API Gateway

API Documentation

Product Documentation

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- DeleteAPIDoc
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- DescribeAPIDocs
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API Documentation History

Last updated：2024-04-08 15:10:43

Release 18

Release time: 2023-08-01 17:07:02

Release updates:

Improvement to existing documentation.

Deleted APIs:

- GenerateApiDocument

Deleted data structures:

- DocumentSDK

Modified data structures:

- ApiIdStatus
  - **Modified members:** RelationBuniessApiIds
  - **Deprecate members:** RelationBuniessApiIds

Release 17

Release time: 2022-11-24 15:32:43

Release updates:

Improvement to existing documentation.

New APIs:

- DescribePluginsByApi

New data structures:

- AttachedPluginInfo

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- AttachedPluginSummary

Release 16

Release time: 2022-10-12 15:56:16

Release updates:

Improvement to existing documentation.

New APIs:

- ImportOpenApi

New data structures:

- CreateApiRspSet

Release 15

Release time: 2022-05-05 16:14:51

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateApi
  - New input parameters:Owner
- CreatePlugin
  - New input parameters:Tags
- CreateUpstream
  - New input parameters:UpstreamType, Tags, HealthChecker
- ModifyUpstream
  - New input parameters:UpstreamType, HealthChecker

Modified data structures:

- ServiceConfig
  - New members:UpstreamId

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Release 14

Release time: 2022-03-23 10:59:48

Release updates:

Improvement to existing documentation.

New APIs:

- CreateUpstream
- DeleteUpstream
- DescribeUpstreamBindApis
- DescribeUpstreams
- ModifyUpstream

Modified APIs:

- CreateService
  - New input parameters:UniqVpcId

New data structures:

- BindApiInfo
- DescribeUpstreamBindApis
- DescribeUpstreamInfo
- K8sLabel
- K8sService
- UpstreamHealthChecker
- UpstreamHealthCheckerReqHeaders
- UpstreamInfo
- UpstreamNode

Modified data structures:

- CosConfig
  - New members:PathMatchMode
- CreateApiRsp
  - New members:Status, ErrMsg, ApiName

Release 13

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Release time: 2022-02-23 11:00:28

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateApi
  - New input parameters:EventBusId
- ModifyApi
  - New input parameters:EventBusId, ServiceScfFunctionType, EIAMAppType, EIAMAuthType, EIAMAppId, TokenTimeout

Release 12

Release time: 2022-01-20 11:44:55

Release updates:

Improvement to existing documentation.

New data structures:

- CosConfig

Modified data structures:

- ServiceConfig
  - New members:CosConfig

Release 11

Release time: 2021-12-27 10:52:54

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateApi
  - New input parameters:EIAMAppType, EIAMAuthType, TokenTimeout, EIAMAppId

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Release 10

Release time: 2021-12-03 10:24:59

Release updates:

Improvement to existing documentation.

Modified APIs:

- DescribeService
  - New output parameters:DeploymentType, SpecialUse

Modified data structures:

- Service
  - New members:DeploymentType

Release 9

Release time: 2021-08-17 15:21:18

Release updates:

Improvement to existing documentation.

New APIs:

- AttachPlugin
- BindApiApp
- CreateApiApp
- CreatePlugin
- DeleteApiApp
- DeletePlugin
- DescribeAllPluginApis
- DescribeApiApp
- DescribeApiAppBindApisStatus
- DescribeApiAppsStatus
- DescribeApiBindApiAppsStatus
- DescribeApiForApiApp
- DescribePlugin
- DescribePluginApis

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- DescribeServiceForApiApp
- DetachPlugin
- ModifyApiApp
- ModifyPlugin
- UnbindApiApp
- UpdateApiAppKey

Modified APIs:

- CreateApi
  - New input parameters:ServiceScfFunctionType

New data structures:

- ApiAppApiInfo
- ApiAppApiInfos
- ApiAppInfo
- ApiAppInfos
- ApiInfoSummary
- AttachedApiInfo
- AttachedApiSummary
- AvailableApiInfo
- Plugin

Release 8

Release time: 2021-07-13 17:03:09

Release updates:

Improvement to existing documentation.

Modified data structures:

- DomainSetList
  - New members:IsForcedHttps, RegistrationStatus

Release 7

Release time: 2021-05-19 14:45:21

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Release updates:

Improvement to existing documentation.

Modified APIs:

- DeleteService
  - New input parameters:SkipVerification

Release 6

Release time: 2021-05-10 15:44:57

Release updates:

Improvement to existing documentation.

New APIs:

- BuildAPIDoc
- CreateAPIDoc
- DeleteAPIDoc
- DescribeAPIDocDetail
- DescribeAPIDocs
- ModifyAPIDoc
- ResetAPIDocPassword

Modified APIs:

- CreateService
  - New input parameters:InstanceId
- DescribeService
  - New output parameters:InstanceId, InstanceName, SetType

New data structures:

- APIDoc
- APIDocInfo
- APIDocs

Modified data structures:

- EnvironmentStrategy

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- New members:MaxQuota
- Service
  - New members:InstanceId, SetType
- ServiceEnvironmentStrategy
  - New members:MaxStrategy

Release 5

Release time: 2021-02-03 17:21:08

Release updates:

Improvement to existing documentation.

Modified APIs:

- ModifyApi
  - New input parameters:IsBase64Encoded, IsBase64Trigger, Base64EncodedTriggerRules

Release 4

Release time: 2021-01-22 11:08:36

Release updates:

Improvement to existing documentation.

Modified APIs:

- BindSubDomain
  - New input parameters:IsForcedHttps
  - New output parameters:Result
- CreateApi
  - New input parameters:IsBase64Encoded
- ModifySubDomain
  - New input parameters:IsForcedHttps

New data structures:

- Base64EncodedTriggerRule

Modified data structures:

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- ApiInfo
  - New members:IsBase64Encoded, IsBase64Trigger, Base64EncodedTriggerRules

Release 3

Release time: 2020-12-16 10:20:30

Release updates:

Improvement to existing documentation.

Modified data structures:

- ApiInfo
  - New members:Environments

Release 2

Release time: 2020-11-24 17:16:30

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateService
  - New input parameters:Tags

Existing Release

Release time: 2020-08-13 23:12:11

Existing APIs/data structures are as follows:

Improvement to existing documentation.

Existing APIs:

- BindEnvironment
- BindIPStrategy
- BindSecretIds
- BindSubDomain

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- CreateApi
- CreateApiKey
- CreateIPStrategy
- CreateService
- CreateUsagePlan
- DeleteApi
- DeleteApiKey
- DeleteIPStrategy
- DeleteService
- DeleteServiceSubDomainMapping
- DeleteUsagePlan
- DemoteServiceUsagePlan
- DescribeApi
- DescribeApiEnvironmentStrategy
- DescribeApiKey
- DescribeApiKeysStatus
- DescribeApiUsagePlan
- DescribeApisStatus
- DescribeIPStrategy
- DescribeIPStrategyApisStatus
- DescribeIPStrategysStatus
- DescribeLogSearch
- DescribeService
- DescribeServiceEnvironmentList
- DescribeServiceEnvironmentReleaseHistory
- DescribeServiceEnvironmentStrategy
- DescribeServiceReleaseVersion
- DescribeServiceSubDomainMappings
- DescribeServiceSubDomains
- DescribeServiceUsagePlan
- DescribeServicesStatus
- DescribeUsagePlan
- DescribeUsagePlanEnvironments
- DescribeUsagePlanSecretIds
- DescribeUsagePlansStatus
- DisableApiKey
- EnableApiKey
- GenerateApiDocument

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- ModifyApi
- ModifyApiEnvironmentStrategy
- ModifyApiIncrement
- ModifyIPStrategy
- ModifyService
- ModifyServiceEnvironmentStrategy
- ModifySubDomain
- ModifyUsagePlan
- ReleaseService
- UnBindEnvironment
- UnBindIPStrategy
- UnBindSecretIds
- UnBindSubDomain
- UnReleaseService
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- UpdateService

Existing data structures:

- ApiEnvironmentStrategy
- ApiEnvironmentStrategyStataus
- ApiIdStatus
- ApiInfo
- ApiKey
- ApiKeysStatus
- ApiRequestConfig
- ApiUsagePlan
- ApiUsagePlanSet
- ApisStatus
- ConstantParameter
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- DocumentSDK
- DomainSetList
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- Environment
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- Filter
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- IPStrategyApi
- IPStrategyApiStatus
- IPStrategysStatus
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- MicroServiceReq
- OauthConfig
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- RequestParameter
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- UsagePlanBindSecretStatus
- UsagePlanEnvironment
- UsagePlanEnvironmentStatus
- UsagePlanInfo

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- UsagePlanStatusInfo
- UsagePlansStatus

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Introduction

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API Gateway is an API hosting service that provides full-lifecycle management of APIs, covering the creation, maintenance, release, operation, and decommissioning. You can use API Gateway to securely and reliably encapsulate your business, enabling the sharing of your data, business logic, or features with partners for seamless system integration and business collaboration.>**Note:**>- All APIs described in the API documentation conform to the OpenAPI 3.0 specification, and APIs related to new API Gateway features will be updated in the documentation.

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API Category

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Plugin APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AttachPlugin	Binds a plugin to an API	20
CreatePlugin	Creates a plugin	20
DeletePlugin	Deletes a plugin	20
DescribeAllPluginApis	Lists all APIs that can use this plugin	20
DescribePlugin	Queries details of a plugin	20
DescribePluginApis	Queries APIs bound with a plugin	20
DescribePluginsByApi	Queries all plug-ins bound with the API.	20
DetachPlugin	Unbinds an API from a plugin	20
ModifyPlugin	Modifies a plugin	20

Other APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateUpstream	Creates an upstream	20
DeleteUpstream	Deletes an upstream	20
DescribeUpstreamBindApis	Queries APIs bound with an upstream	20
DescribeUpstreams	Queries details of upstreams under the current account	20

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ModifyUpstream	Modifies an upstream	20

Application APIs

API Name	Feature	Frequency Limit (maximum requests per second)
BindApiApp	Binds application to API	20
CreateApiApp	Creates application	20
DeleteApiApp	Deletes application	20
DescribeApiApp	Searches for application	20
DescribeApiAppBindApisStatus	Queries the list of APIs bound to application	20
DescribeApiAppsStatus	Queries application list	20
DescribeApiBindApiAppsStatus	Queries the list of applications bound to API	20
DescribeApiForApiApp	Queries API details	20
DescribeServiceForApiApp	Queries service details	20
ModifyApiApp	Modifies application	20
UnbindApiApp	Unbinds application from API	20
UpdateApiAppKey	Updates an application key	20

Usage Plan APIs

API Name	Feature	Frequency Limit (maximum requests per second)
BindEnvironment	Binds usage plan to service or API	20
BindSecretIds	Binds key to usage plan	20
CreateUsagePlan	Creates usage plan	20

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DeleteUsagePlan	Deletes a usage plan	20
DemoteServiceUsagePlan	Demotes usage plan at service level	20
DescribeUsagePlan	Queries usage plan details	20
DescribeUsagePlanEnvironments	Queries the list of environments bound to usage plan	20
DescribeUsagePlanSecretIds	Queries the list of keys bound to usage plan	20
DescribeUsagePlansStatus	Queries usage plan list	20
ModifyUsagePlan	Modifies usage plan	20
UnBindEnvironment	Unbinds usage plan from service environment	20
UnBindSecretIds	Unbinds key from usage plan	20

IP Policy APIs

API Name	Feature	Frequency Limit (maximum requests per second)
BindIPStrategy	Binds IP policy to API	20
CreateIPStrategy	Creates service IP policy	20
DeleteIPStrategy	Deletes service IP policy	20
DescribeIPStrategy	Queries IP policy details	20
DescribeIPStrategyApisStatus	Queries the list of APIs bound to IP policy	20
DescribeIPStrategysStatus	Queries service IP policy list	20
ModifyIPStrategy	Modifies service IP policy	20
UnBindIPStrategy	Unbinds IP policy from service	20

Custom Domain Name APIs

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API Name	Feature	Frequency Limit (maximum requests per second)
BindSubDomain	Binds custom domain name to service	20
DeleteServiceSubDomainMapping	Deletes the path mapping of custom domain name	20
DescribeServiceSubDomainMappings	Queries the path mappings of custom domain name	20
DescribeServiceSubDomains	Queries custom domain name list	20
ModifySubDomain	Modifies the custom domain name of service	20
UnBindSubDomain	Unbinds custom domain name from service	20

API Document APIs

API Name	Feature	Frequency Limit (maximum requests per second)
BuildAPIDoc	Builds API document	20
CreateAPIDoc	Creates API document	20
DeleteAPIDoc	Deletes API document	20
DescribeAPIDocDetail	Queries the details of API document	20
DescribeAPIDocs	Queries the list of API documents	20
ModifyAPIDoc	Modifies API document	20
ResetAPIDocPassword	Resets the password of API document	20

OpenAPI APIs

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API Name	Feature	Frequency Limit (maximum requests per second)
CreateApi	Creates API	20
DeleteApi	Deletes API	20
DescribeApi	Queries API details	100
DescribeApiUsagePlan	Queries the details of API usage plans	20
DescribeApisStatus	Queries API list	20
ImportOpenApi	Imports OpenAPI	20
ModifyApi	Modifies API	20
ModifyApiIncrement	Updates API incrementally	20

Key APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateApiKey	Creates key	20
DeleteApiKey	Deletes key	20
DescribeApiKey	Queries key details	20
DescribeApiKeysStatus	Queries key list	20
DisableApiKey	Disables key	20
EnableApiKey	Enables key	20
UpdateApiKey	Updates key	20

Log APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeLogSearch	Searches for logs	20

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Service APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateService	Creates service	20
DeleteService	Deletes service	20
DescribeService	Queries service details	20
DescribeServiceEnvironmentList	Queries service environment list	20
DescribeServiceEnvironmentReleaseHistory	Queries release history in service environment	20
DescribeServiceReleaseVersion	Queries the published versions of service	20
DescribeServiceUsagePlan	Queries the usage plan details of service	20
DescribeServicesStatus	Queries service status	20
ModifyService	Modifies service	20
ReleaseService	Publishes service	20
UnReleaseService	Deactivates service	20
UpdateService	Updates service version	20

Throttling Policy APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeApiEnvironmentStrategy	Displays throttling policies bound to API	20
DescribeServiceEnvironmentStrategy	Displays service throttling policy	20
ModifyApiEnvironmentStrategy	Modifies API throttling policy	20

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ModifyServiceEnvironmentStrategy	Modifies service throttling policy	20

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Making API Requests
Request Structure

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1. Service Address

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

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

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4. Character Encoding

Only UTF-8 encoding is used.

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Common Params

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

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

Common parameters for Signature Algorithm v3

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

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

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

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

Example of an HTTP GET request structure:

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

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

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

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

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

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

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

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

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

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

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

10
--58731222010402--
```

Common parameters for Signature Algorithm v1

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

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

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

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

Example of an HTTP GET request structure:

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

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

Example of an HTTP POST request structure:

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

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

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

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Signature v3

Last updated：2024-04-08 15:10:41

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,

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

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

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

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

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

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

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

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

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

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

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

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

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

```
POST
/

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

content-type;host
99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907
```

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

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

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always `TC3-HMAC-SHA256` .
RequestTimestamp	Request timestamp, i.e., the value of the common parameter `X-TC-Timestamp` in request header, which is the UNIX timestamp of the current time in seconds, such as `1551113065` in this example.
CredentialScope	Scope of the credential in the format of `Date/service/tc3_request` , including date, requested service and termination string (tc3_request). **`Date` is a date in UT time, whose value should match the UTC date converted by the common parameter `X-TC-Timestamp` ;** `service` is the product name, which should m the domain name of the product called. The calculation result in this example is `2015/cvm/tc3_request` .

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

Note:

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

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

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

3. Calculating the Signature

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

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

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

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

2. Calculate the signature with the following pseudocode:

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

4. Concatenating the Authorization

The Authorization is concatenated as follows:

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

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

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

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

The following example shows a finished authorization header:

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

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

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

5. Signature Demo

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

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

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

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

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

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

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

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Java

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Python

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

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

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

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

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

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


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

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

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

Golang

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```go
package main

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

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

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

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

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

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```
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

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

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

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

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

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

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

Ruby

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

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

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

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

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```
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 \
```

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```
+ ' -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
```

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```
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);
```

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

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

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

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

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

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

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NodeJS

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

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

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

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

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

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

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

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

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```
+ 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()
```

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C++

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

using namespace std;

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

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

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

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

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

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

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

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

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```
return output;
}

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

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

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

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

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

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```
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).

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Signature

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

1. Applying for Security Credentials

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

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

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

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

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

2. Generating a Signature

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

Assume that the SecretId and SecretKey are:

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

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

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

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

2.1. Sorting Parameters

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

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

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

2.2. Concatenating a Request String

This step generates a request string.

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

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

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

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

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

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

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

The concatenation result of the example is:

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

2.4. Generating a Signature String

This step generates a signature string.

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

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

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

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

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

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

3. Encoding a Signature String

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

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

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

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

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

4. Signature Failure

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

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

5. Signature Demo

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

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

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

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

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

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

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

Java

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

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

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

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

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

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

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

Python

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

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

import requests

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

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

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

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

Golang

```
package main

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

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

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

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

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

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

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

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

PHP

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

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

ksort($param);

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

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

Ruby

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

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

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

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

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

DotNet

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

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

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

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

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

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

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

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```
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, '.');
```

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

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

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

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

strParam = sort_params(params)

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

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

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

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Responses

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Response for Successful Requests

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

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

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

Response for Failed Requests

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

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

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

Common Error Codes

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

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

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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.

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Plugin APIs
AttachPlugin

Last updated：2024-04-08 15:11:06

1. API Description

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

This API is used to bind a plugin to an API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AttachPlugin.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
PluginId	Yes	String	ID of the plugin to be bound.
ServiceId	Yes	String	Service ID.
EnvironmentName	Yes	String	API environment.
ApiIds.N	Yes	Array of String	List of APIs bound with the plugin.

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3. Output Parameters

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

4. Example

Example1 AttachPlugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=AttachPlugin
&ServiceId=Service-3fasdgrg
&PluginId=Plugin-3datbg1f
&EnvironmentName=release
&ApiIds.0=api-gesv1rfa
&ApiIds.1=api-9ads3g
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "bb85842c-c0d2-4543-8f4d-396a193babe8"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.InvalidInputJSON	
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
FailedOperation.TaskAlreadyExist	
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ReturnableException	
InvalidParameter.DuplicatePluginConfig	The plugin you want to bound conflicts with existing plugins.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.DuplicatePluginConfig	Duplicate plugin parameter values. Please modify and try again.

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InvalidParameterValue.InvalidEnvStatus	Invalid service environment status
InvalidParameterValue.InvalidServiceConfig	Invalid service configuration.
InvalidParameterValue.LimitExceeded	The number of parameters has reached the limit (100).
InvalidParameterValue.TrafficControl	
LimitExceeded.ServiceCountForPluginLimitExceeded	Too many services are bound to the plugin. Unbind some services or increase the quota, and try again.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidPlugin	The plugin does not exist.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.AttachPlugin	The current plugin cannot be bound.
UnsupportedOperation.BasicServiceNotAllowAttachPlugin	
UnsupportedOperation.InvalidEndpointType	Backend type not supported
UnsupportedOperation.UnpackError	

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CreatePlugin

Last updated：2024-04-08 15:11:06

1. API Description

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

This API is used to create an API Gateway plugin.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreatePlugin.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
PluginName	Yes	String	Custom plugin name. A plugin name should contain 2-50 characters out of a-z, A-Z, 0-9, and _, which must begin with a letter and end with a letter or a number.
PluginType	Yes	String	Plugin type. Valid values: `IPControl` , `TrafficControl` , `Cors` , `CustomReq` , `CustomAuth` , `Routing` , `TrafficControlByParameter` , `CircuitBreaker` , `ProxyCache`
PluginData	Yes	String	Plugin definition statement in json format
Description	No	String	Plugin description within 200 characters

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Tags.N	No	Array of Tag	Label

3. Output Parameters

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

4. Example

Example1 CreatePlugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreatePlugin
&PluginName=mytestPlugin
&PluginType=IPControl
&Description=IPControl
&PluginData={"blocks":"1.1.1.12","type":"black_list"}
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"PluginId": "plugin-qrboebt1",
"PluginName": "mytestPlugin",
"PluginType": "IPControl",
"Description": "IPControl",
"PluginData": "{\"blocks\":\"1.1.1.12\",\"type\":\"black_list\"}",
"CreatedTime": "2021-01-25T05:46:25Z",
"ModifiedTime": "2021-01-25T05:46:25Z",
"AttachedApiTotalCount": null,
```

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```
"AttachedApis": null
},
"RequestId": "b4ffe46b-ae2c-4ff1-911b-57fe15f3d95b"
}
}
```

Example2 Creating cache plugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreatePlugin
&PluginName=myCachePlugin
&PluginType=ProxyCache
&Description=myCachePlugin
&PluginData={"cache_key_params":[{"parameter":"param1","position":"header"},{"par
ameter":"param2","position":"query"},{"parameter":"param3","position":"path"}],"c
acheable_methods":["GET","POST"],"cacheable_response_codes":[200,301,404],"cache_
control":false,"ttl":300}
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"PluginId": "plugin-pbboebt1",
"PluginName": "myCachePlugin",
"PluginType": "ProxyCache",
"Description": "myCachePlugin",
"PluginData": "{\"cache_key_params\":[{\"parameter\":\"param1\",\"position\":\"he
ader\"},{\"parameter\":\"param2\",\"position\":\"query\"},{\"parameter\":\"param3
\",\"position\":\"path\"}],\"cacheable_methods\":[\"GET\",\"POST\"],\"cacheable_r
esponse_codes\":[200,301,404],\"cache_control\":false,\"ttl\":300}",
"CreatedTime": "2021-01-25T05:46:25Z",
"ModifiedTime": "2021-01-25T05:46:25Z",
"AttachedApiTotalCount": null,
"AttachedApis": null
},
"RequestId": "b4ffe46b-ae2c-4ff1-911b-57fe15f3d95a"
}
}
```

5. Developer Resources

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SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ServiceInOperation	The service is in use. Please try again later.
FailedOperation.TagBindServiceError	The tag was not bound to the specified service.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.TsfException	TSF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.VpcException	VPC internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.DuplicatePluginConfig	Duplicate plugin parameter values. Please modify and try again.

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InvalidParameterValue.InvalidApiRequestConfig	Invalid API configuration.
InvalidParameterValue.InvalidBackendPath	The backend service path configuration is incorrect.
InvalidParameterValue.InvalidClb	Invalid CLB configuration.
InvalidParameterValue.InvalidCondition	Policy error.
InvalidParameterValue.InvalidIPAddress	The value of the backend address parameter is incorrect.
InvalidParameterValue.InvalidPluginConfig	Plugin parameter value error. Please modify and try again.
InvalidParameterValue.InvalidPort	The backend service port is incorrect.
InvalidParameterValue.InvalidScfConfig	The SCF API parameters are invalid.
InvalidParameterValue.InvalidServiceConfig	Invalid service configuration.
InvalidParameterValue.InvalidServiceParam	The parameter configuration is incorrect, as the parameter is not configured in the backend parameter configuration list.
InvalidParameterValue.InvalidServiceType	The backend service type is incorrect. For backend services in WEBSOCKET type, the frontend protocol should be configured as WEBSOCKET.
InvalidParameterValue.InvalidUpstream	The backend channel does not exist or is invalid.
InvalidParameterValue.InvalidUrl	The URL parameters are invalid.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.LengthExceeded	The length of the parameter exceeds the limit.
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
InvalidParameterValue.ParameterValueLimitExceeded	The number of parameters exceeded limit.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
MissingParameter.BackendSpecificParam	The backend service parameter is missing.
MissingParameter.PluginConfig	Parameter is missing in the plugin. Please check and try again.

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UnauthorizedOperation.UncertifiedUser	The user has not passed identity verification.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.UnpackError	

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DeletePlugin

Last updated：2024-04-08 15:11:05

1. API Description

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

This API is used to delete an API Gateway plugin.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeletePlugin.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
PluginId	Yes	String	ID of the plugin to be deleted

3. Output Parameters

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

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

4. Example

Example1 DeletePlugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeletePlugin
&PluginId=Plugin-3datbg1f
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "bb85842c-c0d2-4543-8f4d-396a193babe8"
}
}
```

5. Developer Resources

SDK

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6. Error Code

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

Error Code	Description
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ReturnableException	
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidPlugin	The plugin does not exist.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.UnpackError	

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DescribeAllPluginApis

Last updated：2024-04-08 15:11:04

1. API Description

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

This API is used to list all APIs that can use this plugin, no matter whether the API is bound with the plugin.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAllPluginApis.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	ID of the service to be queried
PluginId	Yes	String	ID of the plugin to be queried
EnvironmentName	Yes	String	Environment information
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100
Offset	No	Integer	Offset. Default value: 0

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3. Output Parameters

Parameter Name	Type	Description
Result	ApiInfoSummary	List of APIs that ca use this plugin
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 DescribeAllPluginApis

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeAllPluginApis
&PluginId=Plugin-23sdcda
&EnvironmentName=release
&ServiceId=service-jzo37opy
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 2,
"ApiSet": [
{
"ApiId": "api-hjqpe4dg",
"ApiName": "notbind",
"ApiType": "NORMAL",
"Path": "/notbind",
"Method": "GET",
"IsAttached": false,
"AttachedOtherPlugin": false
},
{
"ApiId": "api-1clczx66",
"ApiName": "mock2",
"ApiType": "NORMAL",
```

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```
"Path": "/mock2",
"Method": "GET",
"IsAttached": false,
"AttachedOtherPlugin": true
}
]
},
"RequestId": "5aaeb03a-8f00-4644-95e8-6307b1690aa2"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.FormatError	The domain name format is incorrect.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.

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ResourceNotFound.InvalidPlugin	The plugin does not exist.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.

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DescribePlugin

Last updated：2024-04-08 15:11:04

1. API Description

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

This API is used to query the plugin details by plugin ID.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribePlugin.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
PluginId	Yes	String	ID of the plugin to be queried
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100
Offset	No	Integer	Offset. Default value: 0

3. Output Parameters

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Parameter Name	Type	Description
Result	Plugin	Plugin 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 DescribePlugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribePlugin
&PluginId=plugin-5xzwu9vh
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"PluginId": "plugin-5xzwu9vh",
"PluginName": "mynewplugins",
"PluginType": "IPControl",
"Description": "newmodify",
"PluginData": "{\"blocks\":\"1.1.1.1\",\"type\":\"black_list\"}",
"CreatedTime": "2021-01-26T03:00:34Z",
"ModifiedTime": "2021-01-26T04:14:01Z",
"AttachedApiTotalCount": 1,
"AttachedApis": [
{
"ServiceId": "service-2mvp5cwi",
"ServiceName": "clarescftest2",
"ServiceDesc": "",
"ApiId": "api-6wn5mmfq",
"ApiName": "eee",
"ApiDesc": "",
"Environment": "release",
"AttachedTime": "2021-01-26T04:17:41Z"
}
]
```

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```
},
"RequestId": "d1f768f4-ef4f-49e7-8117-4e12f720e355"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.CamException	
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidPlugin	The plugin does not exist.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.

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DescribePluginApis

Last updated：2024-04-08 15:11:03

1. API Description

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

This API is used to query APIs bound with a specified plugin.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribePluginApis.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
PluginId	Yes	String	ID of the plugin to be queried
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100
Offset	No	Integer	Offset. Default value: 0

3. Output Parameters

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

4. Example

Example1 DescribePluginApis

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribePluginApis
&PluginId=Plugin-23sdcda
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 2,
"AttachedApis": [
{
"ServiceId": "service-jzo37opy",
"ServiceName": "clareplugin",
"ServiceDesc": "",
"ApiId": "api-1vkzehtw",
"ApiName": "mock3",
"ApiDesc": "",
"Environment": "release",
"AttachedTime": "2021-01-25T07:14:27Z"
},
{
"ServiceId": "service-jzo37opy",
"ServiceName": "clareplugin",
"ServiceDesc": "",
"ApiId": "api-buz84890",
"ApiName": "mock",
"ApiDesc": "",
```

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```
"Environment": "release",
"AttachedTime": "2021-01-25T06:56:58Z"
}
]
},
"RequestId": "f373cf5c-dddf-4263-98af-834fd0b773cf"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue	The parameter value is incorrect.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
ResourceNotFound.InvalidPlugin	The plugin does not exist.

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UnauthorizedOperation.AccessResource	You do not have permission to access the resource.

