value used for this API: GetOrganizationMember.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Organization member UIN

## 3. Output Parameters

Parameter Name	Type	Description
Uin	Integer	Organization member UIN

Name	String	Organization member name
Remark	String	Notes
JoinTime	Timestamp	Joining time
NodeId	Integer	Organizational unit ID
NodeName	String	Organizational unit name
ParentNodeId	Integer	Parent organizational unit 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 Obtaining information on an organization member

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=GetOrganizationMember
&MemberUin=123
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "Uin": 1,
    "Name": "aa",
    "Remark": "",
    "JoinTime": "2019-10-10 00:00:00",
    "NodeId": 1,
    "NodeName": "aa",
    "ParentNodeId": 0,
    "RequestId": "fae840be-2b30-47ae-93b7-df5610168eff"
  }
}
```

## 5. Developer Resources

## SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
ResourceNotFound.NodeNotExist	The organizational unit does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# GetOrganization

Last updated : 2024-11-28 11:45:06

## 1. API Description

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

This API is used to obtain information on organizations.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: GetOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.

## 3. Output Parameters

Parameter Name	Type	Description
OrgId	Integer	Organization ID
HostUin	Integer	Creator UIN
Nickname	String	Creator's name



Mail	String	Creator's email address
OrgType	Integer	Organization type
IsEmpty	Integer	Whether the organization is empty or not
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtaining organization information

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=GetOrganization
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "OrgId": 1,
    "HostUin": 1,
    "Nickname": "test",
    "Mail": "test@qq.com",
    "OrgType": 1,
    "IsEmpty": 1,
    "RequestId": "629cde15-2b9c-403b-b5f1-033992709327"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.UserNotExist	The user does not exist.

# Write APIs

## UpdateOrganizationNode

Last updated : 2024-11-28 11:44:51

### 1. API Description

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

This API is used to update organizational units.

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

We recommend you to use API Explorer

[Try it](#)

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

### 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: UpdateOrganizationNode.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
NodeId	Yes	Integer	Organizational unit ID
Name	No	String	Name
ParentNodeId	No	Integer	Parent organizational unit 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 Updating organizational units

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=UpdateOrganizationNode
&NodeId=123
&Name="test"
&ParentNodeId=11
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
LimitExceeded.NodeDepthExceedLimit	The department has too many levels.
ResourceInUse.NodeNameUsed	This name is already in use.
ResourceNotFound.NodeNotExist	The organizational unit does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# UpdateOrganizationMember

Last updated : 2024-11-28 11:44:51

## 1. API Description

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

This API is used to update information on organization 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	<a href="#">Common Params</a> . The value used for this API: UpdateOrganizationMember.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	Member UIN
Name	No	String	Name
Remark	No	String	Notes

## 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 Updating organization member information

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=UpdateOrganizationMember
&MemberUin=123
&Name="test"
&Remark="test"
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.MemberNameUsed	The name is already in use.
ResourceNotFound.MemberNotExist	The member does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.



# SendOrganizationInvitation

Last updated : 2024-11-28 11:44:52

## 1. API Description

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

This API is used to send an invitation to join an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: SendOrganizationInvitation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
InviteUin	Yes	Integer	UIN of the invitee
Name	Yes	String	Name
Remark	Yes	String	Notes

## 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 Sending an invitation to join an organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=SendOrganizationInvitation
&InviteUin=123
&Name="test"
&Remark="test"
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.MemberNameUsed	The name is already in use.
FailedOperation.NotSameRegion	You can only invite accounts within the same site.
FailedOperation.ReSentInvitation	The invitation has already been sent before.
FailedOperation.UserInOrganization	The user has already joined the organization.
FailedOperation.UserNotRegister	The account that sent the invitation is not a primary account.
LimitExceeded.Members	The number of organization members has reached the maximum.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.UserNotExist	The user does not exist.

# QuitOrganization

Last updated : 2024-11-28 11:44:53

## 1. API Description

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

This API is used to quit an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: QuitOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
OrgId	Yes	Integer	Organization 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 Quitting an organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=QuitOrganization
&OrgId=123
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DisableQuitSelfCreatedOrganization	You cannot quit an organization created by yourself.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# MoveOrganizationMembersToNode

Last updated : 2024-11-28 11:44:54

## 1. API Description

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

This API is used to move members to a specified organizational unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: MoveOrganizationMembersToNode.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
NodeId	Yes	Integer	Organizational unit ID
Uins.N	Yes	Array of Integer	Member UIN list

## 3. Output Parameters

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

Name		
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 Moving a member to a specified organizational unit

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=MoveOrganizationMembersToNode
&NodeId=123
&Uins.0=11
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.SomeUinsNotInOrganization	The UIN does not belong to the organization.