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DescribePluginsByApi

Last updated：2024-04-08 15:11:02

1. API Description

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

This API is used to query all plug-ins bound with the API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribePluginsByApi.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiId	Yes	String	ID of the API to query
ServiceId	Yes	String	ID of the service to query
EnvironmentName	No	String	Environment information
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100
Offset	No	Integer	Offset. Default value: 0

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3. Output Parameters

Parameter Name	Type	Description
Result	AttachedPluginSummary	List of plug-ins bound with the API
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 DescribeAvailablePluginApis

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribePluginsByApi
&ApiId=api-fa23vfd
&EnvironmentName=release
&ServiceId=service-o5as3moe
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"PluginSummary": [
{
"PluginId": "plugin-9l0d4sdf",
"PluginName": "onlyname",
"PluginType": "IPControl",
"Description": "modifyDesc",
"PluginData": "{\"blocks\":\"1.1.1.1\",\"type\":\"black_list\"}",
"Environment": "release",
"AttachedTime": "2021-01-25T06:56:58Z"
}
]
},
"RequestId": "4effd8e7-abd0-4f95-a881-301d68d9985e"
```

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```
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.InvalidAction	API error.

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DetachPlugin

Last updated：2024-04-08 15:11:02

1. API Description

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

This API is used to unbind an API from the plugin.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DetachPlugin.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
PluginId	Yes	String	ID of the plugin to be unbound
ServiceId	Yes	String	Service ID
EnvironmentName	Yes	String	API environment
ApiId	Yes	String	ID of the API to unbind from the plugin

3. Output Parameters

Parameter	Type	Description

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

4. Example

Example1 DetachPlugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DetachPlugin
&ServiceId=Service-3fasdgrg
&PluginId=Plugin-3datbg1f
&EnvironmentName=release
&ApiId=api-gesv1rfa
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "bb85842c-c0d2-4543-8f4d-396a193babe8"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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6. Error Code

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

Error Code	Description
FailedOperation.ServiceError	Service error.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidApiIds	Incorrect API ID
InvalidParameterValue.InvalidEnvStatus	Invalid service environment status
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidPlugin	The plugin does not exist.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.UnpackError	

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ModifyPlugin

Last updated：2024-04-08 15:11:01

1. API Description

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

This API is used to modify a plugin.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyPlugin.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
PluginId	Yes	String	ID of the plugin to be modified
PluginName	No	String	Plugin name to be modified. A plugin name can contain up to 50 characters out of `a-z`, `A-Z`, `0-9`, and `_`, which must begin with a letter and end with a letter or a number.
Description	No	String	Plugin description to be modified. A description is within 200 characters.
PluginData	No	String	Plugin definition statement to be modified. The json format is supported.

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3. Output Parameters

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

4. Example

Example1 ModifyPlugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyPlugin
&PluginName=newplugin
&PluginId=plugin-3datbg1f
&Description=Modify a plugin
&PluginData={"type":"white_list","blocks":"172.3.1.4"}
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "bb85842c-c0d2-4543-8f4d-396a193babe8"
}
}
```

Example2 Modifying cache plugin

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyPlugin
&PluginName=newplugin
&PluginId=plugin-pbboebt1
&Description=modify_cache_plugin
&PluginData={"cache_key_params":[{"parameter":"param1","position":"header"},{"par
```

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```
ameter":"param2","position":"query"},{"parameter":"param3","position":"path"}],"c
acheable_methods":["GET","POST"],"cacheable_response_codes":[200,301,404],"cache_
control":false,"ttl":300}
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "ab85842c-c0d2-4543-8f4d-396a193babe8"
}
}
```

5. Developer Resources

SDK

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

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

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6. Error Code

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

Error Code	Description

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FailedOperation.FormatError	The domain name format is incorrect.
FailedOperation.GetRoleError	Failed to get the role. Please make sure that relevant API Gateway service APIs have been authorized.
FailedOperation.InvalidInputJSON	
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ReturnableException	
InternalError.TsfException	TSF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.VpcException	VPC internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.DuplicatePluginConfig	Duplicate plugin parameter values. Please modify and try again.
InvalidParameterValue.InvalidApiRequestConfig	Invalid API configuration.
InvalidParameterValue.InvalidBackendPath	The backend service path configuration is incorrect.
InvalidParameterValue.InvalidClb	Invalid CLB configuration.
InvalidParameterValue.InvalidCondition	Policy error.
InvalidParameterValue.InvalidIPAddress	The value of the backend address parameter is incorrect.
InvalidParameterValue.InvalidPluginConfig	Plugin parameter value error. Please modify and try again.
InvalidParameterValue.InvalidPort	The backend service port is incorrect.
InvalidParameterValue.InvalidRequestParameters	Invalid request parameter.
InvalidParameterValue.InvalidScfConfig	The SCF API parameters are invalid.
InvalidParameterValue.InvalidServiceConfig	Invalid service configuration.
InvalidParameterValue.InvalidServiceParam	The parameter configuration is incorrect, as the parameter is not configured in the backend parameter configuration list.

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InvalidParameterValue.InvalidServiceType	The backend service type is incorrect. For backend services in WEBSOCKET type, the frontend protocol should be configured as WEBSOCKET.
InvalidParameterValue.InvalidTsfConfig	Incorrect configuration of the TSF-type API.
InvalidParameterValue.InvalidUpstream	The backend channel does not exist or is invalid.
InvalidParameterValue.InvalidUrl	The URL parameters are invalid.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.LengthExceeded	The length of the parameter exceeds the limit.
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
MissingParameter.BackendSpecificParam	The backend service parameter is missing.
MissingParameter.PluginConfig	Parameter is missing in the plugin. Please check and try again.
ResourceNotFound.InvalidPlugin	The plugin does not exist.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.UnpackError	

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Other APIs
CreateUpstream

Last updated：2024-04-08 15:11:10

1. API Description

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

This API is used to create an upstream.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateUpstream.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Scheme	Yes	String	Backend protocol. Valid values: `HTTP` , `HTTPS`
Algorithm	Yes	String	Load balancing algorithm. Valid value: `ROUND-ROBIN`
UniqVpcId	Yes	String	Unique VPC ID

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UpstreamName	No	String	Upstream name
UpstreamDescription	No	String	Upstream description
UpstreamType	No	String	Upstream access type. Valid values: `IP_PORT` , `K8S`
Retries	No	Integer	Retry attempts. It defaults to `3` .
UpstreamHost	No	String	The Host request header that forwarded from the gateway to backend
Nodes.N	No	Array of UpstreamNode	Backend nodes
Tags.N	No	Array of Tag	Label
HealthChecker	No	UpstreamHealthChecker	Health check configuration
K8sService.N	No	Array of K8sService	Configuration of TKE service

3. Output Parameters

Parameter Name	Type	Description
UpstreamId	String	The unique upstream ID returned Note: This field may return `NULL` , indicating that no valid value was found.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 upstream

This example shows you how to create an upstream.

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreateUpstream
&Retries=1
&UpstreamName=test
```

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```
&Algorithm=ROUND_ROBIN
&UniqVpcId=vpc-sadada
&UpstreamType=IP_PORT
&UpstreamHost=www.a.com
&UpstreamDescription=test
&Scheme=instance-HTTP
&Nodes.0.VmInstanceId=ins-saadas
&Nodes.0.Host=127.0.0.1
&Nodes.0.Port=80
&Nodes.0.Weight=100
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"UpstreamId": "upstream-0c96l2bo",
"RequestId": "b3197c48-53fb-46df-b721-df4424cf8be9"
}
}
```

5. Developer Resources

SDK

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

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6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
FailedOperation.OperateUpstream	Backend error
FailedOperation.TagBindServiceError	The tag was not bound to the specified service.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation	Unsupported operation.

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DeleteUpstream

Last updated：2024-04-08 15:11:09

1. API Description

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

This API is used to delete an upstream. Note that you can only delete an upstream when it's not bound with any APIs.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteUpstream.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UpstreamId	Yes	String	ID of the upstream to be deleted

3. Output Parameters

Parameter Name	Type	Description
UpstreamId	String	ID of the deleted upstream Note: This field may return `NULL` , indicating that no valid value was found.

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 upstream

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteUpstream
&UpstreamId=“upstream-0c96l2bo”
&<Common request parameters>
```

Output Example

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

5. Developer Resources

SDK

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6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.UnsupportedDeleteUpstream	Operation failed: There are resources associated with this upstream.

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DescribeUpstreamBindApis

Last updated：2024-04-08 15:11:08

1. API Description

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

This API is used to query APIs bound with an upstream.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeUpstreamBindApis.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Limit	Yes	Integer	Number of entries per page
Offset	Yes	Integer	The starting position of paging
UpstreamId	Yes	String	Upstream ID
Filters.N	No	Array of Filter	Filters the results by `ServiceId` and `ApiId`

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3. Output Parameters

Parameter Name	Type	Description
Result	DescribeUpstreamBindApis	Query 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 Querying the list of APIs bound with an upstream

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeUpstreamBindApis
&UpstreamId=“upstream-0c96l2bo”
&Limit=1
&Offset=0
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"BindApiSet": [
{
"ApiId": "xx",
"ServiceName": "xx",
"BindTime": "2020-09-22T00:00:00+00:00",
"ApiName": "xx",
"ServiceId": "xx"
}
]
},
"RequestId": "xx"
}
}
```

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5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.

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ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation	Unsupported operation.

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DescribeUpstreams

Last updated：2024-04-08 15:11:08

1. API Description

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

This API is used to query details of upstreams under the current account.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeUpstreams.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Limit	Yes	Integer	Number of entries per page
Offset	Yes	Integer	The starting position of paging
Filters.N	No	Array of Filter	Filters. Valid values: `UpstreamId` and `UpstreamName`

3. Output Parameters

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Parameter Name	Type	Description
Result	DescribeUpstreamInfo	Query 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 Querying upstreams under the current account

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeUpstreams
&Limit=1
&Offset=0
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"UpstreamSet": [
{
"Retries": 1,
"Algorithm": "xx",
"UniqVpcId": "xx",
"Tags": [
{
"Value": "xx",
"Key": "xx"
}
],
"UpstreamType": "xx",
"UpstreamHost": "xx",
"UpstreamId": "xx",
"K8sServices": [
{
"Name": "xx",
```

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```
"Weight": 0,
"ClusterId": "xx",
"Namespace": "xx",
"ServiceName": "xx",
"ExtraLabels": [
{
"Value": "xx",
"Key": "xx"
}
],
"Port": 0
}
],
"UpstreamName": "xx",
"HealthChecker": {
"UnhealthyTimeout": 1,
"ActiveCheckInterval": 1,
"ActiveRequestHeader": [
{}
],
"TimeoutThreshold": 1,
"HealthyHttpStatus": "xx",
"TcpFailureThreshold": 1,
"EnableActiveCheck": true,
"UnhealthyHttpStatus": "xx",
"ActiveCheckHttpPath": "xx",
"EnablePassiveCheck": true,
"HttpFailureThreshold": 1,
"ActiveCheckTimeout": 1
},
"CreatedTime": "2020-09-22T00:00:00+00:00",
"Nodes": [
{
"Weight": 1,
"Tags": [
"xx"
],
"Healthy": "xx",
"ClusterId": "xx",
"NameSpace": "xx",
"Source": "xx",
"VmInstanceId": "xx",
"Host": "xx",
"ServiceName": "xx",
"UniqueServiceName": "xx",
"Port": 1
}
```


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```
],
"Scheme": "xx",
"UpstreamDescription": "xx"
}
]
},
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.

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FailedOperation	Operation failed.
FailedOperation.CamException	
InternalError	Internal error.
InternalError.CamException	
InvalidParameter	Incorrect parameter.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.RequestPostError	

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ModifyUpstream

Last updated：2024-04-08 15:11:07

1. API Description

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

This API is used to modify an upstream.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyUpstream.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UpstreamId	Yes	String	Unique upstream ID
UpstreamName	No	String	Upstream name
UpstreamDescription	No	String	Upstream description
Scheme	No	String	Backend protocol. Valid values: `HTTP`, `HTTPS`
UpstreamType	No	String	Upstream access type. Valid values:

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			`IP_PORT` , `K8S`
Algorithm	No	String	Load balancing algorithm. Valid value: `ROUND_ROBIN`
UniqVpcId	No	String	Unique VPC ID.
Retries	No	Integer	Retry attempts. It defaults to `3` .
UpstreamHost	No	String	Gateway forwarding to the upstream Host request header
Nodes.N	No	Array of UpstreamNode	List of backend nodes
HealthChecker	No	UpstreamHealthChecker	Health check configuration
K8sService.N	No	Array of K8sService	Configuration of TKE service

3. Output Parameters

Parameter Name	Type	Description
Result	UpstreamInfo	Return modified upstream information Note: This field may return `NULL` , indicating that no valid value was found.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 an upstream

This example shows you how to modify attributes of an upstream.

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyUpstream
&UpstreamId=upstream-0c96l2bo
&Retries=4
&UpstreamName=test
&UpstreamHost=www.a.com
```

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```
&UpstreamDescription=test
&<Common Request Parameters>
```

Output Example


```
{
"Response": {
"Result": {
"UpstreamId": "abc",
"UpstreamName": "abc",
"UpstreamDescription": "abc",
"Scheme": "abc",
"Algorithm": "abc",
"UniqVpcId": "abc",
"Retries": 1,
"Nodes": [
{
"VmInstanceId": "abc",
"Host": "abc",
"Port": 1,
"Weight": 1,
"Tags": [
"abc"
],
"Healthy": "abc",
"ServiceName": "abc",
"NameSpace": "abc",
"ClusterId": "abc",
"Source": "abc",
"UniqueServiceName": "abc"
}
],
"CreatedTime": "2020-09-22T00:00:00+00:00",
"HealthChecker": {
"EnableActiveCheck": true,
"EnablePassiveCheck": true,
"ActiveCheckHttpPath": "abc",
"ActiveCheckTimeout": 1,
"ActiveCheckInterval": 1,
"ActiveRequestHeader": [
{}
],
"UnhealthyTimeout": 1,
"HealthyHttpStatus": "abc",
"UnhealthyHttpStatus": "abc",
"TcpFailureThreshold": 1,
```


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```
"TimeoutThreshold": 1,
"HttpFailureThreshold": 1
},
"UpstreamType": "abc",
"K8sServices": [
{
"Name": "abc",
"Weight": 0,
"ClusterId": "abc",
"Namespace": "abc",
"ServiceName": "abc",
"Port": 0,
"ExtraLabels": [
{
"Key": "abc",
"Value": "abc"
}
]
}
],
"UpstreamHost": "abc"
},
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
FailedOperation.OperateUpstream	Backend error
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidUpstream	The backend channel does not exist or is invalid.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation	Unsupported operation.

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Application APIs
BindApiApp

Last updated：2024-04-08 15:11:38

1. API Description

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

This API is used to bind an application to an API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: BindApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppId	Yes	String	Unique ID of the application to be bound.
Environment	Yes	String	Environment to be bound.
ServiceId	Yes	String	Unique ID of the service to be bound.
ApiId	Yes	String	Unique ID of the API to be bound.

3. Output Parameters

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Parameter Name	Type	Description
Result	Boolean	Whether binding succeeded. 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 BindApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=BindApiApp
&ApiAppId=app-kzofrjbl
&Environment=test
&ServiceId=service-ody35h5e
&ApiId=api-c6piso8y
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "a6c567f9-7a55-43b9-81d2-f721da5e271a"
}
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApiError	API error.
FailedOperation.ApiInOperation	The API is being manipulated. Please try again later.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidEnv	The value of the `Env` parameter is incorrect. Its valid values are (release, prepub, test).
LimitExceeded.ApiAppCountLimitExceeded	Number of applications bound with the service reaches the upper limit.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiApp	The application ID is incorrect.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.
UnsupportedOperation.UnsupportedBindEnvironment	The environment cannot be bound.

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CreateApiApp

Last updated：2024-04-08 15:11:37

1. API Description

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

This API is used to create an application.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppName	Yes	String	Custom application name.
ApiAppDesc	No	String	Application description

3. Output Parameters

Parameter Name	Type	Description
Result	ApiAppInfo	New application details.

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		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 CreateApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreateApiApp
&ApiAppName=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"ApiAppName": "testapp",
"ApiAppId": "app-kzofrjbl",
"ApiAppKey": "XXX",
"ApiAppSecret": "XXX",
"CreatedTime": "2020-12-01T10:44:55Z",
"ModifiedTime": "2020-12-01T10:44:55Z",
"ApiAppDesc": "first app"
},
"RequestId": "ad5218b4-edc3-4195-ba4d-a0ef176783ba"
}
}
```

5. Developer Resources

SDK

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

- Tencent Cloud SDK 3.0 for Python

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.AccessKeyExist	The custom key already exists.
FailedOperation.TagBindServiceError	The tag was not bound to the specified service.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
LimitExceeded.ApiAppCountLimitExceeded	Number of applications bound with the service reaches the upper limit.
LimitExceeded.ApiKeyCountLimitExceeded	The number of keys exceeds the limit.
UnsupportedOperation.UnpackError	

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DeleteApiApp

Last updated：2024-04-08 15:11:36

1. API Description

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

This API is used to delete a created application.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppId	Yes	String	Unique application ID.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether deletion succeeded. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 DeleteApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteApiApp
&ApiAppId=app-e92i2jds
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

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6. Error Code

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

Error Code	Description
FailedOperation.ApiError	API error.
FailedOperation.ApiInOperation	The API is being manipulated. Please try again later.
FailedOperation.GetRoleError	Failed to get the role. Please make sure that relevant API Gateway service APIs have been authorized.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiApp	The application ID is incorrect.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.
UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.
UnsupportedOperation.UnsupportedDeleteApi	The current API has already been bound to a business API. Please unbind it and try again.

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DescribeApiApp

Last updated：2024-04-08 15:11:36

1. API Description

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

This API is used to search for an application by application ID.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppId	Yes	String	Application ID.

3. Output Parameters

Parameter Name	Type	Description
Result	ApiAppInfos	Application details. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 DescribeApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiApp
&ApiAppId=app-kzofrjbl
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiAppSet": [
{
"ApiAppName": "testapp",
"ApiAppId": "app-kzofrjbl",
"ApiAppKey": "",
"ApiAppSecret": "",
"CreatedTime": "2020-12-01T10:44:55Z",
"ModifiedTime": "2020-12-01T10:44:55Z",
"ApiAppDesc": ""
}
]
},
"RequestId": "98f5e9a5-c31d-470c-a7a9-325dcbb41d5b"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.

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DescribeApiAppBindApisStatus

Last updated：2024-04-08 15:11:35

1. API Description

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

This API is used to query the list of APIs bound to an application.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiAppBindApisStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppId	Yes	String	Application ID
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. Valid values: ApiId, ApiName, ServiceId, Environment, KeyWord (match with `name` or ID).

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3. Output Parameters

Parameter Name	Type	Description
Result	ApiAppApiInfos	List of APIs bound to the application. 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 DescribeApiAppBindApisStatus

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiAppBindApisStatus
&ApiAppId=app-kzofrjbl
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiAppApiSet": [
{
"ApiAppId": "app-kzofrjbl",
"ApiAppName": "testapp",
"ApiId": "api-c6piso8y",
"ApiName": "dsadasd",
"ServiceId": "service-j0fmd8x0",
"ApiRegion": "chongqing",
"EnvironmentName": "release",
"AuthorizedTime": "2020-12-03 14:58:04"
}
]
},
"RequestId": "98f5e9a5-c31d-470c-a7a9-325dcbb41d5b"
```

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```
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.

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DescribeApiAppsStatus

Last updated：2024-04-08 15:11:34

1. API Description

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

This API is used to query the application list.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiAppsStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. Valid values: ApiAppId, ApiAppName, KeyWord (match with `name` or ID).

3. Output Parameters

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Parameter Name	Type	Description
Result	ApiAppInfos	Application 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 DescribeApiAppsStatus

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiAppsStatus
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiAppSet": [
{
"ApiAppName": "testapp",
"ApiAppId": "app-kzofrjbl",
"ApiAppKey": "xxx",
"ApiAppSecret": "xxx",
"CreatedTime": "2020-12-01T10:44:55Z",
"ModifiedTime": "2020-12-01T10:44:55Z",
"ApiAppDesc": "first app"
}
]
},
"RequestId": "98f5e9a5-c31d-470c-a7a9-325dcbb41d5b"
}
}
```

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5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.CamException	
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
InvalidParameterValue.InvalidTagValues	Incorrect tag parameters
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.RequestPostError	

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DescribeApiBindApiAppsStatus

Last updated：2024-04-08 15:11:34

1. API Description

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

This API is used to query the list of applications bound to an API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiBindApiAppsStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Service ID
ApiIds.N	Yes	Array of String	Array of API IDs
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of	Filter. Valid values: ApiAppId, Environment, KeyWord (match with

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		Filter	`name` or ID).

3. Output Parameters

Parameter Name	Type	Description
Result	ApiAppApiInfos	List of APIs bound to the application. 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 DescribeApiBindApiAppsStatus

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiBindApiAppsStatus
&ApiIds.0=api-3v4tzy3u
&ApiIds.1=api-59xzaum4
&ServiceId=service-miqoaf3c
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiAppApiSet": [
{
"ApiAppId": "app-kzofrjbl",
"ApiAppName": "testapp",
"ApiId": "api-c6piso8y",
"ApiName": "dsadasd",
"ServiceId": "service-j0fmd8x0",
"ApiRegion": "chongqing",
"EnvironmentName": "release",
```

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```
"AuthorizedTime": "2020-12-03 14:58:04"
}
]
},
"RequestId": "98f5e9a5-c31d-470c-a7a9-325dcbb41d5b"
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.

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DescribeApiForApiApp

Last updated：2024-04-08 15:11:33

1. API Description

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

This API is used to query the details of an API deployed at API Gateway.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiForApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of the API
ApiId	Yes	String	Unique API ID
ApiRegion	Yes	String	API region

3. Output Parameters

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Parameter Name	Type	Description
Result	ApiInfo	API 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 DescribeApiForApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiForApiApp
&ServiceId=service-ody35h5e
&ApiId=api-3v4tzy3u
&ApiRegion=ap-guangzhou
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": {
"EnableCORS": false,
"ServiceDesc": "xx",
"RequestParameters": [
{
"Name": "xx",
"DefaultValue": "xx",
"Required": true,
"Position": "xx",
"Type": "xx",
"Desc": "xx"
}
],
"InternalDomain": "xx",
"RequestConfig": {
"Path": "xx",
"Method": "xx"
},
"ServiceWebsocketRegisterFunctionQualifier": "xx",
```

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```
"MicroServices": [
{
"MicroServiceName": "xx",
"ClusterId": "xx",
"NamespaceId": "xx"
}
],
"ServiceWebsocketRegisterFunctionNamespace": "xx",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"ConstantParameters": [
{
"Position": "xx",
"DefaultValue": "xx",
"Name": "xx",
"Desc": "xx"
}
],
"ServiceTsfLoadBalanceConf": {
"SessionStickRequired": true,
"IsLoadBalance": true,
"SessionStickTimeout": 0,
"Method": "xx"
},
"ServiceWebsocketTransportFunctionNamespace": "xx",
"ServiceScfFunctionQualifier": "xx",
"ServiceScfIsIntegratedResponse": true,
"ServiceWebsocketTransportFunctionName": "xx",
"ResponseSuccessExample": "xx",
"ServiceConfig": {
"Product": "xx",
"UniqVpcId": "xx",
"Url": "xx",
"UpstreamId": "xx",
"Path": "xx",
"Method": "xx"
},
"Tags": [
{
"Value": "xx",
"Key": "xx"
}
],
"ServiceParameters": [
{
"RelevantRequestParameterPosition": "xx",
"Name": "xx",
"RelevantRequestParameterDesc": "xx",
```


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```
"DefaultValue": "xx",
"RelevantRequestParameterName": "xx",
"Position": "xx"
}
],
"ServiceScfFunctionNamespace": "xx",
"ServiceWebsocketRegisterFunctionName": "xx",
"ServiceWebsocketTransportFunctionQualifier": "xx",
"IsDebugAfterCharge": false,
"ApiBusinessType": "xx",
"ApiName": "xx",
"Base64EncodedTriggerRules": [
{
"Name": "xx",
"Value": [
"xx"
]
},
{
"Name": "xx",
"Value": [
"xx"
]
}
],
"ResponseFailExample": "xx",
"ResponseType": "xx",
"AuthType": "xx",
"ServiceTimeout": 15,
"ServiceName": "xx",
"ApiDesc": "xx",
"ServiceWebsocketCleanupFunctionQualifier": "xx",
"OauthConfig": {
"PublicKey": "xx",
"LoginRedirectUrl": "xx",
"TokenLocation": "xx"
},
"IsBase64Trigger": false,
"ServiceScfFunctionName": "xx",
"ServiceTsfHealthCheckConf": {
"RequestVolumeThreshold": 0,
"SleepWindowInMilliseconds": 0,
"ErrorThresholdPercentage": 0,
"IsHealthCheck": true
},
"ServiceMockReturnMessage": "xx",
"ResponseErrorCodes": [
```


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```
{
"Msg": "xx",
"NeedConvert": true,
"Code": 0,
"ConvertedCode": 0,
"Desc": "xx"
}
],
"ServiceType": "xx",
"AuthRelationApiId": "xx",
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"MicroServicesInfo": [
0
],
"ApiId": "xx",
"Environments": [
"xx"
],
"ApiType": "xx",
"ServiceId": "xx",
"ServiceWebsocketCleanupFunctionName": "xx",
"Protocol": "xx",
"IsBase64Encoded": false,
"ServiceWebsocketCleanupFunctionNamespace": "xx"
},
"RequestId": "xx"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ApiError	API error.
FailedOperation.ServiceNotExist	The service does not exist.
InternalError	Internal error.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ReturnableException	
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.UnpackError	

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DescribeServiceForApiApp

Last updated：2024-04-08 15:11:32

1. API Description

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

This API is used to query the details of a service, such as its description, domain name, and protocol.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeServiceForApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be queried.
ApiRegion	Yes	String	Service region.

3. Output Parameters

Parameter Name	Type	Description

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ServiceId	String	Unique service ID.
AvailableEnvironments	Array of String	Service environment list. Note: this field may return null, indicating that no valid values can be obtained.
ServiceName	String	Service name. Note: this field may return null, indicating that no valid values can be obtained.
ServiceDesc	String	Service description. Note: this field may return null, indicating that no valid values can be obtained.
Protocol	String	Protocol supported by service. Valid values: http, https, http&https.
CreatedTime	Timestamp ISO8601	Service creation time. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Service modification time. Note: this field may return null, indicating that no valid values can be obtained.
ExclusiveSetName	String	Self-Deployed cluster name. Note: this field may return null, indicating that no valid values can be obtained.
NetTypes	Array of String	Network type list. INNER: private network access; OUTER: public network access.
InternalSubDomain	String	Subdomain name for private network access.
OuterSubDomain	String	Subdomain name for public network access.
InnerHttpPort	Integer	Service port number for HTTP access over private network.
InnerHttpsPort	Integer	Port number for HTTPS access over private network.
ApiTotalCount	Integer	Total number of APIs. Note: this field may return null, indicating that no valid values can be obtained.
ApiIdStatusSet	Array of ApiIdStatus	API list. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanTotalCount	Integer	Total number of usage plans.

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		Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanList	Array of UsagePlan	Usage plan array. Note: this field may return null, indicating that no valid values can be obtained.
IpVersion	String	IP version. Note: this field may return null, indicating that no valid values can be obtained.
UserType	String	Service user type. Note: this field may return null, indicating that no valid values can be obtained.
SetId	Integer	Reserved field. Note: this field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Tag bound to the service. 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 DescribeServiceForApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceForApiApp
&ServiceId=service-rypiqi13
&ApiRegion=ap-guangzhou
&<Common request parameters>
```

Output Example

```
{
"Response": {
"ServiceDesc": "xx",
```

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```
"CreatedTime": "2020-09-22T00:00:00+00:00",
"SetId": 1,
"InnerHttpsPort": 0,
"InnerHttpPort": 0,
"Tags": [
{
"Value": "xx",
"Key": "xx"
}
],
"NetTypes": [
"OUTER"
],
"IpVersion": "xx",
"UserType": "xx",
"UsagePlanList": [
{
"MaxRequestNumPreSec": 0,
"UsagePlanId": "xx",
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"UsagePlanDesc": "xx",
"Environment": "xx",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"UsagePlanName": "xx"
}
],
"OuterSubDomain": "xx",
"UsagePlanTotalCount": 0,
"ApiIdStatusSet": [
{
"AuthType": "xx",
"Protocol": "xx",
"UniqVpcId": "xx",
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"OauthConfig": {
"PublicKey": "xx",
"LoginRedirectUrl": "xx",
"TokenLocation": "xx"
},
"ApiId": "xx",
"AuthRelationApiId": "xx",
"ApiDesc": "xx",
"ApiType": "xx",
"ApiBusinessType": "xx",
"ServiceId": "xx",
"ApiName": "xx",
"Path": "xx",
```


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```
"CreatedTime": "2020-09-22T00:00:00+00:00",
"RelationBuniessApiIds": [
"xx"
],
"IsDebugAfterCharge": false,
"Method": "xx",
"TokenLocation": "xx"
}
],
"ServiceName": "xx",
"RequestId": "xx",
"Protocol": "xx",
"ApiTotalCount": 1,
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"ExclusiveSetName": "xx",
"AvailableEnvironments": [
"release"
],
"ServiceId": "xx",
"InternalSubDomain": "xx"
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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ModifyApiApp

Last updated：2024-04-08 15:11:32

1. API Description

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

This API is used to modify a created API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppId	Yes	String	Unique application ID.
ApiAppName	No	String	Modified application name
ApiAppDesc	No	String	Modified application description

3. Output Parameters

Parameter Name	Type	Description

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Result	Boolean	Whether modification succeeded. 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 ModifyApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyApiApp
&ApiAppId=app-e92i2jds
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ApiError	API error.
FailedOperation.ApiInOperation	The API is being manipulated. Please try again later.
FailedOperation.GetRoleError	Failed to get the role. Please make sure that relevant API Gateway service APIs have been authorized.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ScfException	SCF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiApp	The application ID is incorrect.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.
UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.
UnsupportedOperation.UnsupportedDeleteApi	The current API has already been bound to a business API. Please unbind it and try again.

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UnbindApiApp

Last updated：2024-04-08 15:11:31

1. API Description

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

This API is used to unbind an application from an API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnbindApiApp.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppId	Yes	String	Unique ID of the application to be bound.
Environment	Yes	String	Environment to be bound.
ServiceId	Yes	String	Unique ID of the service to be bound.
ApiId	Yes	String	Unique ID of the API to be bound.

3. Output Parameters

Parameter	Type	Description

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Name		
Result	Boolean	Whether unbinding succeeded. 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 UnbindApiApp

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UnbindApiApp
&ApiAppId=app-kzofrjbl
&Environment=test
&ServiceId=service-ody35h5e
&ApiId=api-c6piso8y
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "a6c567f9-7a55-43b9-81d2-f721da5e271a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ServiceInOperation	The service is in use. Please try again later.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ReturnableException	
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidEnv	The value of the `Env` parameter is incorrect. Its valid values are (release, prepub, test).
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiApp	The application ID is incorrect.
UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.
UnsupportedOperation.ResourceUnassociated	The resource is not associated.
UnsupportedOperation.UnsupportedBindEnvironment	The environment cannot be bound.

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UpdateApiAppKey

Last updated：2024-04-08 15:11:30

1. API Description

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

This API is used to update an application 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	Common Params. The value used for this API: UpdateApiAppKey.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiAppId	Yes	String	Unique application ID.
ApiAppKey	Yes	String	Application Key.
ApiAppSecret	No	String	Application Secret.

3. Output Parameters

Parameter Name	Type	Description

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Result	Boolean	Whether update succeeded. 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 UpdateApiAppKey

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UpdateApiAppKey
&ApiAppId=app-e92i2jds
&ApiAppKey=xxx
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

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6. Error Code

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

Error Code	Description
FailedOperation.ApiError	API error.
FailedOperation.ApiInOperation	The API is being manipulated. Please try again later.
FailedOperation.GetRoleError	Failed to get the role. Please make sure that relevant API Gateway service APIs have been authorized.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ScfException	SCF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiApp	The application ID is incorrect.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.
UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.

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UnsupportedOperation.UnsupportedDeleteApi	The current API has already been bound to a business API. Please unbind it and try again.

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Usage Plan APIs
BindEnvironment

Last updated：2024-04-08 15:10:50

1. API Description

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

This API is used to bind a usage plan to a service or API.
After you publish a service to an environment, if the API requires authentication and can be called only when it is bound to a usage plan, you can use this API to bind a usage plan to the specified environment.
Currently, a usage plan can be bound to an API; however, under the same service, usage plans bound to a service and usage plans bound to an API cannot coexist. Therefore, in an environment to which a service-level usage plan has already been bound, please use the `DemoteServiceUsagePlan` API to degrade it.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: BindEnvironment.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanIds.N	Yes	Array of String	List of unique IDs of the usage plans to be bound.

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BindType	Yes	String	Binding type. Valid values: API, SERVICE. Default value: SERVICE.
Environment	Yes	String	Environment to be bound.
ServiceId	Yes	String	Unique ID of the service to be bound.
ApiIds.N	No	Array of String	Unique API ID array, which is required if `bindType` is `API`.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether binding succeeded. 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 Binding a usage plan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=BindEnvironment
&BindType=SERVICE
&Environment=test
&ServiceId=service-ody35h5e
&UsagePlanIds.0=usagePlan-quqxvett
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "a6c567f9-7a55-43b9-81d2-f721da5e271a"
```

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```
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ServiceError	Service error.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidApiIds	Incorrect API ID
LimitExceeded.RequestLimitExceeded	The request frequency has reached the limit. Please try again later.

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ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.
UnsupportedOperation.UnsupportedBindEnvironment	The environment cannot be bound.
UnsupportedOperation.UnsupportedUnBindEnvironment	The environment cannot be unbound, as there are APIs that are not bound to a usage plan.

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BindSecretIds

Last updated：2024-04-08 15:10:50

1. API Description

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

This API is used to bind a key to a usage plan.
You can bind a key to a usage plan and bind the usage plan to an environment where a service is published, so that callers can use the key to call APIs in the service. You can use this API to bind a key to a usage plan.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: BindSecretIds.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Unique ID of the usage plan to be bound.
AccessKeyIds.N	Yes	Array of String	Array of IDs of the keys to be bound.

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3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether binding succeeded. 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 Binding a key to a usage plan

This example shows you how to bind a key to a usage plan.

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=BindSecretIds
&UsagePlanId=usagePlan-quqxvett
&AccessKeyIds.0=AKIDmyE2z0gvi2p6***************
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "fcc3e46c-931d-4c58-88e9-f3cfc2251769"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameterValue.InvalidAccessKeyIds	Incorrect key.
InvalidParameterValue.InvalidRegion	Incorrect region.
LimitExceeded.AccessKeyCountInUsagePlanLimitExceeded	Reached the upper limit of access keys.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.
UnsupportedOperation.AlreadyBindUsagePlan	The key has already been bound to a usage plan.
UnsupportedOperation.InvalidStatus	The current key status does not support this operation.
UnsupportedOperation.UnsupportedBindApiKey	The key has already been bound to a usage plan.

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CreateUsagePlan

Last updated：2024-04-08 15:10:50

1. API Description

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

This API is used to create a usage plan.
To use API Gateway, you need to create a usage plan and bind it to a service environment.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateUsagePlan.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanName	Yes	String	Custom usage plan name.
UsagePlanDesc	No	String	Custom usage plan description.
MaxRequestNum	No	Integer	Total number of requests allowed. Valid values: -1, [1,99999999]. The default value is `-1` , which indicates no limit.
MaxRequestNumPreSec	No	Integer	Limit of requests per second. Valid values: -1, [1,2000].

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			The default value is `-1`, which indicates no limit.

3. Output Parameters

Parameter Name	Type	Description
Result	UsagePlanInfo	Usage plan 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 Creating a usage plan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreateUsagePlan
&UsagePlanName=xx
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": {
"UsagePlanId": "usagePlan-quqxvett",
"UsagePlanName": "xx",
"UsagePlanDesc": null,
"MaxRequestNumPreSec": null,
"MaxRequestNum": null,
"CreatedTime": "2020-02-17T11:26:42Z",
"ModifiedTime": "2020-02-17T11:26:42Z",
"BindSecretIdTotalCount": 0,
"BindSecretIds": null,
"BindEnvironmentTotalCount": 0,
"BindEnvironments": null
},
```

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```
"RequestId": "b30900ef-72e9-4076-a2bd-dc8caab1ef6f"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidMaxRequestNum	Invalid quota
InvalidParameterValue.InvalidRegion	Incorrect region.
LimitExceeded.UsagePlanLimitExceeded	The number of usage plans exceeds the limit.
UnsupportedOperation.UnpackError	

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DeleteUsagePlan

Last updated：2024-04-08 15:10:49

1. API Description

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

This API is used to delete a usage plan.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteUsagePlan.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Unique ID of the usage plan to be deleted.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether deletion succeeded. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 DeleteUsagePlan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteUsagePlan
&UsagePlanId=usagePlan-bxtnltfd
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.
UnsupportedOperation.UsagePlanInUse	The current plan is in use. Please unbind it and try again.

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DemoteServiceUsagePlan

Last updated：2024-04-08 15:10:48

1. API Description

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

This API is used to degrade a usage plan of a service in an environment to the API level.
This operation will be denied if there are no APIs under the service.
This operation will also be denied if the current environment has not been published.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DemoteServiceUsagePlan.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Usage plan ID.
ServiceId	Yes	String	Unique ID of the service to be demoted.
Environment	Yes	String	Environment name.

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3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether demotion succeeded. 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 DemoteServiceUsagePlan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DemoteServiceUsagePlan
&UsagePlanId=usagePlan-bxtnltfd
&ServiceId=service-ody35h5e
&Environment=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.
UnsupportedOperation.NoUsagePlanEnv	The current usage plan is not bound to an environment.

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DescribeUsagePlan

Last updated：2024-04-08 15:10:48

1. API Description

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

This API is used to query the details of a usage plan, such as its name, QPS, creation time, and bound environment.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeUsagePlan.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Unique ID of the usage plan to be queried.

3. Output Parameters

Parameter Name	Type	Description
Result	UsagePlanInfo	Usage plan details.

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		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 DescribeUsagePlan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeUsagePlan
&UsagePlanId=usagePlan-bxtnltfd
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": {
"UsagePlanId": "usagePlan-bxtnltfd",
"UsagePlanName": "xx",
"UsagePlanDesc": null,
"MaxRequestNumPreSec": null,
"MaxRequestNum": null,
"CreatedTime": "2020-02-26T14:19:52Z",
"ModifiedTime": "2020-02-26T14:25:30Z",
"BindSecretIdTotalCount": 0,
"BindSecretIds": [],
"BindEnvironmentTotalCount": 0,
"BindEnvironments": []
},
"RequestId": "e61705f3-e88a-4311-ada3-526bad10f7ab"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.

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DescribeUsagePlanEnvironments

Last updated：2024-04-08 15:10:47

1. API Description

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

This API is used to query the list of environments bound to a usage plan.
After binding a usage plan to environments, you can use this API to query all service environments bound to the usage plan.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeUsagePlanEnvironments.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Unique ID of the usage plan to be queried.
BindType	Yes	String	Binding type. Valid values: API, SERVICE. Default value: SERVICE.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

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3. Output Parameters

Parameter Name	Type	Description
Result	UsagePlanEnvironmentStatus	Usage plan binding 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 Getting the binding details of the usage plan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeUsagePlanEnvironments
&UsagePlanId=usagePlan-quqxvett
&BindType=API
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"EnvironmentList": [
{
"ServiceId": "service-ody35h5e",
"ServiceName": null,
"ApiId": "api-e92i2jds",
"ApiName": "test2",
"Path": "/users",
"Method": "POST",
"Environment": "test",
"InUseRequestNum": 0,
"MaxRequestNum": -1,
"MaxRequestNumPreSec": 0,
```

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```
"CreatedTime": "2019-12-23T09:15:17Z",
"ModifiedTime": null
}
]
},
"RequestId": "6c405f2c-ae4b-4d83-a155-522c4d3c7d3c"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.

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DescribeUsagePlanSecretIds

Last updated：2024-04-08 15:10:46

1. API Description

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

This API is used to query the list of keys bound to a usage plan.
In API Gateway, a usage plan can be bound to multiple key pairs. You can use this API to query the list of keys bound to it.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeUsagePlanSecretIds.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Unique ID of bound usage plan.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

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3. Output Parameters

Parameter Name	Type	Description
Result	UsagePlanBindSecretStatus	List of keys bound to usage plan. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the key bound to the usage plan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeUsagePlanSecretIds
&UsagePlanId=usagePlan-quqxvett
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"AccessKeyList": [
{
"SecretName": "xx",
"AccessKeyId": "AKIDmyE2z0gvi2p6i9lWr3bbetpTaquaxQ8s8iob",
"Status": 1
}
]
},
"RequestId": "61f694d3-9c8b-4c4e-8d51-b2ab087c0d36"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.

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DescribeUsagePlansStatus

Last updated：2024-04-08 15:10:46

1. API Description

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

This API is used to query the list of usage plans.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeUsagePlansStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Usage plan filter. Valid values: UsagePlanId, UsagePlanName, NotServiceId, NotApiId, Environment.

3. Output Parameters

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Parameter Name	Type	Description
Result	UsagePlansStatus	Usage plan 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 DescribeUsagePlansStatus

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeUsagePlansStatus
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"UsagePlanStatusSet": [
{
"UsagePlanId": "usagePlan-3datbg1f",
"UsagePlanName": "test",
"UsagePlanDesc": "",
"MaxRequestNumPreSec": -1,
"MaxRequestNum": -1,
"CreatedTime": "2020-03-21T13:17:42Z",
"ModifiedTime": "2020-03-21T13:17:42Z"
}
]
},
"RequestId": "e14fecd2-81eb-47ea-b947-993a93234fd8"
}
}
```

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
InvalidParameterValue.InvalidRegion	Incorrect region.

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ModifyUsagePlan

Last updated：2024-04-08 15:10:45

1. API Description

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

This API is used to modify the name, description, and QPS of a usage plan.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyUsagePlan.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Unique usage plan ID.
UsagePlanName	No	String	Custom usage plan name after modification.
UsagePlanDesc	No	String	Custom usage plan description after modification.
MaxRequestNum	No	Integer	Total number of requests allowed. Valid values: -1, [1,99999999]. The default value is `-1` , which indicates no limit.

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MaxRequestNumPreSec	No	Integer	Limit of requests per second. Valid values: -1, [1,2000]. The default value is `-1`, which indicates no limit.

3. Output Parameters

Parameter Name	Type	Description
Result	UsagePlanInfo	Usage plan 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 ModifyUsagePlan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyUsagePlan
&UsagePlanId=usagePlan-bxtnltfd
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": {
"UsagePlanId": "usagePlan-bxtnltfd",
"UsagePlanName": "xx",
"UsagePlanDesc": null,
"MaxRequestNumPreSec": null,
"MaxRequestNum": null,
"CreatedTime": "2020-02-26T14:19:52Z",
"ModifiedTime": "2020-02-26T14:25:30Z",
"BindSecretIdTotalCount": null,
"BindSecretIds": null,
"BindEnvironmentTotalCount": null,
"BindEnvironments": null
```

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```
},
"RequestId": "d929b56e-d7c3-4929-a103-3302fa9fee2e"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.

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UnBindEnvironment

Last updated：2024-04-08 15:10:44

1. API Description

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

This API is used to unbind a usage plan from a specified environment.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnBindEnvironment.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
BindType	Yes	String	Binding type. Valid values: API, SERVICE. Default value: SERVICE.
UsagePlanIds.N	Yes	Array of String	List of unique IDs of the usage plans to be bound.
Environment	Yes	String	Service environment to be unbound.
ServiceId	Yes	String	Unique ID of the service to be unbound.
ApiIds.N	No	Array of	Unique API ID array, which is required if `BindType` is

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		String	`API` .

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether unbinding succeeded. 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 Unbinding usage plan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UnBindEnvironment
&BindType=SERVICE
&Environment=test
&ServiceId=service-ody35h5e
&UsagePlanIds.0=usagePlan-quqxvett
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "a6c567f9-7a55-43b9-81d2-f721da5e271a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ServiceError	Service error.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.
UnsupportedOperation.UnsupportedUnBindEnvironment	The environment cannot be unbound, as there are APIs that are not bound to a usage plan.

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UnBindSecretIds

Last updated：2024-04-08 15:10:44

1. API Description

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

This API is used to unbind a key from a usage plan.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnBindSecretIds.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
UsagePlanId	Yes	String	Unique ID of the usage plan to be unbound.
AccessKeyIds.N	Yes	Array of String	Array of IDs of the keys to be unbound.

3. Output Parameters

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Parameter Name	Type	Description
Result	Boolean	Whether unbinding succeeded. 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 UnBindSecretIds

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UnBindSecretIds
&UsagePlanId=usagePlan-quqxvett
&AccessKeyIds.0=AKIDmyE2z0gvi2p6i9lWr3bbetpTaquaxQ8s8iob
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "bb85842c-c0d2-4543-8f4d-396a193babe8"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.
UnsupportedOperation.RequestPostError	

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IP Policy APIs
BindIPStrategy

Last updated：2024-04-08 15:11:26

1. API Description

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

This API is used to bind an IP policy to an API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: BindIPStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of the IP policy to be bound.
StrategyId	Yes	String	Unique ID of the IP policy to be bound.
EnvironmentName	Yes	String	Environment to be bound to IP policy.
BindApiIds.N	Yes	Array of String	List of APIs to be bound to IP policy.

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3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether binding succeeded. 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 BindIPStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=BindIPStrategy
&StrategyId=IPStrategy-0ez0c8to
&EnvironmentName=test
&ServiceId=service-ody35h5e
&BindApiIds.0=api-e92i2jds
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "bb85842c-c0d2-4543-8f4d-396a193babe8"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ServiceError	Service error.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameterValue.InvalidEnvStatus	Invalid service environment status
LimitExceeded.RequestLimitExceeded	The request frequency has reached the limit. Please try again later.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidIPStrategy	The IP policy does not exist.
UnsupportedOperation.InvalidAction	API error.

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CreateIPStrategy

Last updated：2024-04-08 15:11:25

1. API Description

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

This API is used to create a service IP policy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateIPStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
StrategyName	Yes	String	Custom policy name.
StrategyType	Yes	String	Policy type. Valid values: WHITE (allowlist), BLACK (blocklist).
StrategyData	Yes	String	Policy details. Multiple IPs are separated with \n.

3. Output Parameters

Parameter	Type	Description

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Name		
Result	IPStrategy	New IP policy 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 CreateIPStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreateIPStrategy
&ServiceId=service-ody35h5e
&StrategyName=xx
&StrategyType=WHITE
&StrategyData=1.1.1.1\n2.2.2.2
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"ServiceId": "service-ody35h5e",
"StrategyId": "IPStrategy-4xj4r1ou",
"StrategyName": "xx",
"StrategyType": "WHITE",
"StrategyData": "1.1.1.1\n2.2.2.2",
"CreatedTime": "2020-02-24T19:02:00Z",
"ModifiedTime": "2020-02-24T19:02:00Z",
"BindApiTotalCount": null,
"BindApis": null
},
"RequestId": "4336cff4-1d75-433b-8823-bcf8fa8773c6"
}
}
```

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5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
LimitExceeded.IpStrategyLimitExceeded	The number of IP policies exceeds the limit.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.InvalidAction	API error.

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DeleteIPStrategy

Last updated：2024-04-08 15:11:24

1. API Description

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

This API is used to delete a service IP policy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteIPStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of the IP policy to be deleted.
StrategyId	Yes	String	Unique ID of the IP policy to be deleted.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether deletion succeeded.

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		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 DeleteIPStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteIPStrategy
&ServiceId=service-ody35h5e
&StrategyId=IPStrategy-4xj4r1ou
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
ResourceNotFound.InvalidIPStrategy	The IP policy does not exist.

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DescribeIPStrategy

Last updated：2024-04-08 15:11:24

1. API Description

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

This API is used to query IP policy details.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeIPStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
StrategyId	Yes	String	Unique IP policy ID.
EnvironmentName	No	String	Environment associated with policy.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of	Filter, which is a reserved field. Filtering is not supported

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		Filter	currently.

3. Output Parameters

Parameter Name	Type	Description
Result	IPStrategy	IP policy 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 DescribeIPStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeIPStrategy
&ServiceId=service-ody35h5e
&EnvironmentName=test
&StrategyId=IPStrategy-0ez0c8to
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"ServiceId": "service-ody35h5e",
"StrategyId": "IPStrategy-0ez0c8to",
"StrategyName": "xx",
"StrategyType": "WHITE",
"StrategyData": "2.2.2.2",
"CreatedTime": "2020-02-13T16:39:08Z",
"ModifiedTime": "2020-02-16T07:16:09Z",
"BindApiTotalCount": 0,
"BindApis": []
},
```

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```
"RequestId": "7723481f-45f0-48c1-8b64-03cfaa822116"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
ResourceNotFound.InvalidIPStrategy	The IP policy does not exist.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeIPStrategyApisStatus

Last updated：2024-04-08 15:11:23

1. API Description

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

This API is used to query the list of APIs to which an IP policy can be bound, i.e., the difference set between all APIs under the service and the APIs already bound to the policy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeIPStrategyApisStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
StrategyId	Yes	String	Unique policy ID.
EnvironmentName	Yes	String	Policy environment.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

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Filters.N	No	Array of Filter	Filter. Valid values: ApiPath, ApiName, KeyWord (fuzzy search by `Path` and `Name`).

3. Output Parameters

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

4. Example

Example1 Querying APIs bound to a policy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeIPStrategyApisStatus
&StrategyId=IPStrategy-0ez0c8to
&EnvironmentName=test
&ServiceId=service-ody35h5e
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 0,
"ApiIdStatusSet": [
{
"OtherEnvironmentName": "xx",
"ApiId": "xx",
"ApiType": "xx",
"ApiName": "xx",
```

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```
"OtherIPStrategyId": "xx",
"Path": "xx",
"Method": "xx"
}
]
},
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidIPStrategy	The IP policy does not exist.

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DescribeIPStrategysStatus

Last updated：2024-04-08 15:11:22

1. API Description

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

This API is used to query the list of service IP policies.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeIPStrategysStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
Filters.N	No	Array of Filter	Filter. Valid values: StrategyName.

3. Output Parameters

Parameter	Type	Description

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

4. Example

Example1 DescribeIPStrategysStatus

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeIPStrategysStatus
&ServiceId=service-ody35h5e
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"StrategySet": [
{
"ServiceId": "service-ody35h5e",
"StrategyId": "IPStrategy-0ez0c8to",
"StrategyName": "xx",
"StrategyType": "WHITE",
"StrategyData": "2.2.2.2",
"CreatedTime": "2020-02-13T16:39:08Z",
"ModifiedTime": "2020-02-16T07:16:09Z",
"BindApiTotalCount": null,
"BindApis": null
}
]
},
"RequestId": "cc167968-9ada-41b8-8724-62a497eedaad"
}
}
```

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SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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ModifyIPStrategy

Last updated：2024-04-08 15:11:21

1. API Description

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

This API is used to modify a service IP policy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyIPStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of the policy to be modified.
StrategyId	Yes	String	Unique ID of the policy to be modified.
StrategyData	Yes	String	Details of the policy to be modified.

3. Output Parameters

Parameter Name	Type	Description

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Result	Boolean	Whether modification succeeded. 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 ModifyIPStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyIPStrategy
&StrategyId=IPStrategy-0ez0c8to
&ServiceId=service-ody35h5e
&StrategyData=3.3.3.3
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "cfbd2c3f-64f4-4266-bcca-f04568c6c9ce"
}
}
```

5. Developer Resources

SDK

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6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidIPStrategy	The IP policy does not exist.

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UnBindIPStrategy

Last updated：2024-04-08 15:11:21

1. API Description

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

This API is used to unbind an IP policy from a 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	Common Params. The value used for this API: UnBindIPStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be unbound.
StrategyId	Yes	String	Unique ID of the IP policy to be unbound.
EnvironmentName	Yes	String	Environment to be unbound.
UnBindApiIds.N	Yes	Array of String	List of APIs to be unbound.

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3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether unbinding succeeded. 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 UnBindIPStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UnBindIPStrategy
&StrategyId=IPStrategy-0ez0c8to
&EnvironmentName=test
&ServiceId=service-ody35h5e
&UnBindApiIds.0=api-e92i2jds
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "6754bb8e-c421-472e-aa27-ce3a6aae0c26"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.

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Custom Domain Name APIs
BindSubDomain

Last updated：2024-04-08 15:11:30

1. API Description

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

This API is used to bind a custom domain name to a service.
Each service in API Gateway provides a default domain name for users to call. If you want to use your own domain name, you can bind a custom domain name to the target service. After getting the ICP filing and configuring the CNAME record between the custom and default domain names, you can directly call the custom domain name.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: BindSubDomain.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
SubDomain	Yes	String	Custom domain name to be bound.

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Protocol	Yes	String	Protocol supported by service. Valid values: http, https, http&https.
NetType	Yes	String	Network type. Valid values: OUTER, INNER.
IsDefaultMapping	Yes	Boolean	Whether the default path mapping is used. The default value is `true`. If the value is `false`, the custom path mapping will be used and `PathMappingSet` will be required in this case.
NetSubDomain	Yes	String	Default domain name.
CertificateId	No	String	Unique certificate ID of the custom domain name to be bound. The certificate can be uploaded if `Protocol` is `https` or `http&https`.
PathMappingSet.N	No	Array of PathMapping	Custom domain name path mapping. It can contain up to 3 `Environment` values which can be set to only `test`, `prepub`, and `release`, respectively.
IsForcedHttps	No	Boolean	Whether to force HTTP requests to redirect to HTTPS. Default value: `false`. When this parameter is `true`, API Gateway will redirect all requests using the custom domain name over the HTTP protocol to the HTTPS protocol for forwarding.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether binding succeeded. 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 Binding with a custom domain name

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This example shows you how to bind with a custom domain name.

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=BindSubDomain
&ServiceId=service-1w9ekbwo
&NetType=OUTER
&SubDomain=xxx.com
&NetSubDomain=service-1w9ekbwo-1259027407.gz.apigw.tencentcs.com
&IsDefaultMapping=TRUE
&PathMappingSet.0.Environment=release
&PathMappingSet.0.Path=/
&Protocol=http
&IsForcedHttps=TRUE
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6e00553a-8158-4f70-ad43-e1b046af1502"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

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

Error Code	Description
FailedOperation.CertificateIdEnterpriseWaitSubmit	The certificate is an enterprise certificate and waiting to be submitted.
FailedOperation.CertificateIdError	The certificate does not exist or you do not have permission to view it. Please upload a valid certificate in the SSL Certificates Service Console.
FailedOperation.CertificateIdExpired	The certificate has expired. Please upload a valid one.
FailedOperation.CertificateIdInfoError	The certificate information is empty. Please submit a ticket for assistance.
FailedOperation.CertificateIdUnderVerify	The certificate is under review. Please upload a valid one.
FailedOperation.CertificateIdUnknownError	The certificate is in an unknown status. Please submit a ticket to check its specific status.
FailedOperation.CertificateIdVerifyFail	The certificate has been rejected. Please upload a valid one.
FailedOperation.CertificateIsNull	The Apis certificate is empty. Please upload a certificate.
FailedOperation.DefineMappingEnvironmentError	The Apis environment configuration is incorrect.
FailedOperation.DefineMappingNotNull	The Apis custom path mapping cannot be empty.
FailedOperation.DefineMappingParamRepeat	The Apis parameters are repeated.
FailedOperation.DefineMappingPathError	The Apis custom path configuration is incorrect.
FailedOperation.DomainAlreadyBindOtherService	The domain name has been bound to another service.
FailedOperation.DomainAlreadyBindService	The domain name has already been bound to this service.
FailedOperation.DomainInBlackList	Unable to connect: the current domain name is not compliant.
FailedOperation.DomainNeedBeian	The domain name does not have an ICP filing through Tencent Cloud. Please get the ICP filing before binding the domain name.

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FailedOperation.DomainResolveError	The domain name is not configured with a CNAME record resolving to the default domain name, or the resolution has not taken effect yet.
FailedOperation.FormatError	The domain name format is incorrect.
FailedOperation.IsDefaultMapping	The Apis custom path conflicts with the default path.
FailedOperation.NetSubDomainError	The entered default second-level domain name is incorrect.
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
FailedOperation.SubDomainFormatError	The custom domain name format is incorrect.
InternalError	Internal error.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidProcotol	Invalid protocol type parameter.
LimitExceeded.ExceededDefineMappingLimit	You can set up to 3 sets of custom path mappings.
LimitExceeded.ExceededDomainLimit	The number of bound domain names exceeds the limit. You can bind up to 5 domain names by default.
LimitExceeded.RequestLimitExceeded	The request frequency has reached the limit. Please try again later.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.ForceHttps	Cannot force HTTPS when the protocol is HTTP.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.

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DeleteServiceSubDomainMapping

Last updated：2024-04-08 15:11:29

1. API Description

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

This API is used to delete a custom domain name mapping in a service environment.
You can use this API if you use a custom domain name and custom mapping. Please note that if you delete all mappings in all environments, a failure will be returned when this API is called.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteServiceSubDomainMapping.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
SubDomain	Yes	String	Custom domain name bound to service.
Environment	Yes	String	Name of the environment whose mapping is to be deleted. Valid values: test (test environment), prepub (pre-release environment), release (release environment).

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3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the path mapping of the custom domain name is successfully deleted.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 path mapping of a custom domain name

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteServiceSubDomainMapping
&ServiceId=service-19c5fnhy
&SubDomain=xxxxxxx
&Environment=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "1ab681ab-545a-4e71-91f1-8f1ea8ef13ad"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DeletePathMappingSetError	An error occurred while deleting the custom domain name.
FailedOperation.ServiceNotExist	The service does not exist.
InternalError	Internal error.
InvalidParameter.FormatError	Incorrect parameter format.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.

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DescribeServiceSubDomainMappings

Last updated：2024-04-08 15:11:28

1. API Description

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

This API is used to query the path mappings of a custom domain name.
In API Gateway, you can bind a custom domain name to a service and map its paths. You can customize different path mappings to up to 3 environments under the service. This API is used to query the list of path mappings of a custom domain name bound to a 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	Common Params. The value used for this API: DescribeServiceSubDomainMappings.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
SubDomain	Yes	String	Custom domain name bound to service.

3. Output Parameters

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Parameter Name	Type	Description
Result	ServiceSubDomainMappings	Custom path mapping 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 path mapping of a custom domain name

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceSubDomainMappings
&ServiceId=service-19c5fnhy
&SubDomain=xxxxxx
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"IsDefaultMapping": false,
"PathMappingSet": [
{
"Path": "/",
"Environment": "release"
}
]
},
"RequestId": "01c56ec2-6a40-46bc-bdf6-8b273d4bec93"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceNotExist	The service does not exist.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeServiceSubDomains

Last updated：2024-04-08 15:11:28

1. API Description

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

This API is used to query the list of custom domain names.
In API Gateway, you can bind custom domain names to a service for service call. This API is used to query the list of custom domain names bound to a 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	Common Params. The value used for this API: DescribeServiceSubDomains.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

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3. Output Parameters

Parameter Name	Type	Description
Result	DomainSets	Custom service domain name query.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 custom domain name list of service

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceSubDomains
&ServiceId=service-19c5fnhy
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"DomainSet": [
{
"Status": 1,
"CertificateId": "xx",
"Protocol": "xx",
"IsDefaultMapping": false,
"DomainName": "xx",
"IsForcedHttps": true,
"NetType": "xx",
"RegistrationStatus": true
}
]
},
"RequestId": "xx"
}
}
```

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5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.DescribeServiceSubDomainsError	The custom domain name of the service is incorrect.
FailedOperation.ServiceNotExist	The service does not exist.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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ModifySubDomain

Last updated：2024-04-08 15:11:27

1. API Description

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

This API is used to modify the path mapping in the custom domain name settings of a service. The path mapping rule can be modified before it is bound to the custom domain name.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifySubDomain.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
SubDomain	Yes	String	Custom domain name whose path mapping is to be modified.
IsDefaultMapping	Yes	Boolean	Whether to change to the default path mapping. true: use the default path mapping; false: use the custom path mapping.