ResourceNotFound.NodeNotExist	The organizational unit does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DenyOrganizationInvitation

Last updated : 2024-11-28 11:44:55

## 1. API Description

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

This API is used to decline an invitation to an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DenyOrganizationInvitation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Id	Yes	Integer	Invitation 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 Declining an invitation to an organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DenyOrganizationInvitation
&Id=123
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
ResourceNotFound.InvitationNotExist	The invitation information does not exist.

# DeleteOrganizationNodes

Last updated : 2024-11-28 11:44:56

## 1. API Description

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

This API is used to delete multiple organizational units in a single request.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganizationNodes.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
NodeIds.N	Yes	Array of Integer	Organizational unit ID list

## 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 Deleting an organizational unit

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DeleteOrganizationNodes
&NodeIds.0=123
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.NodeNotEmpty	There are members in this department
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DeleteOrganizationMemberFromNode

Last updated : 2024-11-28 11:44:57

## 1. API Description

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

This API is used to delete an organization member.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganizationMemberFromNode.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
MemberUin	Yes	Integer	UIN of the member to be deleted
Nodeid	Yes	Integer	Organizational unit 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 Deleting an organization member

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DeleteOrganizationMemberFromNode
&MemberUin=123
&NodeId=12
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.DisableDeleteMemberFromRootNode	Members cannot be deleted from the root unit.
ResourceNotFound.NodeNotExist	The organizational unit does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# DeleteOrganization

Last updated : 2024-11-28 11:44:58

## 1. API Description

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

This API is used to delete an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: DeleteOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.

## 3. Output Parameters

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

## 4. Example

### Example1 Deleting an organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=DeleteOrganization
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.OrganizationNotEmpty	There are members in this organization.
FailedOperation.ShareUnitNotEmpty	Shared unit is not empty.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# CreateOrganization

Last updated : 2024-11-28 11:44:58

## 1. API Description

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

This API is used to create an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CreateOrganization.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
OrgType	Yes	Integer	Organization type; currently its value is fixed as <code>1</code>

## 3. Output Parameters

Parameter Name	Type	Description
OrgId	Integer	Organization ID

Nickname	String	Creator's name
Mail	String	Creator's email address
OrgType	Integer	Organization 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 Creating an organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=CreateOrganization
&OrgType=1
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "OrgId": 123,
    "Nickname": "test",
    "Mail": "test@qq.com",
    "OrgType": 1,
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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	
FailedOperation.OrganizationExistAlready	The organization already exists.
ResourceNotFound.UserNotExist	The user does not exist.



# CancelOrganizationInvitation

Last updated : 2024-11-28 11:44:59

## 1. API Description

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

This API is used to cancel an invitation to an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: CancelOrganizationInvitation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Id	Yes	Integer	Invitation 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 Canceling an invitation to an organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=CancelOrganizationInvitation
&Id=123
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
ResourceNotFound.InvitationNotExist	The invitation information does not exist.

# AddOrganizationNode

Last updated : 2024-11-28 11:45:00

## 1. API Description

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

This API is used to add an organizational unit.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AddOrganizationNode.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
ParentNodeid	Yes	Integer	Parent organizational unit ID
Name	Yes	String	Organizational unit name

## 3. Output Parameters

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

NodeId	Integer	Organizational unit 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 Adding an organizational unit

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=AddOrganizationNode
&ParentNodeId=123
&Name="node_name"
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "NodeId": 1001,
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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
LimitExceeded.NodeDepthExceedLimit	The department has too many levels.
LimitExceeded.NodeExceedLimit	The number of departments exceeds the upper limit.
ResourceInUse.NodeName	The organizational unit name is already in use.
ResourceNotFound.NodeNotExist	The organizational unit does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# AcceptOrganizationInvitation

Last updated : 2024-11-28 11:45:01

## 1. API Description

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

This API is used to accept an invitation to an organization.

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

We recommend you to use API Explorer

[Try it](#)

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	<a href="#">Common Params</a> . The value used for this API: AcceptOrganizationInvitation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2018-12-25.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Id	Yes	Integer	Invitation 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 Accepting an invitation to an organization

#### Input Example