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CertificateId	No	String	Certificate ID, which is required if the HTTPS protocol is included.
Protocol	No	String	Custom domain name protocol type after modification. Valid values: http, https, http&https.
PathMappingSet.N	No	Array of PathMapping	Path mapping list after modification.
NetType	No	String	Network type. Valid values: INNER, OUTER.
IsForcedHttps	No	Boolean	Whether to force HTTP requests to redirect to HTTPS. Default value: `false` . When this parameter is `true` , API Gateway will redirect all requests using the custom domain name over the HTTP protocol to the HTTPS protocol for forwarding.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the custom domain name is successfully modified.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 custom domain name

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifySubDomain
&ServiceId=service-19c5fnhy
&SubDomain=xxxxxx
&CertificateId=''
&IsDefaultMapping=false
&Protocol=http
&NetType=OUTER
&PathMappingSet.0.Path=/
```

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```
&PathMappingSet.0.Environment=release
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "d7f6116b-8184-4bdd-8fbe-1ecbcfa1ea30"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.CertificateIdBindError	An error occurred while binding a certificate.
FailedOperation.CertificateIdError	The certificate does not exist or you do not have permission to

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	view it. Please upload a valid certificate in the SSL Certificates Service Console.
FailedOperation.PathMappingSetError	An error occurred while setting the path mapping.
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
FailedOperation.ServiceNotExist	The service does not exist.
FailedOperation.SetCustomPathMappingError	The custom domain name already uses the default path mapping, so no custom path can be set.
FailedOperation.SubDomainFormatError	The custom domain name format is incorrect.
FailedOperation.UnknownProtocolTypeError	The protocol type is incorrect.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.ForceHttps	Cannot force HTTPS when the protocol is HTTP.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.

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UnBindSubDomain

Last updated：2024-04-08 15:11:26

1. API Description

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

This API is used to unbind a custom domain name.
After binding a custom domain name to a service by using API Gateway, you can use this API to unbind it.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnBindSubDomain.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
SubDomain	Yes	String	Custom domain name to be unbound.

3. Output Parameters

Parameter Name	Type	Description

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Result	Boolean	Whether the custom domain name is successfully unbound.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 a custom domain name

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UnBindSubDomain
&ServiceId=service-19c5fnhy
&SubDomain=xxxxxxxx
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "b3197c48-53fb-46df-b721-df4424cf8be9"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.DomainNotBindService	Failed to unbind the custom domain name, as the domain name is not bound to the service.
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
FailedOperation.ServiceNotExist	The service does not exist.
FailedOperation.SubDomainFormatError	The custom domain name format is incorrect.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.InvalidStatus	The current key status does not support this operation.
UnsupportedOperation.UnpackError	

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API Document APIs
BuildAPIDoc

Last updated：2024-04-08 15:11:42

1. API Description

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

This API is used to build an API document.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: BuildAPIDoc.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiDocId	Yes	String	API document ID

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the operation succeeded

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

4. Example

Example1 BuildAPIDoc

Input Example

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

{
"ApiDocId": "doc-v8tsladd"
}
```

Output Example

```
{
"Response": {
"Result": "True",
"RequestId": "1dea2e5f-c4d8-47c9-8dab-6ce9b137a15a"
}
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApiError	API error.
FailedOperation.CodingError	API document operation failed.
FailedOperation.ServiceError	Service error.
InternalError.ReturnableException	
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiDoc	The API document does not exist.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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CreateAPIDoc

Last updated：2024-04-08 15:11:42

1. API Description

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

This API is used to create an API document.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAPIDoc.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiDocName	Yes	String	API document name
ServiceId	Yes	String	Service name
Environment	Yes	String	Environment name
ApiIds.N	Yes	Array of String	List of APIs for which to generate documents

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3. Output Parameters

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

4. Example

Example1 CreateAPIDoc

Input Example

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

{
"ApiDocName": "test",
"ServiceId": "service-2nuhovb7",
"Environment": "release",
"ApiIds": [
"api-2dvasde2",
"api-zewq23"
]
}
```

Output Example

```
{
"Response": {
"Result": {
"ApiDocId": "apidoc-a7ragqam",
"ApiDocName": "test",
"ApiDocStatus": "PROCESSING"
},
"RequestId": "ef2f184f-8044-43f1-b807-6761f259c35f"
```

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```
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
FailedOperation.AccessKeyExist	The custom key already exists.
FailedOperation.ApiBindEnvironmen	This API has been bound with a usage plan.
FailedOperation.ApiBindEnvironment	The APIs have already been bound to a usage plan. Please unbind them and try again.

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FailedOperation.ApiError	API error.
FailedOperation.CodingError	API document operation failed.
FailedOperation.ServiceError	Service error.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.LimitExceeded	The number of parameters has reached the limit (100).
LimitExceeded	The quota limit is exceeded.
LimitExceeded.APIDocLimitExceeded	The number of API documents exceeds the limit.
MissingParameter	Missing parameter.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation	The operation is unauthorized.

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DeleteAPIDoc

Last updated：2024-04-08 15:11:41

1. API Description

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

This API is used to delete an API document.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAPIDoc.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiDocId	Yes	String	API document ID

3. Output Parameters

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

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

4. Example

Example1 DeleteAPIDoc

Input Example

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

{
"ApiDocId": "doc-v8tsladd"
}
```

Output Example

```
{
"Response": {
"Result": "True",
"RequestId": "1dea2e5f-c4d8-47c9-8dab-6ce9b137a15a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.FormatError	Incorrect parameter format.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.

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UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

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DescribeAPIDocDetail

Last updated：2024-04-08 15:11:40

1. API Description

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

This API is used to query the details of an API document.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAPIDocDetail.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiDocId	Yes	String	API document ID

3. Output Parameters

Parameter Name	Type	Description
Result	APIDocInfo	API document details

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

4. Example

Example1 DescribeAPIDocDetail

Input Example

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

{
"ApiDocId": "apidoc-a7ragqam"
}
```

Output Example

```
{
"Response": {
"Result": {
"ApiDocId": "apidoc-a7ragqam",
"ApiDocName": "clare",
"ApiCount": 2,
"ViewCount": 0,
"ReleaseCount": 1,
"ApiDocUri": "https://apidoc-a7ragqam-apigw.doc.coding.io",
"SharePassword": "123456",
"ApiDocStatus": "COMPLETED",
"UpdatedTime": "2021-01-25 05:46:25",
"ServiceId": "service-esdf2dsf",
"ServiceName": "myservice",
"ApiIds": [
"api-23sczadf"
],
"ApiNames": [
"test"
],
"Environment": "release"
},
```

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```
"RequestId": "fbee8d42-f977-420f-b6c0-39c9c5fc4f51"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.CodingError	API document operation failed.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApiDoc	The API document does not exist.
UnsupportedOperation.InvalidAction	API error.

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DescribeAPIDocs

Last updated：2024-04-08 15:11:40

1. API Description

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

This API is used to query the list of API documents.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAPIDocs.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description

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Result	APIDocs	API document list 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 DescribeAPIDocs

Input Example

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

{
"Limit": 20
}
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"APIDocSet": [
{
"ApiDocId": "apidoc-a7ragqam",
"ApiDocName": "test",
"ApiDocStatus": "PROCESSING"
}
]
},
"RequestId": "5ee3cf2e-758b-4cb5-801e-9c28d5b67763"
}
}
```

5. Developer Resources

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SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
InvalidParameterValue.InvalidRegion	Incorrect region.
LimitExceeded	The quota limit is exceeded.
ResourceInUse	The resource is in use.
ResourceNotFound	The resource does not exist.

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UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation.InvalidAction	API error.

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ModifyAPIDoc

Last updated：2024-04-08 15:11:39

1. API Description

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

This API is used to modify an API document.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAPIDoc.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiDocId	Yes	String	API document ID
ApiDocName	No	String	API document name
ServiceId	No	String	Service name
Environment	No	String	Environment name
ApiIds.N	No	Array of String	List of APIs for which to generate documents

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3. Output Parameters

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

4. Example

Example1 ModifyAPIDoc

Input Example

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

{
"ApiDocName": "test",
"ApiDocId": "doc-v8tsladd",
"ServiceId": "service-2nuhovb7",
"Environment": "release",
"ApiIds": [
"api-2dvasde2",
"api-zewq23"
]
}
```

Output Example

```
{
"Response": {
"Result": {
"ApiDocId": "apidoc-a7ragqam",
"ApiDocName": "test",
"ApiDocStatus": "PROCESSING"
},
```

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```
"RequestId": "ad4b3a69-50ac-4de3-a2dc-08167a9a2d45"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApiError	API error.
FailedOperation.CodingError	API document operation failed.
FailedOperation.ServiceError	Service error.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiDoc	The API document does not exist.

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ResourceNotFound.InvalidService	The corresponding service is invisible.

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ResetAPIDocPassword

Last updated：2024-04-08 15:11:38

1. API Description

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

This API is used to reset the password of an API document.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResetAPIDocPassword.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ApiDocId	Yes	String	API document ID

3. Output Parameters

Parameter Name	Type	Description
Result	APIDoc	Basic information of API document

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

4. Example

Example1 ResetAPIDocPassword

Input Example

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

{
"ApiDocId": "apidoc-a7ragqam"
}
```

Output Example

```
{
"Response": {
"Result": {
"ApiDocId": "apidoc-a7ragqam",
"ApiDocName": "test",
"ApiDocStatus": "PROCESSING"
},
"RequestId": "ad4b3a69-50ac-4de3-a2dc-08167a9a2d45"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.CodingError	API document operation failed.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidApiDoc	The API document does not exist.

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OpenAPI APIs
CreateApi

Last updated：2024-04-08 15:11:15

1. API Description

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

This API is used to create an API. Before creating an API, you need to create a service, as each API belongs to a certain 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	Common Param used for this API
Version	Yes	String	Common Param used for this API 08.
Region	No	String	Common Param parameter is not this API.
ServiceId	Yes	String	Unique service I
ServiceType	Yes	String	API backend ser Valid values: HT

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			TSF, SCF, WEB TARGET (in beta
ServiceTimeout	Yes	Integer	API backend ser timeout period in
Protocol	Yes	String	API frontend requ protocol. Valid va HTTPS, WEBSC
RequestConfig	Yes	ApiRequestConfig	Request frontenc configuration.
ApiName	No	String	Custom API nam
ApiDesc	No	String	Custom API desc
ApiType	No	String	API type. Valid va NORMAL (gener TSF (microservic Default value: NC
AuthType	No	String	API authenticatic Valid values: SEC pair authenticatic (no authenticatio OAUTH, APP (a authentication). D value: NONE.
EnableCORS	No	Boolean	Whether to enab
ConstantParameters.N	No	Array of ConstantParameter	Constant parame
RequestParameters.N	No	Array of RequestParameter	Frontend reques parameter.
ApiBusinessType	No	String	This field is valid `AuthType` is NORMAL: busin OAUTH: authoriz
ServiceMockReturnMessage	No	String	Returned messa backend Mock, v required if

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			`ServiceType` `Mock` .
MicroServices.N	No	Array of MicroServiceReq	List of microservi to API.
ServiceTsfLoadBalanceConf	No	TsfLoadBalanceConfResp	Load balancing configuration of microservice.
ServiceTsfHealthCheckConf	No	HealthCheckConf	Health check cor of microservice.
TargetServices.N	No	Array of TargetServicesReq	`target` type resource informa beta test).
TargetServicesLoadBalanceConf	No	Integer	`target` type balancing configu beta test).
TargetServicesHealthCheckConf	No	HealthCheckConf	`target` healt configuration (in
ServiceScfFunctionName	No	String	SCF function nar takes effect if the type is `SCF` .
ServiceWebsocketRegisterFunctionName	No	String	SCF WebSocket registration funct takes effect if the type is `WEBSOC` the backend type
ServiceWebsocketCleanupFunctionName	No	String	SCF WebSocket function, which ta if the frontend typ `WEBSOCKET` a backend type is
ServiceWebsocketTransportFunctionName	No	String	SCF WebSocket function, which ta if the frontend typ `WEBSOCKET` a backend type is
ServiceScfFunctionNamespace	No	String	SCF function nar

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			which takes effec backend type is
ServiceScfFunctionQualifier	No	String	SCF function ver takes effect if the type is `SCF` .
ServiceWebsocketRegisterFunctionNamespace	No	String	SCF WebSocket registration funct namespace, whic effect if the fronte `WEBSOCKET` a backend type is
ServiceWebsocketRegisterFunctionQualifier	No	String	SCF WebSocket function version, takes effect if the type is `WEBSOC` the backend type
ServiceWebsocketTransportFunctionNamespace	No	String	SCF WebSocket function namesp takes effect if the type is `WEBSOC` the backend type
ServiceWebsocketTransportFunctionQualifier	No	String	SCF WebSocket function version, takes effect if the type is `WEBSOC` the backend type
ServiceWebsocketCleanupFunctionNamespace	No	String	SCF WebSocket function namesp takes effect if the type is `WEBSOC` the backend type
ServiceWebsocketCleanupFunctionQualifier	No	String	SCF WebSocket function version, takes effect if the type is `WEBSOC` the backend type
ServiceScfIsIntegratedResponse	No	Boolean	Whether to enab integration, whicl

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			effect if the back `SCF` .
IsDebugAfterCharge	No	Boolean	Billing after debu (reserved field fo marketplace).
IsDeleteResponseErrorCodes	No	Boolean	Whether to delet codes for custom configuration. If t left empty or `Fa` error codes will n deleted. If the va `True` , all cust response configu codes of the API deleted.
ResponseType	No	String	Return type.
ResponseSuccessExample	No	String	Sample response successful custo configuration.
ResponseFailExample	No	String	Sample response custom response configuration.
ServiceConfig	No	ServiceConfig	API backend ser configuration.
AuthRelationApiId	No	String	Unique ID of ass authorization AP takes effect only `AuthType` is and `ApiBusin` is `NORMAL` . It i unique ID of the (authorization AP the business API
ServiceParameters.N	No	Array of ServiceParameter	API backend ser parameter.
OauthConfig	No	OauthConfig	OAuth configurat takes effect if `A` is `OAUTH` .

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ResponseErrorCodes.N	No	Array of ResponseErrorCodeReq	Custom error coc configuration.
TargetNamespaceId	No	String	TSF Serverless r ID (in beta test).
UserType	No	String	User type.
IsBase64Encoded	No	Boolean	Whether to enab encoding. This pa takes effect only backend is SCF.
EventBusId	No	String	Event bus ID.
ServiceScfFunctionType	No	String	SCF function typ takes effect if the type is `SCF` . V `EVENT` and `H`
EIAMAppType	No	String	EIAM application
EIAMAuthType	No	String	EIAM application authentication typ values: `Authenticat` `Authenticat` `Authorizati`
TokenTimeout	No	Integer	Validity of the EIA application token second. Default v `7200` .
EIAMAppId	No	String	EIAM application
Owner	No	String	Owner of the res

3. Output Parameters

Parameter Name	Type	Description
Result	CreateApiRsp	API information

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		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 CreateApi

CreateApi

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreateApi
&ServiceId=service-ody35h5e
&ApiName=name
&ApiDesc=desc
&ApiType=NORMAL
&AuthType=NONE
&ServiceType=MOCK
&ServiceTimeout=15
&Protocol=HTTP
&RequestConfig.Path=/test
&RequestConfig.Method=GET
&EnableCORS=false
&ApiBusinessType=NORMAL
&ServiceMockReturnMessage=mock
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": {
"ApiId": "abc",
"Path": "abc",
"Method": "abc",
"CreatedTime": "2020-09-22T00:00:00+00:00"
},
"RequestId": "abc"
}
}
```

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5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ApiInOperation	The API is being manipulated. Please try again later.
FailedOperation.BackendDomainError	
FailedOperation.DomainNeedBeian	The domain name does not have an ICP filing through Tencent Cloud. Please get the ICP filing before binding the domain name.
FailedOperation.EIAMError	Error form EIAM
FailedOperation.EbError	Failed to bind/unbind EventBridge.
FailedOperation.GetRoleError	Failed to get the role. Please make sure that relevant API Gateway service APIs have been authorized.
FailedOperation.ScfError	Failed to bind/unbind SCF trigger.

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FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.CauthException	CAuth internal request error. Please try again later. If the problem persists, please submit a ticket.
InternalError.ClbException	CLB internal request error. Please try again. If the problem persists, please submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ScfException	SCF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.TsfException	TSF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.VpcException	VPC internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.IllegalProxyIp	Invalid backend IP address.
InvalidParameterValue.InvalidApiBusinessType	The API business type passed in must be `OAUTH` .
InvalidParameterValue.InvalidApiRequestConfig	Invalid API configuration.
InvalidParameterValue.InvalidApiType	The API type is incorrect. The microservice API only supports the TSF backend service type.
InvalidParameterValue.InvalidBackendPath	The backend service path configuration is incorrect.

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InvalidParameterValue.InvalidClb	Invalid CLB configuration.
InvalidParameterValue.InvalidIPAddress	The value of the backend address parameter is incorrect.
InvalidParameterValue.InvalidPort	The backend service port is incorrect.
InvalidParameterValue.InvalidPublicKey	The OAUTH 2.0 API public key parameter is in an incorrect format.
InvalidParameterValue.InvalidRegion	Incorrect region.
InvalidParameterValue.InvalidRequestParameters	Invalid request parameter.
InvalidParameterValue.InvalidScfConfig	The SCF API parameters are invalid.
InvalidParameterValue.InvalidServiceConfig	Invalid service configuration.
InvalidParameterValue.InvalidServiceMockReturnMessage	The `ServiceMockReturnMessage` parameter is incorrect.
InvalidParameterValue.InvalidServiceParam	The parameter configuration is incorrect, as the parameter is not configured in the backend parameter configuration list.
InvalidParameterValue.InvalidServiceParameters	The `ServiceParameters` parameter is incorrect.
InvalidParameterValue.InvalidServiceType	The backend service type is incorrect. For backend services in WEBSOCKET type, the frontend protocol should be configured as WEBSOCKET.
InvalidParameterValue.InvalidTsfConfig	Incorrect configuration of the TSF-type API.
InvalidParameterValue.InvalidUpstream	The backend channel does not exist or is invalid.
InvalidParameterValue.InvalidUrl	The URL parameters are invalid.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.InvalidWSMethod	The method is incorrect. For backend services in the WEBSOCKET type, the frontend method should be configured as GET.
InvalidParameterValue.LimitExceeded	The number of parameters has reached the limit (100).
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an

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	available option.
InvalidParameterValue.ParameterNotMatch	The backend parameter configuration is incorrect, as the related frontend parameters are not configured.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
LimitExceeded.ApiCountLimitExceeded	The number of APIs exceeds the limit.
MissingParameter	Missing parameter.
ResourceNotFound.InvalidOauthApi	Error with the OAuth service API.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.BasicServiceNoMoreApi	You are using the basic edition and only one API can be created.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.InvalidEndpointType	Backend type not supported
UnsupportedOperation.ServiceExist	
UnsupportedOperation.UnpackError	
UnsupportedOperation.UnsupportedNetType	Unsupported network type

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DeleteApi

Last updated：2024-04-08 15:11:14

1. API Description

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

This API is used to delete a created API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteApi.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of API.
ApiId	Yes	String	Unique API ID.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether deletion succeeded.

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		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 DeleteApi

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteApi
&ServiceId=service-ody35h5e
&ApiId=api-e92i2jds
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
FailedOperation.ApiBindEnvironmen	This API has been bound with a usage plan.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.

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ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.
UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.
UnsupportedOperation.UnsupportedDeleteApi	The current API has already been bound to a business API. Please unbind it and try again.

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DescribeApi

Last updated：2024-04-08 15:11:14

1. API Description

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

This API (`DescribeApi`) is used to query the details of the APIs users manage via Tencent Cloud API Gateway.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApi.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of API.
ApiId	Yes	String	Unique API ID.

3. Output Parameters

Parameter Name	Type	Description
Result	ApiInfo	API details.

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 API details

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApi
&ServiceId=service-ody35h5e
&ApiId=api-3v4tzy3u
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": {
"EnableCORS": false,
"ServiceDesc": "xx",
"RequestParameters": [
{
"Name": "xx",
"DefaultValue": "xx",
"Required": true,
"Position": "xx",
"Type": "xx",
"Desc": "xx"
}
],
"InternalDomain": "xx",
"ServiceWebsocketRegisterFunctionName": "xx",
"ServiceWebsocketRegisterFunctionQualifier": "xx",
"MicroServices": [
{
"MicroServiceName": "xx",
"ClusterId": "xx",
"NamespaceId": "xx"
}
],
"ServiceWebsocketRegisterFunctionNamespace": "xx",
"CreatedTime": "2020-09-22T00:00:00+00:00",
```

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```
"ConstantParameters": [
{
"Position": "xx",
"DefaultValue": "xx",
"Name": "xx",
"Desc": "xx"
}
],
"ServiceTsfLoadBalanceConf": {
"SessionStickRequired": true,
"IsLoadBalance": true,
"SessionStickTimeout": 0,
"Method": "xx"
},
"ServiceWebsocketTransportFunctionNamespace": "xx",
"ServiceScfFunctionQualifier": "xx",
"ServiceScfIsIntegratedResponse": true,
"ServiceWebsocketTransportFunctionName": "xx",
"ResponseSuccessExample": "xx",
"ServiceConfig": {
"Product": "xx",
"UniqVpcId": "xx",
"Url": "xx",
"CosConfig": {
"Action": "xx",
"PathMatchMode": "xx",
"BucketName": "xx",
"Authorization": true
},
"UpstreamId": "xx",
"Path": "xx",
"Method": "xx"
},
"Tags": [
{
"Value": "xx",
"Key": "xx"
}
],
"ServiceParameters": [
{
"RelevantRequestParameterPosition": "xx",
"Name": "xx",
"RelevantRequestParameterDesc": "xx",
"DefaultValue": "xx",
"RelevantRequestParameterName": "xx",
"Position": "xx"
```


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```
}
],
"ServiceScfFunctionNamespace": "xx",
"RequestConfig": {
"Path": "xx",
"Method": "xx"
},
"ServiceWebsocketTransportFunctionQualifier": "xx",
"IsDebugAfterCharge": false,
"ApiBusinessType": "xx",
"ApiName": "xx",
"Base64EncodedTriggerRules": [
{
"Name": "xx",
"Value": [
"xx"
]
},
{
"Name": "xx",
"Value": [
"xx"
]
}
],
"ResponseFailExample": "xx",
"ResponseType": "xx",
"AuthType": "xx",
"ServiceTimeout": 15,
"ServiceName": "xx",
"ApiDesc": "xx",
"ServiceWebsocketCleanupFunctionQualifier": "xx",
"OauthConfig": {
"PublicKey": "xx",
"LoginRedirectUrl": "xx",
"TokenLocation": "xx"
},
"IsBase64Trigger": false,
"ServiceScfFunctionName": "xx",
"ServiceTsfHealthCheckConf": {
"RequestVolumeThreshold": 0,
"SleepWindowInMilliseconds": 0,
"ErrorThresholdPercentage": 0,
"IsHealthCheck": true
},
"ServiceMockReturnMessage": "xx",
"ResponseErrorCodes": [
```


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```
{
"Msg": "xx",
"NeedConvert": true,
"Code": 0,
"ConvertedCode": 0,
"Desc": "xx"
}
],
"ServiceType": "xx",
"AuthRelationApiId": "xx",
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"MicroServicesInfo": [
0
],
"ApiId": "xx",
"Environments": [
"xx"
],
"ApiType": "xx",
"ServiceId": "xx",
"ServiceWebsocketCleanupFunctionName": "xx",
"Protocol": "xx",
"IsBase64Encoded": false,
"ServiceWebsocketCleanupFunctionNamespace": "xx"
},
"RequestId": "xx"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ApiError	API error.
FailedOperation.EbError	Failed to bind/unbind EventBridge.
FailedOperation.ServiceNotExist	The service does not exist.
InternalError	Internal error.
InternalError.DbException	
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
InvalidParameterValue.InvalidUpstream	The backend channel does not exist or is invalid.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.InvalidAction	API error.

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DescribeApiUsagePlan

Last updated：2024-04-08 15:11:13

1. API Description

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

This API is used to query the details of API usage plans in a service.
To make authentication and throttling for a service take effect, you need to bind a usage plan to it. This API is used to query all usage plans bound to a service and APIs under it.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiUsagePlan.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be queried.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

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3. Output Parameters

Parameter Name	Type	Description
Result	ApiUsagePlanSet	List of usage plans bound to API. 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 APIs bound to a usage plan

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiUsagePlan
&ServiceId=service-ody35h5e
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiUsagePlanList": [
{
"ServiceId": "service-ody35h5e",
"ServiceName": null,
"ApiId": "api-e92i2jds",
"ApiName": "test2",
"Path": "/users",
"Method": "POST",
"UsagePlanId": "usagePlan-quqxvett",
"UsagePlanName": "aaa",
"UsagePlanDesc": "xby",
"Environment": "test",
"InUseRequestNum": 0,
```

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```
"MaxRequestNum": -1,
"MaxRequestNumPreSec": null,
"CreatedTime": "2020-02-17T11:26:42Z",
"ModifiedTime": "2020-02-17T13:47:47Z"
}
]
},
"RequestId": "8783bfc8-70e3-494a-97f4-0ccc10987aa8"
}
}
```


5. Developer Resources

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.

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ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeApisStatus

Last updated：2024-04-08 15:11:12

1. API Description

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

This API is used to view a certain API or the list of all APIs under a service and relevant information.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApisStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of API.
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.
Filters.N	No	Array of Filter	API filter. Valid values: `ApiId` , `ApiName` , `ApiPath` , `ApiType` , `AuthRelationApiId` , `AuthType` , `ApiBuniessType` , `NotUsagePlanId` , `Environment` , `Tags` (whose values are the list of `$tag_key:tag_value`), `TagKeys` (whose values are the list of tag keys). Note that

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			`NotUsagePlanId` and `Environment` must be used in the same time.

3. Output Parameters

Parameter Name	Type	Description
Result	ApisStatus	List of API 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 API status

This example shows you how to query API status.

Input Example

```
POST / HTTP/1.1
Host: apigateway.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeApisStatus
<Common Request Parameters>

{
"ServiceId": "service-ody35h5e"
}
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiIdStatusSet": [
{
"RelationBuniessApiIds": [
"123"
```

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```
],
"CreatedTime": "2020-09-22T00:00:00+00:00",
"Method": "123",
"VpcId": 0,
"Tags": [
"123"
],
"IsDebugAfterCharge": false,
"ApiBusinessType": "1",
"ApiName": "1",
"Path": "1",
"AuthType": "1",
"ApiDesc": "1",
"OauthConfig": {
"PublicKey": "1",
"LoginRedirectUrl": "1",
"TokenLocation": "1"
},
"AuthRelationApiId": "1",
"Protocol": "1",
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"UniqVpcId": "1",
"ApiId": "1",
"ApiType": "1",
"ServiceId": "1"
}
]
},
"RequestId": "1"
}
}
```


5. Developer Resources

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- Tencent Cloud SDK 3.0 for Node.js

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ServiceNotExist	The service does not exist.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.RequestPostError	

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ImportOpenApi

Last updated：2024-04-08 15:11:12

1. API Description

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

This API is used to import an OpenAPI to API gateway.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ImportOpenApi.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	The unique ID of the service associated with the API
Content	Yes	String	Content of the openAPI
EncodeType	No	String	Format of the content. Values: `YAML` (default), `JSON`
ContentVersion	No	String	Version of the content. It can only be `openAPI` for now.

3. Output Parameters

Parameter	Type	Description

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

4. Example

Example1 ImportOpenApi

Input Example

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

{
"ServiceId": "service-xxxxx",
"EncodeType": "YAML",
"Content": "info:\n title:test\n version: 1.0.1\nopenapi: 3.0.0\npaths:\n /:\n ge
t:\n operationId: test\n responses:\n '200':\n description: The list of possible
responsesas they are returned from executing\n this operation.\n x-apigw-api-busi
ness-type: NORMAL\n x-apigw-api-type: NORMAL\n x-apigw-backend:\n MockReturnHttpH
eaders: []\n MockReturnHttpStatusCode: 200\n ServiceMockReturnMessage: ok\n Servi
ceType: MOCK\n x-apigw-cors: false\n x-apigw-protocol: HTTP\n x-apigw-service-tim
eout: 15\n",
"ContentVersion": "openAPI"
}
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiSet": [
{
"ApiName": "test",
"Path": "/",
"Method": "GET",
```

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```
"Status": "success",
"ErrMsg": "",
"ApiId": "api-xxxxxxx",
"CreatedTime": "2020-09-22T00:00:00+00:00"
}
]
},
"RequestId": "61cb6d76-xxxx-xxxx-xxx-xxxxxxxxxx"
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
FailedOperation.ApiError	API error.
InternalError	Internal error.

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InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue	The parameter value is incorrect.
InvalidParameterValue.InvalidServiceConfig	Invalid service configuration.
InvalidParameterValue.UnsupportedParameter	Invalid parameter value.
LimitExceeded.ApiCountLimitExceeded	The number of APIs exceeds the limit.
MissingParameter.BackendSpecificParam	The backend service parameter is missing.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.UnpackError	

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ModifyApi

Last updated：2024-04-08 15:11:11

1. API Description

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

This API is used to modify an API. You can call this API to edit/modify a configured API. The modified API takes effect only after its service is published to the corresponding environment again.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Para used for this AI
Version	Yes	String	Common Para used for this AI 08.
Region	No	String	Common Para parameter is n this API.
ServiceId	Yes	String	Unique service
ServiceType	Yes	String	API backend s Valid values: H TSF, CLB, SCI

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			WEBSOCKET beta test).
RequestConfig	Yes	RequestConfig	Request fronte configuration.
ApiId	Yes	String	Unique API ID.
ApiName	No	String	Custom API na
ApiDesc	No	String	Custom API de
ApiType	No	String	API type. Valid NORMAL, TSF value: NORMA
AuthType	No	String	API authentica Valid values: S NONE, OAUTI Default value: N
AuthRequired	No	Boolean	Whether signat authentication True: yes; Fals parameter is to
ServiceTimeout	No	Integer	API backend s timeout period
Protocol	No	String	API frontend re such as HTTP, HTTP and HT
EnableCORS	No	Boolean	Whether to ena True: yes; Fals
ConstantParameters.N	No	Array of ConstantParameter	Constant parar
RequestParameters.N	No	Array of ReqParameter	Frontend reque parameter.
ApiBusinessType	No	String	This field is val `AuthType` i NORMAL: bus OAUTH: autho
ServiceMockReturnMessage	No	String	Returned mess backend Mock

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			required if `ServiceTyp` `Mock` .
MicroServices.N	No	Array of MicroServiceReq	List of microse to API.
ServiceTsfLoadBalanceConf	No	TsfLoadBalanceConfResp	Load balancing configuration o microservice.
ServiceTsfHealthCheckConf	No	HealthCheckConf	Health check c of microservice
TargetServicesLoadBalanceConf	No	Integer	`target` typ balancing confi beta test).
TargetServicesHealthCheckConf	No	HealthCheckConf	`target` hea configuration (i
ServiceScfFunctionName	No	String	SCF function n takes effect if tl type is `SCF` .
ServiceWebsocketRegisterFunctionName	No	String	SCF WebSock registration fun takes effect if tl type is `WEBSC` the backend ty
ServiceWebsocketCleanupFunctionName	No	String	SCF WebSock function, which if the frontend t `WEBSOCKET` backend type i
ServiceWebsocketTransportFunctionName	No	String	SCF WebSock function, which if the frontend t `WEBSOCKET` backend type i
ServiceScfFunctionNamespace	No	String	SCF function n which takes eff backend type i

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ServiceScfFunctionQualifier	No	String	SCF function v takes effect if tl type is `SCF` .
ServiceWebsocketRegisterFunctionNamespace	No	String	SCF WebSock registration fun namespace, w effect if the fror `WEBSOCKET` backend type i
ServiceWebsocketRegisterFunctionQualifier	No	String	SCF WebSock function versio takes effect if tl type is `WEBSC` the backend ty
ServiceWebsocketTransportFunctionNamespace	No	String	SCF WebSock function names takes effect if tl type is `WEBSC` the backend ty
ServiceWebsocketTransportFunctionQualifier	No	String	SCF WebSock function versio takes effect if tl type is `WEBSC` the backend ty
ServiceWebsocketCleanupFunctionNamespace	No	String	SCF WebSock function names takes effect if tl type is `WEBSC` the backend ty
ServiceWebsocketCleanupFunctionQualifier	No	String	SCF WebSock function versio takes effect if tl type is `WEBSC` the backend ty
ServiceScfIsIntegratedResponse	No	Boolean	Whether to ena integration, wh effect if the bac `SCF` .

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IsDebugAfterCharge	No	Boolean	Billing after deb (reserved field marketplace).
TagSpecifications	No	Tag	Tag.
IsDeleteResponseErrorCodes	No	Boolean	Whether to del codes for custo configuration. I left empty or `I` error codes wil deleted. If the v `True` , all cu response confi codes of the AI deleted.
ResponseType	No	String	Return type.
ResponseSuccessExample	No	String	Sample respor successful cus configuration.
ResponseFailExample	No	String	Sample respor custom respon configuration.
ServiceConfig	No	ServiceConfig	API backend s configuration.
AuthRelationApiId	No	String	Unique ID of as authorization A takes effect onl `AuthType` i and `ApiBusi` is `NORMAL` . unique ID of th authorization A the business A
ServiceParameters.N	No	Array of ServiceParameter	API backend s parameter.
OauthConfig	No	OauthConfig	OAuth configur takes effect if is `OAUTH` .

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ResponseErrorCodes.N	No	Array of ResponseErrorCodeReq	Custom error c configuration.
IsBase64Encoded	No	Boolean	Whether to ena encoding. This takes effect onl backend is SC
IsBase64Trigger	No	Boolean	Whether to trig encoding by he parameter take when the back
Base64EncodedTriggerRules.N	No	Array of Base64EncodedTriggerRule	Header trigger number of rules exceed 10.
EventBusId	No	String	Event bus ID.
ServiceScfFunctionType	No	String	SCF function ty takes effect wh backend type i Valid values: `HTTP` .
EIAMAppType	No	String	EIAM applicati
EIAMAuthType	No	String	EIAM applicati authentication values: `Authentica` `Authentica` `Authorizat`
EIAMAppId	No	String	Validity of the E application tok second. Defaul `7200` .
TokenTimeout	No	Integer	EIAM applicati

3. Output Parameters

Parameter	Type	Description

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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 ModifyApi

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyApi
&ServiceId=service-ody35h5e
&ApiId=api-lqd35zzq
&ApiName=xxx
&RequestConfig.Path=/xxxx
&RequestConfig.Method=get
&ServiceType=MOCK
&ServiceMockReturnMessage=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6e00553a-8158-4f70-ad43-e1b046af1502"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
FailedOperation.ApiError	API error.
FailedOperation.ApiInOperation	The API is being manipulated. Please try again later.
FailedOperation.BackendDomainError	
FailedOperation.DomainNeedBeian	The domain name does not have an ICP filing through Tencent Cloud. Please get the ICP filing before binding the domain name.
FailedOperation.EIAMError	Error form EIAM
FailedOperation.EbError	Failed to bind/unbind EventBridge.
FailedOperation.GetRoleError	Failed to get the role. Please make sure that relevant API Gateway service APIs have been authorized.
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ClbException	CLB internal request error. Please try again. If the problem persists, please submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer

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	service or submit a ticket.
InternalError.ScfException	SCF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.TsfException	TSF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.VpcException	VPC internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.BasicServiceNotAllowAttachPlugin	You are using the basic edition and can not be bind a plug-in.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue	The parameter value is incorrect.
InvalidParameterValue.IllegalProxyIp	Invalid backend IP address.
InvalidParameterValue.InvalidApiBusinessType	The API business type passed in must be `OAUTH` .
InvalidParameterValue.InvalidBackendPath	The backend service path configuration is incorrect.
InvalidParameterValue.InvalidClb	Invalid CLB configuration.
InvalidParameterValue.InvalidConstantParameters	The constant parameter is invalid.
InvalidParameterValue.InvalidIPAddress	The value of the backend address parameter is incorrect.
InvalidParameterValue.InvalidMethod	The method is incorrect. For backend services in the WEBSOCKET type, the frontend method should be configured as GET.
InvalidParameterValue.InvalidPort	The backend service port is incorrect.
InvalidParameterValue.InvalidPublicKey	The OAUTH 2.0 API public key parameter is in an incorrect format.
InvalidParameterValue.InvalidRegion	Incorrect region.
InvalidParameterValue.InvalidRequestParameters	Invalid request parameter.
InvalidParameterValue.InvalidScfConfig	The SCF API parameters are invalid.

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InvalidParameterValue.InvalidServiceConfig	Invalid service configuration.
InvalidParameterValue.InvalidServiceParam	The parameter configuration is incorrect, as the parameter is not configured in the backend parameter configuration list.
InvalidParameterValue.InvalidServiceType	The backend service type is incorrect. For backend services in WEBSOCKET type, the frontend protocol should be configured as WEBSOCKET.
InvalidParameterValue.InvalidUpstream	The backend channel does not exist or is invalid.
InvalidParameterValue.InvalidUrl	The URL parameters are invalid.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.InvalidWSMethod	The method is incorrect. For backend services in the WEBSOCKET type, the frontend method should be configured as GET.
InvalidParameterValue.LengthExceeded	The length of the parameter exceeds the limit.
InvalidParameterValue.LimitExceeded	The number of parameters has reached the limit (100).
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
InvalidParameterValue.ParameterNotMatch	The backend parameter configuration is incorrect, as the related frontend parameters are not configured.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
LimitExceeded.ApiCountLimitExceeded	The number of APIs exceeds the limit.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidOauthApi	Error with the OAuth service API.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.InvalidEndpointType	Backend type not supported
UnsupportedOperation.ModifyEIAMAuthApi	The EIAM authentication API cannot be modified.
UnsupportedOperation.ModifyProtocol	The frontend protocol type cannot be changed.

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UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.
UnsupportedOperation.UnpackError	

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ModifyApiIncrement

Last updated：2024-04-08 15:11:10

1. API Description

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

This API is used to incrementally update an API and mainly called by programs (different from `ModifyApi`, which requires that full API parameters be passed in and is suitable for use in the console).

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyApiIncrement.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Service ID
ApiId	Yes	String	API ID
BusinessType	Yes	String	Authorization type of the API to be modified (you can select `OAUTH`, i.e., authorization API)
PublicKey	No	String	Public key value to be modified by OAuth API
LoginRedirectUrl	No	String	OAuth API redirect address

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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 ModifyApiIncrement

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyApiIncrement
&ServiceId="service-123"
&ApiId="api-123"
&BusinessType="OAUTH"
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "c570c877-3c23-4d84-9589-68914dab1507"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidApiBusinessType	The API business type passed in must be `OAUTH`.
InvalidParameterValue.NothingModifyForOauth	There are no modifiable items for the OAuth API.
ResourceNotFound.InvalidApi	Incorrect `ApiId`.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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Key APIs
CreateApiKey

Last updated：2024-04-08 15:11:20

1. API Description

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

This API is used to create an API key pair.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateApiKey.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
SecretName	Yes	String	Custom key name.
AccessKeyType	No	String	Key type. Valid values: auto, manual (custom key). Default value: auto.
AccessKeyId	No	String	Custom key ID, which is required if `AccessKeyType` is `manual`. It can contain 5–50 letters, digits, and underscores.
AccessKeySecret	No	String	Custom key, which is required if `AccessKeyType` is `manual`. It can contain 10–50 letters, digits, and underscores.

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3. Output Parameters

Parameter Name	Type	Description
Result	ApiKey	New key 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 CreateApiKey

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreateApiKey
&SecretName=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"AccessKeyId": "AKID8my5MRr9i6VM98F3dZG9zV0KuBq5ID7pMG83",
"AccessKeySecret": "9i3BQU8lMUl2dAvrF8RvL5EM6RKEG47P770du61B",
"AccessKeyType": "auto",
"SecretName": "test",
"Status": 1,
"CreatedTime": "2020-02-26T06:10:01Z",
"ModifiedTime": "2020-02-26T06:10:01Z"
},
"RequestId": "ad5218b4-edc3-4195-ba4d-a0ef176783ba"
}
}
```

5. Developer Resources

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SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.AccessKeyExist	The custom key already exists.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
LimitExceeded.ApiKeyCountLimitExceeded	The number of keys exceeds the limit.
UnauthorizedOperation.UncertifiedUser	The user has not passed identity verification.
UnsupportedOperation.UnpackError	

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DeleteApiKey

Last updated：2024-04-08 15:11:19

1. API Description

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

This API is used to delete an API key pair.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteApiKey.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
AccessKeyId	Yes	String	ID of the key to be deleted.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether deletion succeeded. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 DeleteApiKey

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteApiKey
&AccessKeyId=AKID8my5MRr9i6VM98F3dZG9zV0KuBq5ID7pMG83
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7bc61f00-1cb0-4436-9f7e-55c3e2652248"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
UnsupportedOperation.InvalidStatus	The current key status does not support this operation.
UnsupportedOperation.ResourceIsInUse	The key has already been bound to a usage plan. Please unbind it and try again.

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DescribeApiKey

Last updated：2024-04-08 15:11:19

1. API Description

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

This API is used to query the details of a key.
After creating an API key, you can query its details by using this API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiKey.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
AccessKeyId	Yes	String	API key ID.

3. Output Parameters

Parameter Name	Type	Description
Result	ApiKey	Key details. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 DescribeApiKey

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiKey
&AccessKeyId=AKID1IGx7Tu5mk150ds6fhbdi1RqD8KlI6dW32MD
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"AccessKeyId": "AKID1IGx7Tu5mk150ds6fhbdi1RqD8KlI6dW32MD",
"AccessKeySecret": "hvhuan76de5im5Fa0bqh8aaBcOO9cy6c7yg2ywlf",
"AccessKeyType": "auto",
"SecretName": "dd",
"Status": 1,
"CreatedTime": "2020-02-26T06:09:44Z",
"ModifiedTime": "2020-02-26T06:45:57Z"
},
"RequestId": "ac423dbe-4e28-470d-b3f7-b8c95c614124"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.CamException	
ResourceNotFound.InvalidAccessKeyId	The key does not exist.

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DescribeApiKeysStatus

Last updated：2024-04-08 15:11:18

1. API Description

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

This API is used to query the information of one or more API keys.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiKeysStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. Valid values: AccessKeyId, AccessKeySecret, SecretName, NotUsagePlanId, Status, KeyWord (match with `name` or `path`).

3. Output Parameters

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Parameter Name	Type	Description
Result	ApiKeysStatus	Key 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 DescribeApiKeysStatus

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiKeysStatus
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ApiKeySet": [
{
"AccessKeyId": "AKID1IGx7Tu5mk150ds6fhbdi1RqD8KlI6dW32MD",
"AccessKeySecret": "qYSyjJAn6BNAmoRpFs93HhtchFCGy4K3zrC2WjR",
"AccessKeyType": "auto",
"SecretName": "dd",
"Status": 1,
"CreatedTime": "2020-02-26T06:09:44Z",
"ModifiedTime": "2020-02-26T06:09:44Z"
}
]
},
"RequestId": "6096c75d-1562-44be-a4af-75b5e235d319"
}
}
```

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5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.CamException	
InternalError.CamException	
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
InvalidParameterValue.InvalidRegion	Incorrect region.

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DisableApiKey

Last updated：2024-04-08 15:11:18

1. API Description

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

This API is used to disable an API 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	Common Params. The value used for this API: DisableApiKey.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
AccessKeyId	Yes	String	ID of the key to be disabled.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the key is successfully disabled. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 DisableApiKey

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DisableApiKey
&AccessKeyId=AKID8my5MRr9i6VM98F3dZG9zV0KuBq5ID7pMG83
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "6ea68436-c37c-4887-9a2b-91ed0eb72f7a"
}
}
```

5. Developer Resources

SDK

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6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
UnsupportedOperation.UinNotInWhiteList	The current `Uin` is not in the manual key allowlist.
UnsupportedOperation.UnsupportedUpdateApiKey	The current key status does not support this operation.

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EnableApiKey

Last updated：2024-04-08 15:11:17

1. API Description

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

This API is used to enable a disabled API 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	Common Params. The value used for this API: EnableApiKey.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
AccessKeyId	Yes	String	ID of the key to be enabled.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the key is successfully enabled. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 EnableApiKey

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=EnableApiKey
&AccessKeyId=AKID8my5MRr9i6VM98F3dZG9zV0KuBq5ID7pMG83
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "db81808c-77d5-4fc9-9ab4-de59991f9933"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
UnsupportedOperation.UinNotInWhiteList	The current `Uin` is not in the manual key allowlist.
UnsupportedOperation.UnsupportedUpdateApiKey	The current key status does not support this operation.

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UpdateApiKey

Last updated：2024-04-08 15:11:16

1. API Description

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

This API is used to update a created API key pair.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UpdateApiKey.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
AccessKeyId	Yes	String	ID of the key to be changed.
AccessKeySecret	No	String	Key to be updated, which is required when a custom key is updated. It can contain 10–50 letters, digits, and underscores.

3. Output Parameters

Parameter Name	Type	Description

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Result	ApiKey	Key details after change. 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 UpdateApiKey

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UpdateApiKey
&AccessKeyId=AKID8my5MRr9i6VM98F3dZG9zV0KuBq5ID7pMG83
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"AccessKeyId": "AKID8my5MRr9i6VM98F3dZG9zV0KuBq5ID7pMG83",
"AccessKeySecret": "hvhuan76de5im5Fa0bqh8aaBcOO9cy6c7yg2ywlf",
"AccessKeyType": "auto",
"SecretName": "dd",
"Status": 1,
"CreatedTime": "2020-02-26T06:09:44Z",
"ModifiedTime": "2020-02-26T06:45:57Z"
},
"RequestId": "3d0d6dc0-1fa9-4634-9c42-a1ff635c0bd5"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
UnsupportedOperation.UinNotInWhiteList	The current `Uin` is not in the manual key allowlist.

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Log APIs
DescribeLogSearch

Last updated：2024-06-19 14:46:57

1. API Description

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

This API is used to search for logs.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeLogSearch.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
StartTime	Yes	Timestamp	Log start time
EndTime	Yes	Timestamp	Log end time
ServiceId	Yes	String	Service ID
Filters.N	No	Array of Filter	Reserved field

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Limit	No	Integer	Number of logs to be returned at a time. Maximum value: 100
ConText	No	String	Subsequent content can be obtained based on the `ConText` returned last time. Up to 10,000 data entries can be obtained
Sort	No	String	Sorting by time. Valid values: asc (ascending), desc (descending). Default value: desc
Query	No	String	Reserved field
LogQuerys.N	No	Array of LogQuery	Search criterion. Valid values: req_id: "=" api_id: "=" cip: "=" uip: ":" err_msg: ":" rsp_st: "=", "!=", ":", ">", "<" req_t: ">=", "<=" Note: ":" indicates included, and "!=" indicates not equal to. For the meanings of fields, please see the `LogSet` description of the output parameter

3. Output Parameters

Parameter Name	Type	Description
ConText	String	Cursor for getting more search results. If the value is `""`, there will be no subsequent results
LogSet	Array of String	The returned result contains any number of logs, which are in the following format: '[$app_id][$env_name][$service_id][$http_host][$api_id][$uri][$scheme][rsp_st:$status][ups_st:$upstream_status]' '[cip:$remote_addr][uip:$upstream_addr][vip:$server_addr][rsp_len:$bytes_sent][req_len:$request_length]' '[req_t:$request_time][ups_rsp_t:$upstream_response_time][ups_conn_t:$upstream_connect_time][ups_head_t:$upstream_header_time]' '[err_msg:$err_msg][tcp_rtt:$tcpinfo_rtt][$pid][$time_local][req_id:$request_id]'; Note: app_id: user ID. env_name: environment name.

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		service_id: service ID. http_host: domain name. api_id: API ID. uri: request path. scheme: HTTP/HTTPS protocol. rsp_st: request response status code. ups_st: backend business server response status code (if the request is passed through to the backend, this variable will not be empty. If the request is blocked in API Gateway, this variable will be displayed as `-`). cip: client IP. uip: backend business service (upstream) IP. vip: VIP requested to be accessed. rsp_len: response length. req_len: request length. req_t: total request response time. ups_rsp_t: total backend response time (time between connection establishment by API Gateway and backend response receipt). ups_conn_t: time when the backend business server is successfully connected to. ups_head_t: time when the backend response header arrives. err_msg: error message. tcp_rtt: client TCP connection information. RTT (Round Trip Time) consists of three parts: link propagation delay, end system processing delay, and queuing delay in router cache. req_id: request ID.
TotalCount	Integer	Number of logs returned for one search (`TotalCount <= Limit`)
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Indicating request failure

This example shows you how to figure out what happens when parameters are invalid.

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeLogSearch
&StartTime=2019-10-10 00:00:00
&EndTime=2019-10-10 23:59:59
&ServiceId=service-8xipv0ua
```

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```
&Limit=101
&<Common Request Parameters>
```

Output Example


```
{
"Response": {
"ConText": "Y29udGV4dC0xOTE1NTdiOS04YjVhLTRkZWQtODA5YS0zOTg2MmY0ZjdkN2MxNTkwNjc3N
zU5NTcy",
"TotalCount": 20,
"LogSet": [
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:12500][20260][28/May/2020:22:42:42 +080
0][req_id:a26f8eaf6ef7e4ef466a25036332139a]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:13500][20247][28/May/2020:22:42:41 +080
0][req_id:53500963839556bc40ae185c2a135353]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:12500][20244][28/May/2020:22:42:41 +080
0][req_id:e4a934687379333230168e4674655b00]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:12500][20261][28/May/2020:22:42:41 +080
0][req_id:74ddc940596054cd16fc7b2ccfa6b36d]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:14000][20240][28/May/2020:22:42:40 +080
0][req_id:ad1f06dd126d10930dbed41c2dbcd90a]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:14500][20253][28/May/2020:22:42:40 +080
0][req_id:56865fe7631a4ca9efaaeeeebe739707]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:14000][20249][28/May/2020:22:42:39 +080
0][req_id:51a305fc4f84248695b0313f58002e54]",
```


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```
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:15500][20273][28/May/2020:22:42:39 +080
0][req_id:81cc0eb9d1cabe580c0f91e4cd514b6a]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:16000][20254][28/May/2020:22:42:38 +080
0][req_id:138467bbff388882dadf7d101ff321e0]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:14500][20236][28/May/2020:22:42:38 +080
0][req_id:bd80236f63a0cc276b3e37596aadd41b]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:11500][20259][28/May/2020:22:42:37 +080
0][req_id:a9f65829cf6e6b89f1ac1667eb1f7917]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
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0][req_id:946d51c39f23bdc99f1949420aab32cb]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:11500][20252][28/May/2020:22:42:36 +080
0][req_id:e762ac1b039098de1d140b4369c3e478]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:11500][20235][28/May/2020:22:42:36 +080
0][req_id:0b353eac83a78dbdaa6366f5ec5dedfc]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:12500][20247][28/May/2020:22:42:35 +080
0][req_id:55371f19fb83913ff86755c2ae52362c]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
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0][req_id:32ab8e63e7dfaa8b553ba58085fd754c]",
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centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
```

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```
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:12500][20232][28/May/2020:22:42:34 +080
0][req_id:21c6c7c1e21bc7e39c290bf3d56bd3ba]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:12000][20263][28/May/2020:22:42:33 +080
0][req_id:3970867bbb023265a03b86d49ef52b59]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:12000][20255][28/May/2020:22:42:33 +080
0][req_id:caaa1b83b0bcd7a5b1325281769b9364]",
"[1300127097][release][service-8xipv0ua][service-8xipv0ua-1300127097.gz.apigw.ten
centcs.com][api-55rj9ide][/][http][rsp_st:200][ups_st:-][cip:119.123.71.59][uip:
-][vip:193.112.148.212][rsp_len:328][req_len:114][req_t:0.000][ups_rsp_t:-][ups_c
onn_t:-][ups_head_t:-][err_msg:-][tcp_rtt:8500][20246][28/May/2020:22:42:32 +080
0][req_id:64866292cce1f59504e4ae30796d3731]"
],
"RequestId": "239c9af4-2e79-4252-b5e5-c7a4c0c7f743"
}
}
```

Example2 Indicating Filters parameter examples

This example shows you how to view LogQuerys that indicates the log search criteria.Including: LogQuerys.0.Name=api_id&LogQuerys.0.Operator==&LogQuerys.0.Value=api-55rj9ide indicates to search for logs of api_id=api-55rj9ide.

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeLogSearch
&StartTime=2020-05-28 22:00:00
&EndTime=2020-05-28 23:00:00
&ServiceId=service-8xipv0ua
&LogQuerys.0.Name=api_id
&LogQuerys.0.Operator==
&LogQuerys.0.Value=api-55rj9ide
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"RequestId": "5a8b1de4-04f5-48eb-9be6-93491ebee6e1"
```

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```
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.ClsSearchTime	Invalid log query period
UnsupportedOperation.InvalidAction	API error.

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Service APIs
CreateService

Last updated：2024-04-08 15:11:00

1. API Description

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

This API is used to create a service.
A service is the biggest usage unit in API Gateway. Each service can contain multiple APIs and one default domain name for invocation. You can also bind your own custom domain name to a 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	Common Params. The value used for this API: CreateService.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceName	Yes	String	Custom service name.
Protocol	Yes	String	Service frontend request type, such as `http` , `https` , and `http&https` .
ServiceDesc	No	String	Custom service description.
ExclusiveSetName	No	String	Dedicated cluster name, which is used to specify the dedicated

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			cluster where the service is to be created.
NetTypes.N	No	Array of String	Network type list, which is used to specify the supported network types. INNER: private network access; OUTER: public network access. Default value: OUTER.
IpVersion	No	String	IP version number. Valid values: IPv4, IPv6. Default value: IPv4.
SetServerName	No	String	Cluster name, which is reserved and used by the `tsf serverless` type.
AppIdType	No	String	User type, which is reserved and can be used by `serverless` users.
Tags.N	No	Array of Tag	Tag information.
InstanceId	No	String	Dedicated instance ID
UniqVpcId	No	String	VPC attribute

3. Output Parameters

Parameter Name	Type	Description
ServiceId	String	Unique service ID.
ServiceName	String	Custom service name.
ServiceDesc	String	Custom service description.
OuterSubDomain	String	Default public domain name.
InnerSubDomain	String	Default VPC domain name.
CreatedTime	Timestamp ISO8601	Service creation time in the format of `YYYY-MM-DDThh:mm:ssZ` according to ISO 8601 standard. UTC time is used.
NetTypes	Array of String	Network type list. INNER: private network access; OUTER: public network access.
IpVersion	String	IP version number. Note: this field may return null, indicating that no valid values can be obtained.

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

4. Example

Example1 CreateService

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=CreateService
&ServiceName=test_https
&ServiceDesc=https
&Protocol=https
&<Common request parameters>
```

Output Example

```
{
"Response": {
"ServiceId": "service-0c96l2bo",
"ServiceName": "test_https",
"ServiceDesc": "https",
"OuterSubDomain": "service-0c96l2bo-1251006373.ap-guangzhou.apigateway.myqcloud.c
om",
"InnerSubDomain": "",
"IpVersion": "IPv4",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"NetTypes": [
"OUTER"
],
"RequestId": "e3705d00-bfe0-4fde-942c-cebd6b12431b"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
FailedOperation.InstanceNotExist	The instance does not exist or is invalid.
FailedOperation.TagBindServiceError	The tag was not bound to the specified service.
InternalError	Internal error.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.CauthException	CAuth internal request error. Please try again later. If the problem persists, please submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the

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	problem persists, please contact the smart customer service or submit a ticket.
InternalError.VpcException	VPC internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue	The parameter value is incorrect.
InvalidParameterValue.InvalidRegion	Incorrect region.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
InvalidParameterValue.ParameterValueLimitExceeded	The number of parameters exceeded limit.
LimitExceeded	The quota limit is exceeded.
LimitExceeded.IpStrategyLimitExceeded	The number of IP policies exceeds the limit.
LimitExceeded.ServiceCountLimitExceeded	The number of services exceeds the limit. Please delete some services or increase the limit and try again.
MissingParameter	Missing parameter.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation.UncertifiedUser	The user has not passed identity verification.
UnsupportedOperation.AccountArrears	Insufficient account balance
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.UnpackError	

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DeleteService

Last updated：2024-04-08 15:11:00

1. API Description

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

This API is used to delete a service in API Gateway.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteService.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be deleted.
SkipVerification	No	Integer	A parameter used to set to skip the deletion precondition verification (only supported for services on dedicated instances).

3. Output Parameters

Parameter Name	Type	Description

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

4. Example

Example1 Deleting a service

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DeleteService
&ServiceId=service-kaghtzi4
&<common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "8ef5ccb0-4207-468b-bb07-a03e6a772caf"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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

Error Code	Description
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.ApiListNotEmpty	
UnsupportedOperation.ExistingOnlineEnvironment	
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.TagsNotEmpty	
UnsupportedOperation.UnpackError	
UnsupportedOperation.UnsupportedDeleteService	This service is being used and cannot be deleted.
UnsupportedOperation.UsagePlanInUse	The current plan is in use. Please unbind it and try again.

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DescribeService

Last updated：2024-04-08 15:10:59

1. API Description

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

This API is used to query the details of a service, such as its description, domain name, protocol, creation time, and releases.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeService.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be queried.

3. Output Parameters

Parameter Name	Type	Description
ServiceId	String	Unique service ID.
AvailableEnvironments	Array of	Service environment list.

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	String	
ServiceName	String	Service name.
ServiceDesc	String	Service description. Note: this field may return null, indicating that no valid values can be obtained.
Protocol	String	Protocol supported by service. Valid values: http, https, http&https.
CreatedTime	Timestamp ISO8601	Service creation time.
ModifiedTime	Timestamp ISO8601	Service modification time.
ExclusiveSetName	String	Dedicated cluster name.
NetTypes	Array of String	Network type list. INNER: private network access; OUTER: public network access.
InternalSubDomain	String	Subdomain name for private network access.
OuterSubDomain	String	Subdomain name for public network access.
InnerHttpPort	Integer	Service port number for HTTP access over private network.
InnerHttpsPort	Integer	Port number for HTTPS access over private network.
ApiTotalCount	Integer	Total number of APIs.
ApiIdStatusSet	Array of ApiIdStatus	API list. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanTotalCount	Integer	Total number of usage plans.
UsagePlanList	Array of UsagePlan	Usage plan array. Note: this field may return null, indicating that no valid values can be obtained.
IpVersion	String	IP version. Note: this field may return null, indicating that no valid values can be obtained.
UserType	String	Service user type. Note: this field may return null, indicating that no valid values can be obtained.

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SetId	Integer	Reserved field. Note: this field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Tags bound to a service. Note: this field may return null, indicating that no valid values found.
InstanceId	String	Dedicated instance ID Note: this field may return null, indicating that no valid values can be obtained.
InstanceName	String	Dedicated instance name Note: this field may return null, indicating that no valid values can be obtained.
SetType	String	Cluster type Note: this field may return null, indicating that no valid values can be obtained.
DeploymentType	String	Cluster type for service deployment Note: this field may return null, indicating that no valid values found.
SpecialUse	String	Whether the service if for special usage. Valid values: `DEFAULT` (general usage), `HTTP_DNS` . Note: This field may return `NULL` , indicating that no valid value was found.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 service details

•

Input Example

```
POST / HTTP/1.1
Host: apigateway.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeService
<Common Request Parameters>
```

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```
{
"ServiceId": "service-rypiqi13"
}
```

Output Example

```
{
"Response": {
"ServiceDesc": "sesrxx",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"SetId": 1,
"InnerHttpsPort": 0,
"InnerHttpPort": 0,
"Tags": [
{
"Value": "test",
"Key": "test"
}
],
"NetTypes": [
"OUTER"
],
"IpVersion": "",
"UserType": "",
"UsagePlanList": [
{
"MaxRequestNumPreSec": 0,
"UsagePlanId": "",
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"UsagePlanDesc": "test",
"Environment": "test",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"UsagePlanName": "sdfafxx"
}
],
"OuterSubDomain": "domain.com",
"UsagePlanTotalCount": 0,
"SetType": "",
"ApiIdStatusSet": [
{
"AuthType": "",
"Protocol": "",
"UniqVpcId": "",
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"OauthConfig": {
```

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```
"PublicKey": "",
"LoginRedirectUrl": "",
"TokenLocation": ""
},
"ApiId": "",
"AuthRelationApiId": "",
"ApiDesc": "",
"ApiType": "",
"ApiBusinessType": "",
"ServiceId": "",
"ApiName": "",
"Path": "",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"RelationBuniessApiIds": [
""
],
"IsDebugAfterCharge": false,
"Method": "",
"TokenLocation": ""
}
],
"ServiceName": "",
"RequestId": "",
"InstanceName": "",
"Protocol": "",
"ApiTotalCount": 1,
"ModifiedTime": "2020-09-22T00:00:00+00:00",
"ExclusiveSetName": "",
"DeploymentType": "DEFAULT",
"SpecialUse": "DEFAULT",
"InstanceId": "",
"AvailableEnvironments": [
"release"
],
"ServiceId": "",
"InternalSubDomain": ""
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
FailedOperation.CamException	
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError	Internal error.
InternalError.CamException	
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ReturnableException	
InvalidParameter.FormatError	Incorrect parameter format.