```
https://organization.intl.tencentcloudapi.com/?Action=AcceptOrganizationInvitation
&Id=123
&<Common Request Parameters>
```

#### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent 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.InOrganizationAlready	You are already in this organization.
ResourceNotFound.InvitationNotExist	The invitation information does not exist.

# DeleteOrganizationMembers

Last updated : 2020-01-13 17:10:48

## 1. API Description

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

This API is used to delete multiple organization members in a single request.

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

## 2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteOrganizationMembers
Version	Yes	String	Common parameter. The value used for this API: 2018-12-25
Region	No	String	Common parameter. This parameter is not required for this API.
Uins.N	Yes	Array of Integer	List of UINs of members to be deleted

## 3. Output Parameters

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

## 4. Example

## Example1 Deleting multiple organization members

### Input Example

```
https://organization.tencentcloudapi.com/?Action=DeleteOrganizationMembers
&Uins.0=1
&<Common Request Parameters>
```

### Output Example

```
{
  "Response": {
    "RequestId": "b46d2afe-6893-4529-bc96-2c82d9214957"
  }
}
```

## 5. Developer Resources

### API Explorer

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

- [API 3.0 Explorer](#)

### SDK

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

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

### Command Line Interface

- [Tencent Cloud CLI 3.0](#)

## 6. Error Code

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

Error Code	Description
ResourceNotFound.OrganizationNotExist	The organization does not exist.

# Data Types

Last updated : 2024-11-28 11:45:06

## OrgInvitation

Information on an invitation to an organization.

Used by actions: ListOrganizationInvitations.

Name	Type	Description
Id	Integer	Invitation ID
Uin	Integer	UIN of the invitee
HostUin	Integer	Creator UIN
HostName	String	Creator's name
HostMail	String	Creator's email address
Status	Integer	Invitation status. <code>-1</code> : expired; <code>0</code> : normal; <code>1</code> : accepted; <code>2</code> : invalid; <code>3</code> : cancelled
Name	String	Name
Remark	String	Notes
OrgType	Integer	Organization type
InviteTime	Timestamp	Time of invitation
ExpireTime	Timestamp	Expiration time

## OrgMember

Information on an organization member.

Used by actions: ListOrganizationMembers, ListOrganizationNodeMembers.

Name	Type	Description
Uin	Integer	UIN

Name	Type	Description
Name	String	Name
Remark	String	Notes
JoinTime	Timestamp	Joining time

## OrgNode

Information on an organizational unit.

Used by actions: ListOrganizationNodes.

Name	Type	Description
NodeId	Integer	Organizational unit ID
Name	String	Name
ParentNodeId	Integer	Parent organizational unit ID
MemberCount	Integer	Number of members

# Error Codes

Last updated : 2024-11-28 11:45:07

## 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 <a href="#">CAM</a> 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
FailedOperation.DisableDeleteMemberFromRootNode	Members cannot be deleted from the root unit.
FailedOperation.DisableQuitSelfCreatedOrganization	You cannot quit an organization created by yourself.
FailedOperation.InOrganizationAlready	You are already in this organization.
FailedOperation.MemberNameUsed	The name is already in use.
FailedOperation.NodeNotEmpty	There are members in this department
FailedOperation.NotSameRegion	You can only invite accounts within the same site.
FailedOperation.OrganizationExistAlready	The organization already exists.
FailedOperation.OrganizationNotEmpty	There are members in this organization.
FailedOperation.QuitShareUintError	Failed to leave the shared unit.

FailedOperation.ReSentInvitation	The invitation has already been sent before.
FailedOperation.ShareUnitNotEmpty	Shared unit is not empty.
FailedOperation.SomeUinsNotInOrganization	The UIN does not belong to the organization.
FailedOperation.UserInOrganization	The user has already joined the organization.
FailedOperation.UserNotRegister	The account that sent the invitation is not a primary account.
LimitExceeded.Members	The number of organization members has reached the maximum.
LimitExceeded.NodeDepthExceedLimit	The department has too many levels.
LimitExceeded.NodeExceedLimit	The number of departments exceeds the upper limit.
ResourceInUse.NodeName	The organizational unit name is already in use.
ResourceInUse.NodeNameUsed	This name is already in use.
ResourceNotFound.InvitationNotExist	The invitation information does not exist.
ResourceNotFound.MemberNotExist	The member does not exist.
ResourceNotFound.NodeNotExist	The organizational unit does not exist.
ResourceNotFound.OrganizationNotExist	The organization does not exist.
ResourceNotFound.UserNotExist	The user does not exist.