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InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnsupportedOperation.RequestPostError	
UnsupportedOperation.UnpackError	

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DescribeServiceEnvironmentList

Last updated：2024-04-08 15:10:58

1. API Description

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

This API is used to query the list of environments under a service. All environments and their statuses under the queried service will be returned.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeServiceEnvironmentList.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be queried.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

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Parameter Name	Type	Description
Result	ServiceEnvironmentSet	Details of environments bound to service. 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 DescribeServiceEnvironmentList

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceEnvironmentList
&ServiceId=service-ody35h5e
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 3,
"EnvironmentList": [
{
"EnvironmentName": "test",
"Url": "service-ody35h5e-1251006373.cq.apigw.tencentcs.com/test",
"Status": 1,
"VersionName": "202002161926124aa59df4-7198-4f7a-acc7-887ab7ee0215"
},
{
"EnvironmentName": "prepub",
"Url": "service-ody35h5e-1251006373.cq.apigw.tencentcs.com/prepub",
"Status": 0,
"VersionName": ""
},
{
"EnvironmentName": "release",
```

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```
"Url": "service-ody35h5e-1251006373.cq.apigw.tencentcs.com/release",
"Status": 0,
"VersionName": ""
}
]
},
"RequestId": "86bacb87-47ca-4295-b1e1-280956f2803b"
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeServiceEnvironmentReleaseHistory

Last updated：2024-04-08 15:10:58

1. API Description

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

This API is used to query the release history in a service environment.
A service can only be used when it is published to an environment after creation. This API is used to query the release history in an environment under a 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	Common Params. The value used for this API: DescribeServiceEnvironmentReleaseHistory.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be queried.
EnvironmentName	Yes	String	Environment name.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

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3. Output Parameters

Parameter Name	Type	Description
Result	ServiceReleaseHistory	Service release history. 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 DescribeServiceEnvironmentReleaseHistory

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceEnvironmentReleaseHistory
&ServiceId=service-ody35h5e
&EnvironmentName=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 5,
"VersionList": [
{
"VersionName": "202002140201231eee121d-058a-4c0c-a2b1-bc25325d42d5",
"VersionDesc": "xxx",
"ReleaseTime": "2020-02-13T18:01:23Z"
},
{
"VersionName": "20200214020300d0eab0c5-e124-4705-bc61-81545361cc0d",
"VersionDesc": "xxx",
"ReleaseTime": "2020-02-13T18:03:00Z"
},
```

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```
{
"VersionName": "202002140204057f8dbac2-1b0e-4ce5-975e-f1d82618e008",
"VersionDesc": "xxx",
"ReleaseTime": "2020-02-13T18:04:05Z"
},
{
"VersionName": "20200214020506aac44ade-6657-4c7f-b15a-59fa1e4252e7",
"VersionDesc": "xxx",
"ReleaseTime": "2020-02-13T18:05:06Z"
},
{
"VersionName": "202002161926124aa59df4-7198-4f7a-acc7-887ab7ee0215",
"VersionDesc": "xx",
"ReleaseTime": "2020-02-16T11:26:12Z"
}
]
},
"RequestId": "837fb8ce-6bdd-4765-95fb-0a37e2a99abb"
}
}
```


5. Developer Resources

SDK

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6. Error Code

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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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeServiceReleaseVersion

Last updated：2024-04-08 15:10:57

1. API Description

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

This API is used to query the list of all published versions under a service.
A service is generally published on several versions. This API can be used to query the published versions.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeServiceReleaseVersion.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be queried.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

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Parameter Name	Type	Description
Result	ServiceReleaseVersion	Service release version 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 DescribeServiceReleaseVersion

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceReleaseVersion
&ServiceId=service-ody35h5e
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 5,
"VersionList": [
{
"VersionName": "202002140201231eee121d-058a-4c0c-a2b1-bc25325d42d5",
"VersionDesc": "xxx"
},
{
"VersionName": "20200214020300d0eab0c5-e124-4705-bc61-81545361cc0d",
"VersionDesc": "xxx"
},
{
"VersionName": "202002140204057f8dbac2-1b0e-4ce5-975e-f1d82618e008",
"VersionDesc": "xxx"
},
{
"VersionName": "20200214020506aac44ade-6657-4c7f-b15a-59fa1e4252e7",
```

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```
"VersionDesc": "xxx"
},
{
"VersionName": "202002161926124aa59df4-7198-4f7a-acc7-887ab7ee0215",
"VersionDesc": "xx"
}
]
},
"RequestId": "4d712ae3-9fb7-467b-a3aa-eaa17ada621c"
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.

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InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeServiceUsagePlan

Last updated：2024-04-08 15:10:56

1. API Description

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

This API is used to query the details of usage plans in a service.
To make authentication and throttling for a service take effect, you need to bind a usage plan to it. This API is used to query all usage plans bound to a 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	Common Params. The value used for this API: DescribeServiceUsagePlan.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be queried.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

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3. Output Parameters

Parameter Name	Type	Description
Result	ServiceUsagePlanSet	List of usage plans bound to service. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of usage plans bound to the service

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceUsagePlan
&ServiceId=service-ody35h5e
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ServiceUsagePlanList": [
{
"ServiceId": "service-ody35h5e",
"ServiceName": null,
"ApiId": null,
"ApiName": null,
"Path": null,
"Method": null,
"UsagePlanId": "usagePlan-quqxvett",
"UsagePlanName": "aaa",
"UsagePlanDesc": "xby",
"Environment": "test",
"InUseRequestNum": 0,
```

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```
"MaxRequestNum": -1,
"MaxRequestNumPreSec": null,
"CreatedTime": "2020-02-17T11:26:42Z",
"ModifiedTime": "2020-02-17T13:47:47Z"
}
]
},
"RequestId": "72a0c27b-694c-4450-8ee8-bcfb840b9017"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.

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ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeServicesStatus

Last updated：2024-04-08 15:10:56

1. API Description

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

This API is used to query the list of one or more services and return relevant domain name, time, and other information.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeServicesStatus.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. Valid values: `ServiceId` , `ServiceName` , `NotUsagePlanId` , `Environment` , `IpVersion` , `InstanceId` , `NetType` , `EIAMAppId` .

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3. Output Parameters

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

4. Example

Example1 Querying service list

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServicesStatus
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 1,
"ServiceSet": [
{
"ServiceId": "service-hrxy5qsm",
"ServiceName": "ddd",
"ServiceDesc": "",
"Protocol": "http",
"OuterSubDomain": "service-hrxy5qsm-1259027407.gz.apigw.tencentcs.com",
"InnerSubDomain": "",
"InnerHttpPort": 0,
"InnerHttpsPort": 0,
"CreatedTime": "2020-03-25T15:24:17Z",
"ModifiedTime": "2020-03-25T15:24:18Z",
"NetTypes": [
"OUTER"
],
"IpVersion": "IPv4",
```

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```
"ExclusiveSetName": "",
"AvailableEnvironments": [
"release"
],
"TradeIsolateStatus": 0
}
]
},
"RequestId": "7100a7b7-30ed-43c8-8d53-081afb6ecd8b"
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	`DryRun` Operation. It means that the request

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	would have succeeded, but the `DryRun` parameter was used.
FailedOperation	Operation failed.
FailedOperation.CamException	
InternalError	Internal error.
InternalError.CamException	
InternalError.DbException	
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter	Incorrect parameter.
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
InvalidParameterValue.InvalidRegion	Incorrect region.
InvalidParameterValue.InvalidTagValues	Incorrect tag parameters
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.RequestPostError	

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ModifyService

Last updated：2024-04-08 15:10:55

1. API Description

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

This API is used to modify the relevant information of a service. After a service is created, its name, description, and service type can be modified.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyService.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be modified.
ServiceName	No	String	Service name after modification.
ServiceDesc	No	String	Service description after modification.
Protocol	No	String	Service frontend request type after modification, such as `http`, `https`, and `http&https`.
NetTypes.N	No	Array of	Network type list, which is used to specify the supported network types. INNER: private network access; OUTER: public network

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		String	access. Default value: OUTER.

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 service

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyService
&ServiceId=service-0c96l2bo
&ServiceName=test_https
&ServiceDesc=https
&Protocol=https
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "e3705d00-bfe0-4fde-942c-cebd6b12431b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnsupportedOperation.ModifyNetType	The network type cannot be modified
UnsupportedOperation.ReduceNetTypes	Network types cannot be reduced.
UnsupportedOperation.UnpackError	

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ReleaseService

Last updated：2024-04-08 15:10:54

1. API Description

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

This API is used to publish a service.
An API Gateway service can only be called when it is published to an environment and takes effect after creation. This API is used to publish a service to an environment such as the `release` environment.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReleaseService.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be published.
EnvironmentName	Yes	String	Name of the environment to be published. Valid values: test (test environment), prepub (pre-release environment), release (release environment).
ReleaseDesc	Yes	String	Release description.
ApiIds.N	No	Array of	`apiId` list, which is reserved. Full API release is used by default.

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		String	

3. Output Parameters

Parameter Name	Type	Description
Result	ReleaseService	Release 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 ReleaseService

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ReleaseService
&ServiceId=service-ody35h5e
&EnvironmentName=prepub
&ReleaseDesc=xx
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"ReleaseDesc": "xx",
"ReleaseVersion": "2020022502411672fae6e9-9726-4caa-8867-6366cd3f1ba5"
},
"RequestId": "c5b4711b-8044-43eb-97cc-e755c5df1420"
}
}
```

5. Developer Resources

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SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
FailedOperation.TaskAlreadyExist	
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
LimitExceeded.RequestLimitExceeded	The request frequency has reached the limit. Please try again later.
ResourceNotFound	The resource does not exist.

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ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation.UnpackError	

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UnReleaseService

Last updated：2024-04-08 15:10:54

1. API Description

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

This API is used to deactivate a service.
Only after a service is published to an environment can its APIs be called. You can call this API to deactivate a service in the release environment. Once deactivated, the service cannot be called.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnReleaseService.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be deactivated.
EnvironmentName	Yes	String	Name of the environment to be deactivated. Valid values: test (test environment), prepub (pre-release environment), release (release environment).
ApiIds.N	No	Array of String	List of APIs to be deactivated, which is a reserved field.

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3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether deactivation succeeded. 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 UnReleaseService

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UnReleaseService
&ServiceId=service-ody35h5e
&EnvironmentName=prepub
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "42aafae4-3023-4211-a10a-109163118bb0"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
LimitExceeded.RequestLimitExceeded	The request frequency has reached the limit. Please try again later.
ResourceNotFound	The resource does not exist.
ResourceNotFound.InvalidService	The corresponding service is invisible.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation.UnpackError	

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UpdateService

Last updated：2024-07-08 11:02:50

1. API Description

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

This API is used to switch the running version of a service published in an environment to a specified version. After you create a service by using API Gateway and publish it to an environment, multiple versions will be generated during development. In this case, you can call this API to switch versions.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UpdateService.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique ID of the service to be switch.
EnvironmentName	Yes	String	Name of the environment to be switched to. Valid values: test (test environment), prepub (pre-release environment), release (release environment).
VersionName	Yes	String	Number of the version to be switched to.
UpdateDesc	No	String	Switch description.

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3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the version is successfully switched. 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 UpdateService

This API is used to switch the running version of a service published in an environment to a specified version. After you create a service by using API Gateway and publish it to an environment, multiple versions will be generated during development. In this case, you can call this API to switch versions.

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=UpdateService
&ServiceId=service-ody35h5e
&EnvironmentName=test
&VersionName=202002161926124aa59df4-7198-4f7a-acc7-887ab7ee0215
&UpdateDesc=test
&<Common Request Parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

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SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.

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Throttling Policy APIs
DescribeApiEnvironmentStrategy

Last updated：2024-04-08 15:10:52

1. API Description

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

This API is used to display the throttling policies bound to an API.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeApiEnvironmentStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID of API.
EnvironmentNames.N	No	Array of String	Environment list.
ApiId	No	String	Unique API ID.
Limit	No	Integer	Number of results to be returned. Default value: 20.

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			Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description
Result	ApiEnvironmentStrategyStataus	Details of policies bound to API 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 DescribeApiEnvironmentStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeApiEnvironmentStrategy
&ServiceId=service-ody35h5e
&EnvironmentNames.0=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 12,
"ApiEnvironmentStrategySet": [
{
"ApiId": "api-ne9wyb30",
"ApiName": "hadongtestapi_ed3f0c",
"Path": "/pathtest03",
"Method": "GET",
```

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```
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-k3ezsaoi",
"ApiName": "name",
"Path": "/lkjdszfhbgv",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-04h0i7z0",
"ApiName": "name",
"Path": "/lkjhbgv",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-qsmlelcu",
"ApiName": "name",
"Path": "/cfgvbhjgfdn",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-g0wgjcz8",
"ApiName": "name",
"Path": "/ghkjhbhvb",
```


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```
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-c6d2x8fk",
"ApiName": "name",
"Path": "/testxxx",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-gsd5bks6",
"ApiName": "name",
"Path": "/tsf",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-jmh3naag",
"ApiName": "name",
"Path": "/mytest",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-7kcivknq",
"ApiName": "name",
```


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```
"Path": "/bsdbsddd",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-4beu85p0",
"ApiName": "name",
"Path": "/xxxxxx",
"Method": "GET",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-qctp0evy",
"ApiName": "name",
"Path": "/",
"Method": "GET",
"EnvironmentStrategySet": []
},
{
"ApiId": "api-e92i2jds",
"ApiName": "test2",
"Path": "/users",
"Method": "POST",
"EnvironmentStrategySet": [
{
"EnvironmentName": "test",
"Quota": -1
}
]
},
{
"ApiId": "api-3v4tzy3u",
"ApiName": "test1",
"Path": "/users/{name}",
"Method": "GET",
"EnvironmentStrategySet": [
{
```


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```
"EnvironmentName": "test",
"Quota": -1
}
]
}
]
},
"RequestId": "6b191d6c-dbdd-4214-b464-b7385ff01e15"
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRegion	Incorrect region.
ResourceNotFound.InvalidApi	

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	Incorrect `ApiId` .
ResourceNotFound.InvalidService	The corresponding service is invisible.

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DescribeServiceEnvironmentStrategy

Last updated：2024-04-08 15:10:52

1. API Description

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

This API is used to display a service throttling policy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeServiceEnvironmentStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
Limit	No	Integer	Number of results to be returned. Default value: 20. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

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Parameter Name	Type	Description
Result	ServiceEnvironmentStrategyStatus	Throttling policy 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 DescribeServiceEnvironmentStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=DescribeServiceEnvironmentStrategy
&ServiceId=service-ody35h5e
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"TotalCount": 3,
"EnvironmentList": [
{
"EnvironmentName": "prepub",
"Url": "service-ody35h5e-1251006373.cq.apigw.tencentcs.com/prepub",
"Status": 0,
"Strategy": 5000,
"VersionName": ""
},
{
"EnvironmentName": "test",
"Url": "service-ody35h5e-1251006373.cq.apigw.tencentcs.com/test",
"Status": 1,
"Strategy": 30,
"VersionName": "202002161926124aa59df4-7198-4f7a-acc7-887ab7ee0215"
},
{
```

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```
"EnvironmentName": "release",
"Url": "service-ody35h5e-1251006373.cq.apigw.tencentcs.com/release",
"Status": 0,
"VersionName": "",
"Strategy": 5000
}
]
},
"RequestId": "0d660a03-92b1-4062-aa04-aee837818ba5"
}
}
```


5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
InvalidParameter.FormatError	Incorrect parameter format.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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ModifyApiEnvironmentStrategy

Last updated：2024-04-08 15:10:51

1. API Description

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

This API is used to modify an API throttling policy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyApiEnvironmentStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
Strategy	Yes	Integer	Throttling value.
EnvironmentName	Yes	String	Environment name.
ApiIds.N	Yes	Array of String	API list.

3. Output Parameters

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Parameter Name	Type	Description
Result	Boolean	Whether modification succeeded. 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 ModifyApiEnvironmentStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyApiEnvironmentStrategy
&EnvironmentName=test
&ServiceId=service-ody35h5e
&Strategy=3
&ApiIds.0=api-e92i2jds
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.InvalidRequestParameters	Invalid request parameter.
InvalidParameterValue.LimitExceeded	The number of parameters has reached the limit (100).
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .

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ModifyServiceEnvironmentStrategy

Last updated：2024-04-08 15:10:51

1. API Description

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

This API is used to modify a service throttling policy.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyServiceEnvironmentStrategy.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	No	String	Common Params. This parameter is not required for this API.
ServiceId	Yes	String	Unique service ID.
Strategy	Yes	Integer	Throttling value.
EnvironmentNames.N	Yes	Array of String	Environment list.

3. Output Parameters

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Parameter Name	Type	Description
Result	Boolean	Whether modification succeeded. 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 ModifyServiceEnvironmentStrategy

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=ModifyServiceEnvironmentStrategy
&EnvironmentNames.0=test
&ServiceId=service-ody35h5e
&Strategy=3
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "7787aa0e-be74-43c0-b6f6-7bf56995ce2d"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameterValue.InvalidRegion	Incorrect region.
InvalidParameterValue.InvalidRequestParameters	Invalid request parameter.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
ResourceNotFound.InvalidService	The corresponding service is invisible.

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Documentation and SDK APIs GenerateApiDocument

Last updated：2022-10-12 15:59:08

1. API Description

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

This API is used to automatically generate API documents and SDKs. One document and one SDK will be generated for each environment under each service, respectively.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: GenerateApiDocument.
Version	Yes	String	Common Params. The value used for this API: 2018-08-08.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceId	Yes	String	Unique service ID of the document to be created.
GenEnvironment	Yes	String	Environment of the service for which to create an SDK.
GenLanguage	Yes	String	Programming language of the SDK to be created. Currently, only Python and JavaScript are supported.

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3. Output Parameters

Parameter Name	Type	Description
Result	DocumentSDK	API document and SDK link.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Downloading SDK and API documentation

Input Example

```
https://apigateway.tencentcloudapi.com/?Action=GenerateApiDocument
&ServiceId=service-ody35h5e
&GenEnvironment=release
&GenLanguage=Python
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Result": {
"DocumentURL": "https://apigateway-document-sdk-xxxxx",
"SdkURL": "https://apigateway-document-sdk-xxxxx"
},
"RequestId": "01c56ec2-6a40-46bc-bdf6-8b273d4bec93"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation.GenerateApiDocumentError	Failed to generate the API documentation.
FailedOperation.ServiceNotExist	The service does not exist.
InvalidParameterValue.InvalidGenLanguage	The `GenLanguage` parameter value is incorrect.
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.

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Data Types

Last updated：2024-07-01 10:17:53

APIDoc

Basic information of API document

Used by actions: CreateAPIDoc, DescribeAPIDocs, ModifyAPIDoc, ResetAPIDocPassword.

Name	Type	Description
ApiDocId	String	API document ID
ApiDocName	String	API document name
ApiDocStatus	String	API document build status

APIDocInfo

API document details

Used by actions: DescribeAPIDocDetail.

Name	Type	Description
ApiDocId	String	API document ID
ApiDocName	String	API document name
ApiDocStatus	String	API document build status
ApiCount	Integer	Number of APIs with API documents
ViewCount	Integer	Number of views of API document
ReleaseCount	Integer	Number of releases of API document
ApiDocUri	String	API document access URI
SharePassword	String	API document password for sharing
UpdatedTime	Timestamp	API document update time

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ServiceId	String	Service ID
Environment	String	Environment information
ApiIds	Array of String	ID of the API for which to generate the API document
ServiceName	String	Service name
ApiNames	Array of String	Name of the API for which to generate the API document

APIDocs

API document list

Used by actions: DescribeAPIDocs.

Name	Type	Description
TotalCount	Integer	Number of API documents
APIDocSet	Array of APIDoc	Basic information of API document

ApiAppApiInfo

Information of the API bound to the application

Used by actions: DescribeApiAppBindApisStatus, DescribeApiBindApiAppsStatus.

Name	Type	Description
ApiAppName	String	Application name Note: this field may return null, indicating that no valid values can be obtained.
ApiAppId	String	Application ID
ApiId	String	API ID Note: this field may return null, indicating that no valid values can be obtained.
ApiName	String	API name Note: this field may return null, indicating that no valid values can be obtained.

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ServiceId	String	Service ID Note: this field may return null, indicating that no valid values can be obtained.
AuthorizedTime	Timestamp ISO8601	Binding authorization time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ApiRegion	String	API region Note: this field may return null, indicating that no valid values can be obtained.
EnvironmentName	String	Authorized binding environment Note: this field may return null, indicating that no valid values can be obtained.

ApiAppApiInfos

Application information set

Used by actions: DescribeApiAppBindApisStatus, DescribeApiBindApiAppsStatus.

Name	Type	Description
TotalCount	Integer	Quantity
ApiAppApiSet	Array of ApiAppApiInfo	Information array of the API bound to the application Note: this field may return null, indicating that no valid values can be obtained.

ApiAppInfo

Application information

Used by actions: CreateApiApp, DescribeApiApp, DescribeApiAppsStatus.

Name	Type	Description
ApiAppName	String	Application name Note: this field may return null, indicating that no valid values can be obtained.

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ApiAppId	String	Application ID
ApiAppSecret	String	Application SECRET Note: this field may return null, indicating that no valid values can be obtained.
ApiAppDesc	String	Application description Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Modification time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ApiAppKey	String	Application KEY Note: this field may return null, indicating that no valid values can be obtained.

ApiAppInfos

Application information set

Used by actions: DescribeApiApp, DescribeApiAppsStatus.

Name	Type	Description
TotalCount	Integer	Number of applications
ApiAppSet	Array of ApiAppInfo	Application information array Note: this field may return null, indicating that no valid values can be obtained.

ApiEnvironmentStrategy

API environment binding policy

Used by actions: DescribeApiEnvironmentStrategy.

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Name	Type	Description
ApiId	String	Unique API ID.
ApiName	String	Custom API name.
Path	String	API path, such as `/path` .
Method	String	API method, such as `GET` .
EnvironmentStrategySet	Array of EnvironmentStrategy	Environment throttling information.

ApiEnvironmentStrategyStataus

List of policies bound to API

Used by actions: DescribeApiEnvironmentStrategy.

Name	Type	Description
TotalCount	Integer	Number of throttling policies bound to API. Note: this field may return null, indicating that no valid values can be obtained.
ApiEnvironmentStrategySet	Array of ApiEnvironmentStrategy	List of throttling policies bound to API. Note: this field may return null, indicating that no valid values can be obtained.

ApiIdStatus

API status

Used by actions: DescribeService, DescribeServiceForApiApp.

Name	Type	Description
ServiceId	String	Unique service ID.
ApiId	String	Unique API ID.
ApiDesc	String	API description Note: This field may return null, indicating that no valid values can be obtained.

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Path	String	API path.
Method	String	API method.
CreatedTime	Timestamp ISO8601	Service creation time.
ModifiedTime	Timestamp ISO8601	Service modification time.
ApiName	String	API name. Note: this field may return null, indicating that no valid values can be obtained.
UniqVpcId	String	Unique VPC ID. Note: this field may return null, indicating that no valid values can be obtained.
ApiType	String	API type. Note: this field may return null, indicating that no valid values can be obtained.
Protocol	String	API protocol. Note: this field may return null, indicating that no valid values can be obtained.
IsDebugAfterCharge	Boolean	Whether to enable debugging after purchase. Note: this field may return null, indicating that no valid values can be obtained.
AuthType	String	Authorization type. Note: this field may return null, indicating that no valid values can be obtained.
ApiBusinessType	String	API business type. Note: this field may return null, indicating that no valid values can be obtained.
AuthRelationApiId	String	Unique ID of associated authorization API. Note: this field may return null, indicating that no valid values can be obtained.
OauthConfig	OauthConfig	OAuth configuration information. Note: this field may return null, indicating that no valid values can be obtained.
TokenLocation	String	Token storage position, which is an OAuth 2.0 API request. Note: this field may return null, indicating that no valid values can

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		be obtained.

ApiInfo

API information

Used by actions: DescribeApi, DescribeApiForApiApp.

Name	Type	Description
ServiceId	String	Unique service ID of API. Note: this field may return null, indicating that no valid values can be obtained.
ServiceName	String	Service name of API. Note: this field may return null, indicating that no valid values can be obtained.
ServiceDesc	String	Service description of API. Note: this field may return null, indicating that no valid values can be obtained.
ApiId	String	Unique API ID. Note: this field may return null, indicating that no valid values can be obtained.
ApiDesc	String	API description. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601

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		standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ApiName	String	API name. Note: this field may return null, indicating that no valid values can be obtained.
ApiType	String	API type. Valid values: NORMAL (general API), TSF (microservice API). Note: this field may return null, indicating that no valid values can be obtained.
Protocol	String	API frontend request type, such as HTTP, HTTPS, or HTTP and HTTPS. Note: this field may return null, indicating that no valid values can be obtained.
AuthType	String	API authentication type. Valid values: SECRET (key pair authentication), NONE (no authentication), OAUTH.

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		Note: this field may return null, indicating that no valid values can be obtained.
ApiBusinessType	String	OAuth API type. Valid values: NORMAL (business API), OAUTH (authorization API). Note: this field may return null, indicating that no valid values can be obtained.
AuthRelationApiId	String	Unique ID of the authorization API associated with OAuth business API. Note: this field may return null, indicating that no valid values can be obtained.
OauthConfig	OauthConfig	OAuth configuration. Note: this field may return null, indicating that no valid values can be obtained.
IsDebugAfterCharge	Boolean	Whether to enable debugging after purchase (reserved field for the marketplace). Note: this field may return null, indicating that no valid values can be obtained.
RequestConfig	RequestConfig	Request frontend configuration. Note: this field may return null, indicating that no valid values can be obtained.
ResponseType	String	Return type.

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		Note: this field may return null, indicating that no valid values can be obtained.
ResponseSuccessExample	String	Sample response for successful custom response configuration. Note: this field may return null, indicating that no valid values can be obtained.
ResponseFailExample	String	Sample response for failed custom response configuration. Note: this field may return null, indicating that no valid values can be obtained.
ResponseErrorCodes	Array of ErrorCodes	Custom error code configuration. Note: this field may return null, indicating that no valid values can be obtained.
RequestParameters	Array of ReqParameter	Frontend request parameter. Note: this field may return null, indicating that no valid values can be obtained.
ServiceTimeout	Integer	API backend service timeout period in seconds. Note: this field may return null, indicating that no valid values can be obtained.
ServiceType	String	API backend service type. Valid values: HTTP, MOCK, TSF, CLB, SCF,

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		WEBSOCKET, TARGET (in beta test). Note: this field may return null, indicating that no valid values can be obtained.
ServiceConfig	ServiceConfig	API backend service configuration. Note: this field may return null, indicating that no valid values can be obtained.
ServiceParameters	Array of ServiceParameter	API backend service parameter. Note: this field may return null, indicating that no valid values can be obtained.
ConstantParameters	Array of ConstantParameter	Constant parameter. Note: this field may return null, indicating that no valid values can be obtained.
ServiceMockReturnMessage	String	Returned message of API backend Mock, which is required if `ServiceType` is `Mock`. Note: this field may return null, indicating that no valid values can be obtained.
ServiceScfFunctionName	String	SCF function name, which takes effect if the backend type is `SCF`. Note: this field may return null, indicating that no valid values can be obtained.
ServiceScfFunctionNamespace	String	SCF function namespace,

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		which takes effect if the backend type is `SCF` . Note: this field may return null, indicating that no valid values can be obtained.
ServiceScfFunctionQualifier	String	SCF function version, which takes effect if the backend type is `SCF` . Note: this field may return null, indicating that no valid values can be obtained.
ServiceScfIsIntegratedResponse	Boolean	Whether integrated response is enabled. Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketRegisterFunctionName	String	SCF WebSocket registration function namespace, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF` Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketRegisterFunctionNamespace	String	SCF WebSocket registration function namespace, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF` . Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketRegisterFunctionQualifier	String	SCF WebSocket transfer function version, which

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		takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF` . Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketCleanupFunctionName	String	SCF WebSocket cleanup function, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF` . Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketCleanupFunctionNamespace	String	SCF WebSocket cleanup function namespace, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF` . Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketCleanupFunctionQualifier	String	SCF WebSocket cleanup function version, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF` . Note: this field may return null, indicating that no valid values can be obtained.
InternalDomain	String	WebSocket callback address. Note: this field may return null, indicating that no

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		valid values can be obtained.
ServiceWebsocketTransportFunctionName	String	SCF WebSocket transfer function, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF`. Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketTransportFunctionNamespace	String	SCF WebSocket transfer function namespace, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF`. Note: this field may return null, indicating that no valid values can be obtained.
ServiceWebsocketTransportFunctionQualifier	String	SCF WebSocket transfer function version, which takes effect if the frontend type is `WEBSOCKET` and the backend type is `SCF`. Note: this field may return null, indicating that no valid values can be obtained.
MicroServices	Array of MicroService	List of microservices bound to API. Note: this field may return null, indicating that no valid values can be obtained.
MicroServicesInfo	Array of Integer	Microservice details. Note: this field may return null, indicating that no

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		valid values can be obtained.
ServiceTsfLoadBalanceConf	TsfLoadBalanceConfResp	Load balancing configuration of microservice. Note: this field may return null, indicating that no valid values can be obtained.
ServiceTsfHealthCheckConf	HealthCheckConf	Health check configuration of microservice. Note: this field may return null, indicating that no valid values can be obtained.
EnableCORS	Boolean	Whether to enable CORS. Note: this field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Information of tags bound to API. Note: this field may return null, indicating that no valid values can be obtained.
Environments	Array of String	Environment information published for API. Note: this field may return null, indicating that no valid values can be obtained.
IsBase64Encoded	Boolean	Whether to enable Base64 encoding. This parameter takes effect only when the backend is SCF. Note: This field may

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		return `null` , indicating that no valid values can be obtained.
IsBase64Trigger	Boolean	Whether to trigger Base64 encoding by header. This parameter takes effect only when the backend is SCF. Note: This field may return `null` , indicating that no valid values can be obtained.
Base64EncodedTriggerRules	Array of Base64EncodedTriggerRule	Header trigger rules. The number of rules cannot exceed 10. Note: This field may return `null` , indicating that no valid values can be obtained.

ApiInfoSummary

Information of the APIs that can use this plugin

Used by actions: DescribeAllPluginApis.

Name	Type	Description
TotalCount	Integer	Total number of APIs that can use this plugin
ApiSet	Array of AvailableApiInfo	Information of the APIs that can use this plugin

ApiKey

Key details

Used by actions: CreateApiKey, DescribeApiKey, DescribeApiKeysStatus, UpdateApiKey.

Name	Type	Description
AccessKeyId	String	Created API key ID.

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AccessKeySecret	String	Created API key.
AccessKeyType	String	Key type. Valid values: auto, manual.
SecretName	String	Custom key name.
ModifiedTime	Timestamp ISO8601	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used.
Status	Integer	Key status. 0: disabled. 1: enabled.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used.

ApiKeysStatus

Key list

Used by actions: DescribeApiKeysStatus.

Name	Type	Description
TotalCount	Integer	Number of eligible API keys. Note: this field may return null, indicating that no valid values can be obtained.
ApiKeySet	Array of ApiKey	API key list. Note: this field may return null, indicating that no valid values can be obtained.

ApiRequestConfig

API request configuration

Used by actions: CreateApi.

Name	Type	Required	Description
Path	String	Yes	path
Method	String	Yes	Method

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ApiUsagePlan

Details of usage plans bound to API or service

Used by actions: DescribeApiUsagePlan, DescribeServiceUsagePlan.

Name	Type	Description
ServiceId	String	Unique service ID. Note: this field may return null, indicating that no valid values can be obtained.
ApiId	String	Unique API ID. Note: this field may return null, indicating that no valid values can be obtained.
ApiName	String	API name. Note: this field may return null, indicating that no valid values can be obtained.
Path	String	API path. Note: this field may return null, indicating that no valid values can be obtained.
Method	String	API method. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanId	String	Unique usage plan ID. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanName	String	Usage plan name. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanDesc	String	Usage plan description. Note: this field may return null, indicating that no valid values can be obtained.
Environment	String	Service environment bound to usage plan. Note: this field may return null, indicating that no valid values can be obtained.
InUseRequestNum	Integer	Used quota. Note: this field may return null, indicating that no valid values can be obtained.

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MaxRequestNum	Integer	Total number of requests allowed. `-1` indicates no limit. Note: this field may return null, indicating that no valid values can be obtained.
MaxRequestNumPreSec	Integer	Request QPS upper limit. `-1` indicates no limit. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Usage plan creation time. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Last modified time of usage plan. Note: this field may return null, indicating that no valid values can be obtained.
ServiceName	String	Service name. Note: this field may return null, indicating that no valid values can be obtained.

ApiUsagePlanSet

List of usage plans bound to API

Used by actions: DescribeApiUsagePlan.

Name	Type	Description
TotalCount	Integer	Total number of usage plans bound to API. Note: this field may return null, indicating that no valid values can be obtained.
ApiUsagePlanList	Array of ApiUsagePlan	List of usage plans bound to API. Note: this field may return null, indicating that no valid values can be obtained.

ApisStatus

API list status description

Used by actions: DescribeApisStatus.

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Name	Type	Description
TotalCount	Integer	Number of eligible APIs.
ApiIdStatusSet	Array of DesApisStatus	API list.

AttachedApiInfo

Information of the API bound with the plugin

Used by actions: CreatePlugin, DescribePlugin, DescribePluginApis.

Name	Type	Description
ServiceId	String	ID of the service to which the API belongs
ServiceName	String	Name of the service to which the API belongs
ServiceDesc	String	Description of the service to which the API belongs Note: this field may return null, indicating that no valid values can be obtained.
ApiId	String	API ID
ApiName	String	API name
ApiDesc	String	API description Note: this field may return null, indicating that no valid values can be obtained.
Environment	String	Environment of the API bound with the plugin
AttachedTime	Timestamp ISO8601	Time when the plugin was bound to the API

AttachedApiSummary

List of APIs bound with the plugin

Used by actions: DescribePluginApis.

Name	Type	Description
TotalCount	Integer	Number of APIs bound with the plugin

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AttachedApis	Array of AttachedApiInfo	Information of the API bound with the plugin

AttachedPluginInfo

Information of bound plug-ins

Used by actions: DescribePluginsByApi.

Name	Type	Description
PluginId	String	Plugin ID
Environment	String	Environment information
AttachedTime	String	Binding time
PluginName	String	Plugin name
PluginType	String	Plugin type
Description	String	Plugin description
PluginData	String	Plugin definition statement

AttachedPluginSummary

Information of bound plug-ins

Used by actions: DescribePluginsByApi.

Name	Type	Description
TotalCount	Integer	Total number of bound plug-ins
PluginSummary	Array of AttachedPluginInfo	Information of bound plug-ins

AvailableApiInfo

Information of the APIs that can use this plugin

Used by actions: DescribeAllPluginApis.

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Name	Type	Description
ApiId	String	API ID
ApiName	String	API name
ApiType	String	API type
Path	String	API path
Method	String	API method
AttachedOtherPlugin	Boolean	Whether the API is bound with another plugin Note: this field may return null, indicating that no valid values can be obtained.
IsAttached	Boolean	Whether the API is bound with the current plugin Note: this field may return null, indicating that no valid values can be obtained.

Base64EncodedTriggerRule

Header trigger rule for Base64 encoding.

Used by actions: DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
Name	String	Yes	Header for triggering encoding. Valid values are `Accept` and `Content_Type`, corresponding to the `Accept` and `Content-Type` headers in the data stream request, respectively.
Value	Array of String	Yes	Array of header values that can trigger the encoding. Each element in the array can be up to 40 characters, including digits, letters, and special characters (`.` , `+` , `*` , `-` , `/` , and `_`). For example, ["application/x-vpeg005", "application/xhtml+xml", "application/vnd.ms-project", "application/vnd.rn-rn_music_package"] are valid.

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BindApiInfo

Information of the API bound with the upstream

Used by actions: DescribeUpstreamBindApis.

Name	Type	Description
ApiId	String	Unique API ID.
ServiceId	String	Unique ID of the service
ApiName	String	API name Note: This field may return `null` , indicating that no valid value was found.
ServiceName	String	Service name Note: This field may return `null` , indicating that no valid value was found.
BindTime	Timestamp ISO8601	Bound At

ConstantParameter

Constant parameter

Used by actions: CreateApi, DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
Name	String	No	Constant parameter name This is only applicable when `ServiceType` is `HTTP` . Note: this field may return null, indicating that no valid values can be obtained.
Desc	String	No	Constant parameter description This is only applicable when `ServiceType` is `HTTP` . Note: this field may return null, indicating that no valid values can be obtained.
Position	String	No	Constant paramter location This is only applicable when `ServiceType` is `HTTP` .

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			Note: this field may return null, indicating that no valid values can be obtained.
DefaultValue	String	No	Default value of the constant parameter This is only applicable when `ServiceType` is `HTTP` . Note: This field may return null, indicating that no valid values can be obtained.

CosConfig

COS-type API configuration

Used by actions: CreateApi, DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
Action	String	Yes	Specifies how the backend COS bucket is called by the API. The frontend request method and Action can be: GET：GetObject PUT：PutObject POST：PostObject、AppendObject HEAD： HeadObject DELETE： DeleteObject Note: this field may return `null` , indicating that no valid values can be obtained.
BucketName	String	Yes	Backend COS bucket of the API Note: this field may return `null` , indicating that no valid values can be obtained.
Authorization	Boolean	No	Whether to enable the backend COS signature for the API. It defaults to `false` . Note: this field may return `null` , indicating that no valid values can be obtained.
PathMatchMode	String	No	The path matching mode of the backend COS service `BackEndPath` : Match the backend path `FullPath` : Match the full path Default: `BackEndPath` Note: This field may return `null` , indicating that no valid values can be obtained.

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CreateApiRsp

Return of API creation

Used by actions: CreateApi, ImportOpenApi.

Name	Type	Description
ApiId	String	API ID Note: this field may return null, indicating that no valid values can be obtained.
Path	String	Path Note: This field may return `null` , indicating that no valid values can be obtained.
Method	String	Request method Note: This field may return `null` , indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time Note: this field may return null, indicating that no valid values can be obtained.
Status	String	Status of the import task Note: This field may return `null` , indicating that no valid values can be obtained.
ErrMsg	String	Details of the error Note: This field may return `null` , indicating that no valid values can be obtained.
ApiName	String	API name Note: This field may return `null` , indicating that no valid values can be obtained.

CreateApiRspSet

Information of the APIs created

Used by actions: ImportOpenApi.

Name	Type	Description

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TotalCount	Integer	Total number of APIs
ApiSet	Array of CreateApiRsp	Information of created APIs

DesApisStatus

API status details

Used by actions: CreateIPStrategy, DescribeApisStatus, DescribeIPStrategy.

Name	Type	Description
ServiceId	String	Unique service ID.
ApiId	String	Unique API ID.
ApiDesc	String	Custom API description. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ApiName	String	API name. Note: this field may return null, indicating that no valid values can be obtained.
VpcId	Integer	VPC ID. Note: this field may return null, indicating that no valid values can be obtained.
UniqVpcId	String	Unique VPC ID. Note: this field may return null, indicating that no valid values can be obtained.
ApiType	String	API type. Valid values: NORMAL (general API), TSF (microservice API). Note: this field may return null, indicating that no valid values can be obtained.

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Protocol	String	API protocol. Note: this field may return null, indicating that no valid values can be obtained.
IsDebugAfterCharge	Boolean	Whether to enable debugging after purchase (reserved field for the marketplace) Note: this field may return null, indicating that no valid values can be obtained.
AuthType	String	API authentication type. Valid values: `SECRET` (key pair authentication), `NONE` (no authentication), `OAUTH` , and `EIAM` Note: this field may return `null` , indicating that no valid values can be obtained.
ApiBusinessType	String	OAuth API type, which is valid if `AuthType` is `OAUTH` . Valid values: NORMAL (business API), OAUTH (authorization API). Note: this field may return null, indicating that no valid values can be obtained.
AuthRelationApiId	String	Unique ID of associated authorization API, which takes effect only if `AuthType` is `OAUTH` and `ApiBusinessType` is `NORMAL` . It is the unique ID of the OAuth 2.0 authorization API bound to the business API. Note: this field may return null, indicating that no valid values can be obtained.
OauthConfig	OauthConfig	OAuth configuration information, which takes effect if `AuthType` is `OAUTH` . Note: this field may return null, indicating that no valid values can be obtained.
RelationBuniessApiIds	Array of String	List of business APIs associated with authorization API. Note: this field may return null, indicating that no valid values can be obtained.
Tags	Array of String	Information of tags associated with API. Note: this field may return null, indicating that no valid values can be obtained.
Path	String	API path, such as `/path` . Note: this field may return null, indicating that no valid values can be obtained.
Method	String	API request method, such as `GET` . Note: this field may return null, indicating that no valid values can be

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		obtained.

DescribeUpstreamBindApis

Queries APIs bound with an upstream

Used by actions: DescribeUpstreamBindApis.

Name	Type	Description
TotalCount	Integer	Total number
BindApiSet	Array of BindApiInfo	Information of bound APIs

DescribeUpstreamInfo

The returned result of upstream query

Used by actions: DescribeUpstreams.

Name	Type	Description
TotalCount	Integer	Total number of results
UpstreamSet	Array of UpstreamInfo	List of query result

DomainSetList

Custom service domain name list

Used by actions: DescribeServiceSubDomains.

Name	Type	Description
DomainName	String	Domain name.
Status	Integer	Domain name resolution status. `1` : normal, `0` : failed
CertificateId	String	Certificate ID.
IsDefaultMapping	Boolean	Whether the default path mapping is used.

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Protocol	String	Custom domain name protocol type.
NetType	String	Network type. Valid values: INNER, OUTER.
IsForcedHttps	Boolean	Whether to force HTTP requests to redirect to HTTPS. Default value: `false` . When this parameter is `true` , API Gateway will redirect all requests using the custom domain name over the HTTP protocol to the HTTPS protocol for forwarding.
RegistrationStatus	Boolean	ICP filing status

DomainSets

Custom service domain name information

Used by actions: DescribeServiceSubDomains.

Name	Type	Description
TotalCount	Integer	Number of custom domain names under service
DomainSet	Array of DomainSetList	Custom service domain name list.

Environment

Information of service release environment.

Used by actions: DescribeServiceEnvironmentList.

Name	Type	Description
EnvironmentName	String	Environment name.
Url	String	Access path.
Status	Integer	Release status. 1: published. 0: not published.
VersionName	String	Running version.

EnvironmentStrategy

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Environment throttling

Used by actions: DescribeApiEnvironmentStrategy.

Name	Type	Description
EnvironmentName	String	Environment name
Quota	Integer	Throttling value
MaxQuota	Integer	Maximum quota value Note: this field may return null, indicating that no valid values can be obtained.

ErrorCodes

Custom error code

Used by actions: DescribeApi, DescribeApiForApiApp.

Name	Type	Required	Description
Code	Integer	No	Custom response configuration error code. Note: this field may return null, indicating that no valid values can be obtained.
Msg	String	No	Custom response configuration error message. Note: this field may return null, indicating that no valid values can be obtained.
Desc	String	No	Custom response configuration error code remarks. Note: this field may return null, indicating that no valid values can be obtained.
ConvertedCode	Integer	No	Custom error code conversion. Note: this field may return null, indicating that no valid values can be obtained.
NeedConvert	Boolean	No	Whether to enable error code conversion. Note: this field may return null, indicating that no valid values can be obtained.

Filter

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Key-value pair filter for conditional filtering queries, such as filtering ID, name, status, etc.

- If there are multiple `Filter`, the relationship among them is logical `AND`.
- If there are multiple `Values` in the same `Filter`, the relationship among them is logical `OR`.

Used by actions: DescribeApiAppBindApisStatus, DescribeApiAppsStatus, DescribeApiBindApiAppsStatus, DescribeApiKeysStatus, DescribeApisStatus, DescribeIPStrategy, DescribeIPStrategyApisStatus, DescribeIPStrategysStatus, DescribeLogSearch, DescribeServicesStatus, DescribeUpstreamBindApis, DescribeUpstreams, DescribeUsagePlansStatus.

Name	Type	Required	Description
Name	String	Yes	Field to be filtered.
Values	Array of String	Yes	Filter value of field.

HealthCheckConf

Health check configuration, including `TsfHealthCheckConf` and `TargetServicesHealthCheckConf`

Used by actions: CreateApi, DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
IsHealthCheck	Boolean	No	Whether health check is enabled. Note: This field may return null, indicating that no valid values can be obtained.
RequestVolumeThreshold	Integer	No	Health check threshold. Note: This field may return null, indicating that no valid values can be obtained.
SleepWindowInMilliseconds	Integer	No	Window size. Note: This field may return null, indicating that no valid values can be obtained.
ErrorThresholdPercentage	Integer	No	Threshold percentage. Note: This field may return null, indicating that no valid values can be obtained.

IPStrategy

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IP policy

Used by actions: CreateIPStrategy, DescribeIPStrategy, DescribeIPStrategysStatus.

Name	Type	Description
StrategyId	String	Unique policy ID. Note: this field may return null, indicating that no valid values can be obtained.
StrategyName	String	Custom policy name. Note: this field may return null, indicating that no valid values can be obtained.
StrategyType	String	Policy type. Valid values: WHITE (allowlist), BLACK (blocklist). Note: this field may return null, indicating that no valid values can be obtained.
StrategyData	String	IP list. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Modification time Note: this field may return null, indicating that no valid values can be obtained.
ServiceId	String	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
BindApiTotalCount	Integer	Number of APIs bound to policy. Note: this field may return null, indicating that no valid values can be obtained.
BindApis	Array of DesApisStatus	Bound API details. Note: this field may return null, indicating that no valid values can be obtained.

IPStrategyApi

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List of APIs bound to policy

Used by actions: DescribeIPStrategyApisStatus.

Name	Type	Description
ApiId	String	Unique API ID.
ApiName	String	Custom API name.
ApiType	String	API type. Valid values: NORMAL (general API), TSF (microservice API).
Path	String	API path, such as `/path` .
Method	String	API request method, such as `GET` .
OtherIPStrategyId	String	Unique ID of another policy bound to API.
OtherEnvironmentName	String	Environment bound to API.

IPStrategyApiStatus

Details of API bound to IP policy

Used by actions: DescribeIPStrategyApisStatus.

Name	Type	Description
TotalCount	Integer	Number of APIs bound to environment. Note: this field may return null, indicating that no valid values can be obtained.
ApiIdStatusSet	Array of IPStrategyApi	Details of APIs bound to environment. Note: this field may return null, indicating that no valid values can be obtained.

IPStrategysStatus

Policy list

Used by actions: DescribeIPStrategysStatus.

Name	Type	Description

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TotalCount	Integer	Number of policies. Note: this field may return null, indicating that no valid values can be obtained.
StrategySet	Array of IPStrategy	Policy list. Note: this field may return null, indicating that no valid values can be obtained.

K8sLabel

K8s Label

Used by actions: CreateUpstream, ModifyUpstream.

Name	Type	Required	Description
Key	String	Yes	Key of the label
Value	String	Yes	Value of the label

K8sService

Configuration of K8s service

Used by actions: CreateUpstream, DescribeUpstreams, ModifyUpstream.

Name	Type	Required	Description
Weight	Integer	Yes	Weight
ClusterId	String	Yes	K8s cluster ID
Namespace	String	Yes	Namespace of the container
ServiceName	String	Yes	Name of the service
Port	Integer	Yes	Service port
ExtraLabels	Array of K8sLabel	Yes	The additional Label of the Pod
Name	String	No	(Optional) Custom name of the service

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LogQuery

Search criterion input parameter

Used by actions: DescribeLogSearch.

Name	Type	Required	Description
Name	String	Yes	Search field
Operator	String	Yes	Operator
Value	String	Yes	Search value

MicroService

Information of microservice bound to API.

Used by actions: DescribeApi, DescribeApiForApiApp.

Name	Type	Required	Description
ClusterId	String	No	Microservice cluster ID.
NamespaceId	String	No	Microservice namespace ID.
MicroServiceName	String	No	Microservice name.

MicroServiceReq

TSF type input parameters

Used by actions: CreateApi, ModifyApi.

Name	Type	Required	Description
ClusterId	String	Yes	Microservice cluster.
NamespaceId	String	Yes	Microservice namespace.
MicroServiceName	String	Yes	Microservice name.

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OauthConfig

OAuth authorization configuration information

Used by actions: CreateApi, CreateIPStrategy, DescribeApi, DescribeApiForApiApp, DescribeApisStatus, DescribeIPStrategy, DescribeService, DescribeServiceForApiApp, ModifyApi.

Name	Type	Required	Description
PublicKey	String	Yes	Public key for user token verification.
TokenLocation	String	Yes	Token delivery location.
LoginRedirectUrl	String	No	Redirect address, which is used to guide user logins.

PathMapping

Custom domain name path mapping.

Used by actions: BindSubDomain, DescribeServiceSubDomainMappings, ModifySubDomain.

Name	Type	Required	Description
Path	String	Yes	Path.
Environment	String	Yes	Release environment. Valid values: test, prepub, release.

Plugin

Details of the API Gateway plugin

Used by actions: CreatePlugin, DescribePlugin.

Name	Type	Description
PluginId	String	Plugin ID
PluginName	String	Plugin name
PluginType	String	Plugin type
PluginData	String	Plugin definition statement

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Description	String	Plugin description Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Plugin creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used.
ModifiedTime	Timestamp ISO8601	Plugin modification time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used
AttachedApiTotalCount	Integer	Total number of APIs bound with the plugin Note: this field may return null, indicating that no valid values can be obtained.
AttachedApis	Array of AttachedApiInfo	Information of the API bound with the plugin Note: this field may return null, indicating that no valid values can be obtained.

ReleaseService

Returned result of service publishing

Used by actions: ReleaseService.

Name	Type	Description
ReleaseDesc	String	Release remarks. Note: this field may return null, indicating that no valid values can be obtained.
ReleaseVersion	String	Published version ID. Note: this field may return null, indicating that no valid values can be obtained.

ReqParameter

Request parameter

Used by actions: DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
Name	String	Yes	API frontend parameter name.

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Position	String	Yes	Position of the API frontend parameter, such as the header. Supported values: `header` , `query` , and `path` .
Type	String	Yes	API frontend parameter type, such as `String` and `int` .
DefaultValue	String	Yes	Default value of API frontend parameter.
Required	Boolean	Yes	Whether the API frontend parameter is required. True: yes; False: no.
Desc	String	Yes	API frontend parameter remarks.

RequestConfig

Frontend path configuration

Used by actions: DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
Path	String	Yes	API path, such as `/path` .
Method	String	Yes	API request method, such as `GET` .

RequestParameter

Request parameter

Used by actions: CreateApi.

Name	Type	Required	Description
Name	String	No	Request parameter name
Desc	String	No	Description
Position	String	No	Parameter position
Type	String	No	Parameter type
DefaultValue	String	No	Default value
Required	Boolean	No	Whether it is required

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ResponseErrorCodeReq

Error code input parameter

Used by actions: CreateApi, ModifyApi.

Name	Type	Required	Description
Code	Integer	Yes	Custom response configuration error code.
Msg	String	Yes	Custom response configuration error message.
Desc	String	Yes	Custom response configuration error code remarks.
ConvertedCode	Integer	Yes	Custom error code conversion.
NeedConvert	Boolean	Yes	Whether to enable error code conversion.

Service

Service list display

Used by actions: DescribeServicesStatus.

Name	Type	Description
InnerHttpsPort	Integer	Port for HTTPS access over private network. Note: this field may return null, indicating that no valid values can be obtained.
ServiceDesc	String	Custom service description. Note: this field may return null, indicating that no valid values can be obtained.
Protocol	String	Service frontend request type, such as `http` , `https` , and `http&https` . Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
NetTypes	Array of	Network types supported by service.

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	String	Note: this field may return null, indicating that no valid values can be obtained.
ExclusiveSetName	String	Dedicated cluster name. Note: this field may return null, indicating that no valid values can be obtained.
ServiceId	String	Unique service ID. Note: this field may return null, indicating that no valid values can be obtained.
IpVersion	String	IP version. Note: this field may return null, indicating that no valid values can be obtained.
AvailableEnvironments	Array of String	List of published environments, such as test, prepub, and release. Note: this field may return null, indicating that no valid values can be obtained.
ServiceName	String	Custom service name. Note: this field may return null, indicating that no valid values can be obtained.
OuterSubDomain	String	Public domain name assigned by the system for this service. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
InnerHttpPort	Integer	Port for HTTP access over private network. Note: this field may return null, indicating that no valid values can be obtained.
InnerSubDomain	String	Private domain name automatically assigned by the system for this service. Note: this field may return null, indicating that no valid values can be obtained.
TradeIsolateStatus	Integer	Billing status of service. Note: this field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Tags bound to a service. Note: this field may return null, indicating that no valid values found.

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InstanceId	String	Dedicated instance Note: this field may return null, indicating that no valid values can be obtained.
SetType	String	Cluster type Note: this field may return null, indicating that no valid values can be obtained.
DeploymentType	String	Cluster type for service deployment Note: this field may return null, indicating that no valid values found.

ServiceConfig

ServiceConfig information

Used by actions: CreateApi, DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
Product	String	No	The backend type. It's available when `vpc` is enabled. Values: `clb` , `cvm` and `upstream` .
UniqVpcId	String	No	Unique VPC ID.
Url	String	No	API backend service URL, which is required if `ServiceType` is `HTTP` .
Path	String	No	API backend service path, such as `/path` , which is required if `ServiceType` is `HTTP` . The frontend and backend paths can be different.
Method	String	No	API backend service request method, such as `GET` , which is required if `ServiceType` is `HTTP` . The frontend and backend methods can be different
UpstreamId	String	No	It's required for `upstream` . Note: This field may return `NULL` , indicating that no valid value was found.
CosConfig	CosConfig	No	API backend COS configuration. It's required if the `ServiceType` is · `COS` . Note: this field may return `null` , indicating that no valid values can be obtained.

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ServiceEnvironmentSet

Details of environments bound to service

Used by actions: DescribeServiceEnvironmentList.

Name	Type	Description
TotalCount	Integer	Total number of environments bound to service. Note: this field may return null, indicating that no valid values can be obtained.
EnvironmentList	Array of Environment	List of environments bound to service. Note: this field may return null, indicating that no valid values can be obtained.

ServiceEnvironmentStrategy

Service environment policy

Used by actions: DescribeServiceEnvironmentStrategy.

Name	Type	Description
EnvironmentName	String	Environment name.
Url	String	Access service environment URL.
Status	Integer	Release status.
VersionName	String	Published version number. Note: this field may return null, indicating that no valid values can be obtained.
Strategy	Integer	Throttling value.
MaxStrategy	Integer	Maximum quota value Note: this field may return null, indicating that no valid values can be obtained.

ServiceEnvironmentStrategyStatus

List of policies bound to environment

Used by actions: DescribeServiceEnvironmentStrategy.

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Name	Type	Description
TotalCount	Integer	Number of throttling policies. Note: this field may return null, indicating that no valid values can be obtained.
EnvironmentList	Array of ServiceEnvironmentStrategy	Throttling policy list. Note: this field may return null, indicating that no valid values can be obtained.

ServiceParameter

ServiceParameter

Used by actions: CreateApi, DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
Name	String	No	API backend service parameter name, which is used only if `ServiceType` is `HTTP`. The frontend and backend parameter names can be different. Note: this field may return null, indicating that no valid values can be obtained.
Position	String	No	Position of API backend service parameter, such as `head`, which is used only if `ServiceType` is `HTTP`. The positions of frontend and backend parameters can be different. Note: this field may return null, indicating that no valid values can be obtained.
RelevantRequestParameterPosition	String	No	Position of the API frontend parameter corresponding to the backend service parameter, such as `head`, which is used only if `ServiceType` is `HTTP`. Note: this field may return null, indicating that no valid values can be obtained.
RelevantRequestParameterName	String	No	Name of the API frontend parameter corresponding to the backend service parameter, which is used only if `ServiceType` is `HTTP`.

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			Note: this field may return null, indicating that no valid values can be obtained.
DefaultValue	String	No	Default value of API backend service parameter, which is used only if `ServiceType` is `HTTP`. Note: this field may return null, indicating that no valid values can be obtained.
RelevantRequestParameterDesc	String	No	API backend service parameter remarks, which is used only if `ServiceType` is `HTTP`. Note: this field may return null, indicating that no valid values can be obtained.
RelevantRequestParameterType	String	No	API backend service parameter type, which is used only if `ServiceType` is `HTTP`. Note: this field may return null, indicating that no valid values can be obtained.

ServiceReleaseHistory

Service release history

Used by actions: DescribeServiceEnvironmentReleaseHistory.

Name	Type	Description
TotalCount	Integer	Total number of published versions. Note: this field may return null, indicating that no valid values can be obtained.
VersionList	Array of ServiceReleaseHistoryInfo	Historical version list. Note: this field may return null, indicating that no valid values can be obtained.

ServiceReleaseHistoryInfo

Service release list details

Used by actions: DescribeServiceEnvironmentReleaseHistory, DescribeServiceReleaseVersion.

Name	Type	Description

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VersionName	String	Version ID. Note: this field may return null, indicating that no valid values can be obtained.
VersionDesc	String	Version description. Note: this field may return null, indicating that no valid values can be obtained.
ReleaseTime	String	Version release time. Note: this field may return null, indicating that no valid values can be obtained.

ServiceReleaseVersion

Service release version

Used by actions: DescribeServiceReleaseVersion.

Name	Type	Description
TotalCount	Integer	Total number of published versions. Note: this field may return null, indicating that no valid values can be obtained.
VersionList	Array of ServiceReleaseHistoryInfo	Release version list. Note: this field may return null, indicating that no valid values can be obtained.

ServiceSubDomainMappings

Custom service domain name path mapping

Used by actions: DescribeServiceSubDomainMappings.

Name	Type	Description
IsDefaultMapping	Boolean	Whether the default path mapping is used. true: use the default path mapping; false: use the custom path mapping (`PathMappingSet` is required in this case).
PathMappingSet	Array of PathMapping	Custom path mapping list.

ServiceUsagePlanSet

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List of usage plans bound to service

Used by actions: DescribeServiceUsagePlan.

Name	Type	Description
TotalCount	Integer	Total number of usage plans bound to service. Note: this field may return null, indicating that no valid values can be obtained.
ServiceUsagePlanList	Array of ApiUsagePlan	List of usage plans bound to service. Note: this field may return null, indicating that no valid values can be obtained.

ServicesStatus

Service list display

Used by actions: DescribeServicesStatus.

Name	Type	Description
TotalCount	Integer	Total number of services in list. Note: this field may return null, indicating that no valid values can be obtained.
ServiceSet	Array of Service	Service list details. Note: this field may return null, indicating that no valid values can be obtained.

Tag

Information of tag bound to API.

Used by actions: CreatePlugin, CreateService, CreateUpstream, DescribeApi, DescribeApiForApiApp, DescribeService, DescribeServiceForApiApp, DescribeServicesStatus, DescribeUpstreams, ModifyApi, ModifyUpstream.

Name	Type	Required	Description
Key	String	Yes	Tag key
Value	String	Yes	Tag value

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TargetServicesReq

TSF Serverless input parameters

Used by actions: CreateApi.

Name	Type	Required	Description
VmIp	String	Yes	VM IP
VpcId	String	Yes	VPC ID
VmPort	Integer	Yes	VM Port
HostIp	String	Yes	IP of the host where the CVM instance resides
DockerIp	String	No	Docker IP

TsfLoadBalanceConfResp

`TsfLoadBalanceConf` output parameter usage

Used by actions: CreateApi, DescribeApi, DescribeApiForApiApp, ModifyApi.

Name	Type	Required	Description
IsLoadBalance	Boolean	No	Whether load balancing is enabled. Note: this field may return null, indicating that no valid values can be obtained.
Method	String	No	Load balancing method. Note: this field may return null, indicating that no valid values can be obtained.
SessionStickRequired	Boolean	No	Whether session persistence is enabled. Note: this field may return null, indicating that no valid values can be obtained.
SessionStickTimeout	Integer	No	Session persistence timeout period. Note: this field may return null, indicating that no valid values can be obtained.

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UpstreamHealthChecker

Upstream health check parameter configuration

Used by actions: CreateUpstream, DescribeUpstreams, ModifyUpstream.

Name	Type	Required	Description
EnableActiveCheck	Boolean	Yes	Specifies whether to enable active health check
EnablePassiveCheck	Boolean	Yes	Specifies whether the enable passive health check
HealthyHttpStatus	String	Yes	The HTTP status code that indicates that the upstream is healthy
UnhealthyHttpStatus	String	Yes	The HTTP status code that indicates that the upstream is unhealthy
TcpFailureThreshold	Integer	Yes	The threshold on consecutive TCP errors. Range: [0, 254]. `0` indicates not to check TCP.
TimeoutThreshold	Integer	Yes	The threshold on consecutive timeouts. Range: [0, 254]. `0` indicates not to check TCP.
HttpFailureThreshold	Integer	Yes	The threshold on consecutive HTTP errors. Range: [0, 254]. `0` indicates not to check HTTP.
ActiveCheckHttpPath	String	No	The path for active health check. It defaults to `/` .
ActiveCheckTimeout	Integer	No	The timeout period for active health check in seconds. Default: `5` .
ActiveCheckInterval	Integer	No	The interval for active health check in seconds. Default: `5` .

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ActiveRequestHeader	Array of UpstreamHealthCheckerReqHeaders	No	Header of the active health check request
UnhealthyTimeout	Integer	No	The period for an abnormal to recover automatically in seconds. If only the passive health check is enabled, it must be greater than 0. Otherwise the abnormal nodes can not recovered automatically. The default value is 30 seconds.

UpstreamHealthCheckerReqHeaders

The request header configuration of active upstream health check requests

Used by actions: CreateUpstream, ModifyUpstream.

Name	Type	Required	Description

UpstreamInfo

Upstream details

Used by actions: DescribeUpstreams, ModifyUpstream.

Name	Type	Description
UpstreamId	String	Unique upstream ID
UpstreamName	String	Upstream name
UpstreamDescription	String	Upstream description
Scheme	String	Backend protocol. Valid values: `HTTP` , `HTTPS`
Algorithm	String	Load balancing algorithm. Valid value: `ROUND_ROBIN`
UniqVpcId	String	Unique VPC ID
Retries	Integer	Number of retry attempts
Nodes	Array of UpstreamNode	Backend nodes

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CreatedTime	Timestamp ISO8601	Creation time.
Tags	Array of Tag	Label Note: This field may return `null` , indicating that no valid value was found.
HealthChecker	UpstreamHealthChecker	Health check configuration Note: This field may return `null` , indicating that no valid value was found.
UpstreamType	String	Upstream type. Valid values: `IP_PORT` , `K8S`
K8sServices	Array of K8sService	Configuration of TKE service Note: This field may return `NULL` , indicating that no valid value was found.
UpstreamHost	String	The Host header that the gateway forwards to the upstream Note: This field may return `NULL` , indicating that no valid value was found.

UpstreamNode

Upstream node metadata

Used by actions: CreateUpstream, DescribeUpstreams, ModifyUpstream.

Name	Type	Required	Description
Host	String	Yes	IP or domain name
Port	Integer	Yes	The port number. Range: [0, 65535]
Weight	Integer	Yes	Value range: [0, 100]. `0` refers to disable it.
VmInstanceId	String	No	CVM Instance ID Note: This field may return `NULL` , indicating that no valid value was found.
Tags	Array of String	No	Tag Note: This field may return `null` , indicating that no valid value was found.
Healthy	String	No	Health status of the node. Values: `OFF` , `HEALTHY` ,

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			`UNHEALTHY` and `NO_DATA` . It's not required for creating and editing actions. It only supports VPC upstreams. Note: This field may return `NULL` , indicating that no valid value was found.
ServiceName	String	No	TKE container name Note: This field may return `NULL` , indicating that no valid value was found.
NameSpace	String	No	TKE namespace Note: This field may return `NULL` , indicating that no valid value was found.
ClusterId	String	No	ID of the TKE cluster Note: This field may return `null` , indicating that no valid value was found.
Source	String	No	Node source. Valid value: `K8S` Note: This field may return `NULL` , indicating that no valid value was found.
UniqueServiceName	String	No	The unique service name in API Gateway Note: This field may return `null` , indicating that no valid value was found.

UsagePlan

`usagePlan` details

Used by actions: DescribeService, DescribeServiceForApiApp.

Name	Type	Description
Environment	String	Environment name.
UsagePlanId	String	Unique usage plan ID.
UsagePlanName	String	Usage plan name.
UsagePlanDesc	String	Usage plan description. Note: This field may return null, indicating that no valid values can be obtained.
MaxRequestNumPreSec	Integer	Usage plan QPS. `-1` indicates no limit.

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CreatedTime	Timestamp ISO8601	Usage plan time.
ModifiedTime	Timestamp ISO8601	Usage plan modification time.

UsagePlanBindEnvironment

Information of environment bound to usage plan

Used by actions: CreateUsagePlan, DescribeUsagePlan, ModifyUsagePlan.

Name	Type	Description
EnvironmentName	String	Environment name. Note: this field may return null, indicating that no valid values can be obtained.
ServiceId	String	Unique service ID. Note: this field may return null, indicating that no valid values can be obtained.

UsagePlanBindSecret

Key bound to usage plan

Used by actions: DescribeUsagePlanSecretIds.

Name	Type	Description
AccessKeyId	String	Key ID. Note: this field may return null, indicating that no valid values can be obtained.
SecretName	String	Key name. Note: this field may return null, indicating that no valid values can be obtained.
Status	Integer	Key status. 0: disabled. 1: enabled. Note: this field may return null, indicating that no valid values can be obtained.

UsagePlanBindSecretStatus

List of keys bound to usage plan.

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Used by actions: DescribeUsagePlanSecretIds.

Name	Type	Description
TotalCount	Integer	Number of keys bound to usage plan. Note: this field may return null, indicating that no valid values can be obtained.
AccessKeyList	Array of UsagePlanBindSecret	List of key details. Note: this field may return null, indicating that no valid values can be obtained.

UsagePlanEnvironment

Details of environments bound to usage plan.

Used by actions: DescribeUsagePlanEnvironments.

Name	Type	Description
ServiceId	String	Unique ID of bound service. Note: this field may return null, indicating that no valid values can be obtained.
ApiId	String	Unique API ID. Note: this field may return null, indicating that no valid values can be obtained.
ApiName	String	API name. Note: this field may return null, indicating that no valid values can be obtained.
Path	String	API path. Note: this field may return null, indicating that no valid values can be obtained.
Method	String	API method. Note: this field may return null, indicating that no valid values can be obtained.
Environment	String	Name of bound environment. Note: this field may return null, indicating that no valid values can be obtained.
InUseRequestNum	Integer	Used quota.

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		Note: this field may return null, indicating that no valid values can be obtained.
MaxRequestNum	Integer	Maximum number of requests. Note: this field may return null, indicating that no valid values can be obtained.
MaxRequestNumPreSec	Integer	Maximum number of requests per second. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ServiceName	String	Service name. Note: this field may return null, indicating that no valid values can be obtained.

UsagePlanEnvironmentStatus

List of environments bound to usage plan.

Used by actions: DescribeUsagePlanEnvironments.

Name	Type	Description
TotalCount	Integer	Number of environments of the service bound to usage plan. Note: this field may return null, indicating that no valid values can be obtained.
EnvironmentList	Array of UsagePlanEnvironment	Environment status of services bound to usage plan. Note: this field may return null, indicating that no valid values can be obtained.

UsagePlanInfo

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Usage plan details.

Used by actions: CreateUsagePlan, DescribeUsagePlan, ModifyUsagePlan.

Name	Type	Description
UsagePlanId	String	Unique usage plan ID. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanName	String	Usage plan name. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanDesc	String	Usage plan description. Note: this field may return null, indicating that no valid values can be obtained.
InitQuota	Integer	Number of initialization calls. Note: this field may return null, indicating that no valid values can be obtained.
MaxRequestNumPreSec	Integer	Limit of requests per second. Note: this field may return null, indicating that no valid values can be obtained.
MaxRequestNum	Integer	Maximum number of calls. Note: this field may return null, indicating that no valid values can be obtained.
IsHide	Integer	Whether to hide. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.
BindSecretIdTotalCount	Integer	Number of bound keys.

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		Note: this field may return null, indicating that no valid values can be obtained.
BindSecretIds	Array of String	Details of bound keys. Note: this field may return null, indicating that no valid values can be obtained.
BindEnvironmentTotalCount	Integer	Number of bound environments. Note: this field may return null, indicating that no valid values can be obtained.
BindEnvironments	Array of UsagePlanBindEnvironment	Details of bound environments. Note: this field may return null, indicating that no valid values can be obtained.

UsagePlanStatusInfo

Usage plan list display.

Used by actions: DescribeUsagePlansStatus.

Name	Type	Description
UsagePlanId	String	Unique usage plan ID. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanName	String	Custom usage plan name. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanDesc	String	Custom usage plan description. Note: this field may return null, indicating that no valid values can be obtained.
MaxRequestNumPreSec	Integer	Maximum number of requests per second. Note: this field may return null, indicating that no valid values can be obtained.
MaxRequestNum	Integer	Total number of requests allowed. `-1` indicates no limit. Note: this field may return null, indicating that no valid values can be obtained.
CreatedTime	Timestamp ISO8601	Creation time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used.

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		Note: this field may return null, indicating that no valid values can be obtained.
ModifiedTime	Timestamp ISO8601	Last modified time in the format of YYYY-MM-DDThh:mm:ssZ according to ISO 8601 standard. UTC time is used. Note: this field may return null, indicating that no valid values can be obtained.

UsagePlansStatus

Usage plan list

Used by actions: DescribeUsagePlansStatus.

Name	Type	Description
TotalCount	Integer	Number of eligible usage plans. Note: this field may return null, indicating that no valid values can be obtained.
UsagePlanStatusSet	Array of UsagePlanStatusInfo	Usage plan list. Note: this field may return null, indicating that no valid values can be obtained.

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Error Codes

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Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

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

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	`Authorization` in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

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	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

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	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AuthFailure	Error with CAM signature/authentication.
FailedOperation.AccessKeyExist	The custom key already exists.
FailedOperation.ApiBindEnvironmen	This API has been bound with a usage plan.
FailedOperation.ApiBindEnvironment	The APIs have already been bound to a usage plan. Please unbind them and try again.
FailedOperation.ApiError	API error.
FailedOperation.ApiInOperation	The API is being manipulated. Please try again later.
FailedOperation.BackendDomainError	
FailedOperation.CamException	

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FailedOperation.CertificateIdBindError	An error occurred while binding a certificate.
FailedOperation.CertificateIdEnterpriseWaitSubmit	The certificate is an enterprise certificate and waiting to be submitted.
FailedOperation.CertificateIdError	The certificate does not exist or you do not have permission to view it. Please upload a valid certificate in the SSL Certificates Service Console.
FailedOperation.CertificateIdExpired	The certificate has expired. Please upload a valid one.
FailedOperation.CertificateIdInfoError	The certificate information is empty. Please submit a ticket for assistance.
FailedOperation.CertificateIdUnderVerify	The certificate is under review. Please upload a valid one.
FailedOperation.CertificateIdUnknownError	The certificate is in an unknown status. Please submit a ticket to check its specific status.
FailedOperation.CertificateIdVerifyFail	The certificate has been rejected. Please upload a valid one.
FailedOperation.CertificateIsNull	The Apis certificate is empty. Please upload a certificate.
FailedOperation.CodingError	API document operation failed.
FailedOperation.DefineMappingEnvironmentError	The Apis environment configuration is incorrect.
FailedOperation.DefineMappingNotNull	The Apis custom path mapping cannot be empty.
FailedOperation.DefineMappingParamRepeat	The Apis parameters are repeated.
FailedOperation.DefineMappingPathError	The Apis custom path configuration is incorrect.
FailedOperation.DeletePathMappingSetError	An error occurred while deleting the custom domain name.
FailedOperation.DescribeServiceSubDomainsError	The custom domain name of the service is incorrect.
FailedOperation.DomainAlreadyBindOtherService	The domain name has been bound to another service.
FailedOperation.DomainAlreadyBindService	The domain name has already been bound to

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	this service.
FailedOperation.DomainInBlackList	Unable to connect: the current domain name is not compliant.
FailedOperation.DomainNeedBeian	The domain name does not have an ICP filing through Tencent Cloud. Please get the ICP filing before binding the domain name.
FailedOperation.DomainNotBindService	Failed to unbind the custom domain name, as the domain name is not bound to the service.
FailedOperation.DomainResolveError	The domain name is not configured with a CNAME record resolving to the default domain name, or the resolution has not taken effect yet.
FailedOperation.EIAMError	Error form EIAM
FailedOperation.EbError	Failed to bind/unbind EventBridge.
FailedOperation.FormatError	The domain name format is incorrect.
FailedOperation.GetRoleError	Failed to get the role. Please make sure that relevant API Gateway service APIs have been authorized.
FailedOperation.InstanceNotExist	The instance does not exist or is invalid.
FailedOperation.InvalidInputJSON	
FailedOperation.IsDefaultMapping	The Apis custom path conflicts with the default path.
FailedOperation.NetSubDomainError	The entered default second-level domain name is incorrect.
FailedOperation.OperateUpstream	Backend error
FailedOperation.PathMappingSetError	An error occurred while setting the path mapping.
FailedOperation.ScfError	Failed to bind/unbind SCF trigger.
FailedOperation.ServiceError	Service error.
FailedOperation.ServiceInOperation	The service is in use. Please try again later.
FailedOperation.ServiceNotExist	The service does not exist.

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FailedOperation.SetCustomPathMappingError	The custom domain name already uses the default path mapping, so no custom path can be set.
FailedOperation.SubDomainFormatError	The custom domain name format is incorrect.
FailedOperation.TagBindServiceError	The tag was not bound to the specified service.
FailedOperation.TaskAlreadyExist	
FailedOperation.UnknownProtocolTypeError	The protocol type is incorrect.
InternalError.ApigwException	API Gateway internal request error. Please try again later. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.CamException	
InternalError.CauthException	CAuth internal request error. Please try again later. If the problem persists, please submit a ticket.
InternalError.ClbException	CLB internal request error. Please try again. If the problem persists, please submit a ticket.
InternalError.DbException	
InternalError.OssException	OSS internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.ReturnableException	
InternalError.ScfException	SCF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.TsfException	TSF internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InternalError.VpcException	VPC internal request error. Please try again. If the problem persists, please contact the smart customer service or submit a ticket.
InvalidParameter.BasicServiceNotAllowAttachPlugin	You are using the basic edition and can not be bind a plug-in.

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InvalidParameter.DuplicatePluginConfig	The plugin you want to bound conflicts with existing plugins.
InvalidParameter.FormatError	Incorrect parameter format.
InvalidParameterValue.DuplicatePluginConfig	Duplicate plugin parameter values. Please modify and try again.
InvalidParameterValue.IllegalProxyIp	Invalid backend IP address.
InvalidParameterValue.InvalidAccessKeyIds	Incorrect key.
InvalidParameterValue.InvalidApiBusinessType	The API business type passed in must be `OAUTH` .
InvalidParameterValue.InvalidApiIds	Incorrect API ID
InvalidParameterValue.InvalidApiRequestConfig	Invalid API configuration.
InvalidParameterValue.InvalidApiType	The API type is incorrect. The microservice API only supports the TSF backend service type.
InvalidParameterValue.InvalidBackendPath	The backend service path configuration is incorrect.
InvalidParameterValue.InvalidClb	Invalid CLB configuration.
InvalidParameterValue.InvalidCondition	Policy error.
InvalidParameterValue.InvalidConstantParameters	The constant parameter is invalid.
InvalidParameterValue.InvalidEnv	The value of the `Env` parameter is incorrect. Its valid values are (release, prepub, test).
InvalidParameterValue.InvalidEnvStatus	Invalid service environment status
InvalidParameterValue.InvalidFilterNotSupportedName	The parameter value is incorrect.
InvalidParameterValue.InvalidIPAddress	The value of the backend address parameter is incorrect.
InvalidParameterValue.InvalidMaxRequestNum	Invalid quota
InvalidParameterValue.InvalidMethod	The method is incorrect. For backend services in the WEBSOCKET type, the frontend method should be configured as GET.
InvalidParameterValue.InvalidPluginConfig	Plugin parameter value error. Please modify and try again.

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InvalidParameterValue.InvalidPort	The backend service port is incorrect.
InvalidParameterValue.InvalidProcotol	Invalid protocol type parameter.
InvalidParameterValue.InvalidPublicKey	The OAUTH 2.0 API public key parameter is in an incorrect format.
InvalidParameterValue.InvalidRegion	Incorrect region.
InvalidParameterValue.InvalidRequestParameters	Invalid request parameter.
InvalidParameterValue.InvalidScfConfig	The SCF API parameters are invalid.
InvalidParameterValue.InvalidServiceConfig	Invalid service configuration.
InvalidParameterValue.InvalidServiceMockReturnMessage	The `ServiceMockReturnMessage` parameter is incorrect.
InvalidParameterValue.InvalidServiceParam	The parameter configuration is incorrect, as the parameter is not configured in the backend parameter configuration list.
InvalidParameterValue.InvalidServiceParameters	The `ServiceParameters` parameter is incorrect.
InvalidParameterValue.InvalidServiceType	The backend service type is incorrect. For backend services in WEBSOCKET type, the frontend protocol should be configured as WEBSOCKET.
InvalidParameterValue.InvalidTagValues	Incorrect tag parameters
InvalidParameterValue.InvalidTsfConfig	Incorrect configuration of the TSF-type API.
InvalidParameterValue.InvalidUpstream	The backend channel does not exist or is invalid.
InvalidParameterValue.InvalidUrl	The URL parameters are invalid.
InvalidParameterValue.InvalidVpcConfig	Invalid VPC information
InvalidParameterValue.InvalidWSMethod	The method is incorrect. For backend services in the WEBSOCKET type, the frontend method should be configured as GET.
InvalidParameterValue.LengthExceeded	The length of the parameter exceeds the limit.
InvalidParameterValue.LimitExceeded	The number of parameters has reached the limit

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	(100).
InvalidParameterValue.NotInOptions	The parameter value is incorrect, as it is not an available option.
InvalidParameterValue.NothingModifyForOauth	There are no modifiable items for the OAuth API.
InvalidParameterValue.ParameterNotMatch	The backend parameter configuration is incorrect, as the related frontend parameters are not configured.
InvalidParameterValue.ParameterValueLimitExceeded	The number of parameters exceeded limit.
InvalidParameterValue.RangeExceeded	The parameter value is incorrect, as it is not within the valid value range.
InvalidParameterValue.TrafficControl	
InvalidParameterValue.UnsupportedParameter	Invalid parameter value.
LimitExceeded.APIDocLimitExceeded	The number of API documents exceeds the limit.
LimitExceeded.AccessKeyCountInUsagePlanLimitExceeded	Reached the upper limit of access keys.
LimitExceeded.ApiAppCountLimitExceeded	Number of applications bound with the service reaches the upper limit.
LimitExceeded.ApiCountLimitExceeded	The number of APIs exceeds the limit.
LimitExceeded.ApiKeyCountLimitExceeded	The number of keys exceeds the limit.
LimitExceeded.ExceededDefineMappingLimit	You can set up to 3 sets of custom path mappings.
LimitExceeded.ExceededDomainLimit	The number of bound domain names exceeds the limit. You can bind up to 5 domain names by default.
LimitExceeded.IpStrategyLimitExceeded	The number of IP policies exceeds the limit.
LimitExceeded.RequestLimitExceeded	The request frequency has reached the limit. Please try again later.
LimitExceeded.ServiceCountForPluginLimitExceeded	Too many services are bound to the plugin. Unbind some services or increase the quota, and try again.

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LimitExceeded.ServiceCountLimitExceeded	The number of services exceeds the limit. Please delete some services or increase the limit and try again.
LimitExceeded.UsagePlanLimitExceeded	The number of usage plans exceeds the limit.
MissingParameter.BackendSpecificParam	The backend service parameter is missing.
MissingParameter.PluginConfig	Parameter is missing in the plugin. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound.InvalidAccessKeyId	The key does not exist.
ResourceNotFound.InvalidApi	Incorrect `ApiId` .
ResourceNotFound.InvalidApiApp	The application ID is incorrect.
ResourceNotFound.InvalidApiDoc	The API document does not exist.
ResourceNotFound.InvalidIPStrategy	The IP policy does not exist.
ResourceNotFound.InvalidOauthApi	Error with the OAuth service API.
ResourceNotFound.InvalidPlugin	The plugin does not exist.
ResourceNotFound.InvalidService	The corresponding service is invisible.
ResourceNotFound.InvalidUsagePlan	The usage plan does not exist.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation.AccessResource	You do not have permission to access the resource.
UnauthorizedOperation.UncertifiedUser	The user has not passed identity verification.
UnsupportedOperation.AccountArrears	Insufficient account balance
UnsupportedOperation.AlreadyBindUsagePlan	The key has already been bound to a usage plan.
UnsupportedOperation.ApiListNotEmpty	
UnsupportedOperation.AttachPlugin	The current plugin cannot be bound.
UnsupportedOperation.BasicServiceNoMoreApi	You are using the basic edition and only one API can be created.

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UnsupportedOperation.BasicServiceNotAllowAttachPlugin	
UnsupportedOperation.ClsSearchTime	Invalid log query period
UnsupportedOperation.ExistingOnlineEnvironment	
UnsupportedOperation.ForceHttps	Cannot force HTTPS when the protocol is HTTP.
UnsupportedOperation.InvalidAction	API error.
UnsupportedOperation.InvalidEndpointType	Backend type not supported
UnsupportedOperation.InvalidServiceTrade	The service is currently isolated and therefore the operation is not supported.
UnsupportedOperation.InvalidStatus	The current key status does not support this operation.
UnsupportedOperation.ModifyEIAMAuthApi	The EIAM authentication API cannot be modified.
UnsupportedOperation.ModifyNetType	The network type cannot be modified
UnsupportedOperation.ModifyProtocol	The frontend protocol type cannot be changed.
UnsupportedOperation.NoUsagePlanEnv	The current usage plan is not bound to an environment.
UnsupportedOperation.ReduceNetTypes	Network types cannot be reduced.
UnsupportedOperation.RequestPostError	
UnsupportedOperation.ResourceAssociated	The resource has been associated. Please disassociate it first.
UnsupportedOperation.ResourceIsInUse	The key has already been bound to a usage plan. Please unbind it and try again.
UnsupportedOperation.ResourceUnassociated	The resource is not associated.
UnsupportedOperation.ServiceExist	
UnsupportedOperation.TagsNotEmpty	
UnsupportedOperation.UinNotInWhiteList	The current `Uin` is not in the manual key allowlist.
UnsupportedOperation.UnpackError	

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UnsupportedOperation.UnsupportedBindApiKey	The key has already been bound to a usage plan.
UnsupportedOperation.UnsupportedBindEnvironment	The environment cannot be bound.
UnsupportedOperation.UnsupportedDeleteApi	The current API has already been bound to a business API. Please unbind it and try again.
UnsupportedOperation.UnsupportedDeleteService	This service is being used and cannot be deleted.
UnsupportedOperation.UnsupportedDeleteUpstream	Operation failed: There are resources associated with this upstream.
UnsupportedOperation.UnsupportedNetType	Unsupported network type
UnsupportedOperation.UnsupportedUnBindEnvironment	The environment cannot be unbound, as there are APIs that are not bound to a usage plan.
UnsupportedOperation.UnsupportedUpdateApiKey	The current key status does not support this operation.
UnsupportedOperation.UsagePlanInUse	The current plan is in use. Please unbind it and try again.

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