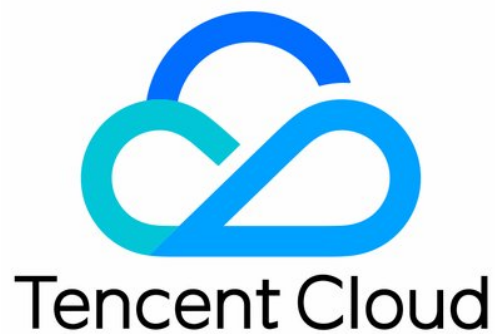


Web Application Firewall

API Documentation

Product Documentation



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Contents

API Documentation

History

Introduction

API Category

Making API Requests

Request Structure

Common Params

Signature v3

Signature

Responses

Asset Management APIs

DescribeDomains

Billing APIs

CreateDeals

GenerateDealsAndPayNew

DescribeInstances

Protection Settings APIs

AddAntiFakeUrl

AddAntiInfoLeakRules

DeleteAntiFakeUrl

DeleteSession

DescribeAntiFakeRules

DescribeAntiInfoLeakageRules

DescribeCCRule

DescribeCCRuleList

DescribeCustomRuleList

DescribeCustomWhiteRule

DescribeDomainVerifyResult

DescribeModuleStatus

DescribeObjects

DescribeRuleLimit

DescribeSession

DescribeSpartaProtectionInfo

DescribeUserLevel

ModifyAntiFakeUrl

ModifyAntiInfoLeakRuleStatus
ModifyAntiInfoLeakRules
ModifyCustomRule
ModifyCustomRuleStatus
ModifyCustomWhiteRule
ModifyCustomWhiteRuleStatus
ModifyModuleStatus
ModifyObject
ModifyProtectionStatus
ModifySpartaProtectionMode
ModifyUserLevel
ModifyUserSignatureRule
SwitchElasticMode

Other APIs

AddCustomWhiteRule
DeleteAntiInfoLeakRule
DeleteCCRule
DeleteCustomRule
DeleteCustomWhiteRule
DescribeDomainCountInfo
DescribeFindDomainList
DescribeHost
DescribeHosts
DescribeWebshellStatus
FreshAntiFakeUrl
ModifyAntiFakeUrlStatus
ModifyBotStatus
ModifyDomainsCLSStatus
ModifyHostMode
ModifyHostStatus
ModifyInstanceElasticMode
ModifyInstanceName
ModifyInstanceQpsLimit
ModifyInstanceRenewFlag
ModifyWebshellStatus
UpsertCCRule
UpsertSession
GetInstanceQpsLimit

AddCustomRule

ModifyApiAnalyzeStatus

IP Management APIs

DeleteIpAccessControlV2

DescribeBatchIpAccessControl

DescribeIpAccessControl

CreateIpAccessControl

ModifyIpAccessControl

ImportIpAccessControl

Integration APIs

DescribeHostLimit

DescribeUserDomainInfo

DescribeCertificateVerifyResult

DeleteHost

DescribeTlsVersion

ModifyHost

ModifyHostFlowMode

ModifySpartaProtection

AddSpartaProtection

DescribePorts

DescribeUserCibWafRegions

RefreshAccessCheckResult

DeleteSpartaProtection

DescribeCiphersDetail

DescribeDomainDetailsCib

DescribeDomainDetailsSaas

ModifyDomainIpv6Status

CreateHost

DescribeVipInfo

Log Service APIs

GetAttackHistogram

GetAttackTotalCount

ModifyDomainPostAction

SearchAttackLog

Security Overview APIs

DescribeAttackType

DescribeHistogram

DescribePeakPoints

[DescribePolicyStatus](#)

[DescribeTopAttackDomain](#)

[DescribeAttackOverview](#)

[Data Types](#)

[Error Codes](#)

API Documentation

History

Last updated : 2024-11-27 09:47:32

Release 3

Release time: 2024-11-27 09:46:08

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeAttackOverview](#)
- [GetAttackHistogram](#)
- [ModifyDomainPostAction](#)
- [SearchAttackLog](#)

Deleted APIs:

- DescribeAntiFakeUrl
- DescribeAntiInfoLeakRules

Modified APIs:

- [AddSpartaProtection](#)
 - New input parameters: GmType, GmCertType, GmCert, GmPrivateKey, GmEncCert, GmEncPrivateKey, GmSSLId
- [CreateIpAccessControl](#)
 - **Modified input parameters:** ValidTS
 - **Deprecate input parameters:** ValidTS
- [DescribeCertificateVerifyResult](#)
 - New input parameters: GmCertType, GmCert, GmPrivateKey, GmEncCert, GmEncPrivateKey, GmSSLId
 - **Modified input parameters:** CertType
- [ModifyIpAccessControl](#)
 - **Modified input parameters:** ValidTS
 - **Deprecate input parameters:** ValidTS
- [ModifySpartaProtection](#)

- New input parameters: GmType, GmCertType, GmCert, GmPrivateKey, GmEncCert, GmEncPrivateKey, GmSSLId

New data structures:

- [AttackLogInfo](#)
- [LogHistogramInfo](#)

Deleted data structures:

- CacheUrlItem
- DescribeAntiInfoLeakRulesRuleItem
- PageInfo

Modified data structures:

- [ClbDomainsInfo](#)
 - New members: Labels
- [ClbObject](#)
 - New members: NumericalVpcId
- [DomainInfo](#)
 - New members: Labels
- [DomainsPartInfo](#)
 - New members: GmType, GmCertType, GmCert, GmPrivateKey, GmEncCert, GmEncPrivateKey, GmSSLId, Labels
- [GoodsDetailNew](#)
 - New members: MicroVersion
- [QpsData](#)
 - **Modified members:** ElasticBillingDefault, ElasticBillingMin, ElasticBillingMax, QPSEndMax, QPSEndIntlMax
- [Strategy](#)
 - New members: CaseNotSensitive
- [VipInfo](#)
 - **Modified members:** Vip, InstanceId

Release 2

Release time: 2024-10-10 10:36:11

Release updates:

Improvement to existing documentation.

New APIs:

- [AddCustomWhiteRule](#)
- [CreateIpAccessControl](#)
- [DeleteCustomWhiteRule](#)
- [DeleteIpAccessControlV2](#)
- [DeleteSession](#)
- [DescribeCustomWhiteRule](#)
- [DescribeDomainVerifyResult](#)
- [DescribeInstances](#)
- [DescribeIpAccessControl](#)
- [DescribePorts](#)
- [DescribeUserClbWafRegions](#)
- [GetInstanceQpsLimit](#)
- [ImportIpAccessControl](#)
- [ModifyCustomWhiteRule](#)
- [ModifyInstanceElasticMode](#)
- [ModifyInstanceName](#)
- [ModifyInstanceQpsLimit](#)
- [ModifyInstanceRenewFlag](#)
- [ModifyIpAccessControl](#)
- [SwitchElasticMode](#)

New data structures:

- [ApiPkg](#)
- [BotPkg](#)
- [BotQPS](#)
- [ClbWafRegionItem](#)
- [DomainPackageNew](#)
- [FraudPkg](#)
- [HybridPkg](#)
- [InstanceInfo](#)
- [IpAccessControlData](#)
- [IpAccessControlItem](#)
- [IpAccessControlParam](#)
- [MajorEventsPkg](#)
- [MiniExtendPkg](#)

- [MiniPkg](#)
- [QPSPackageNew](#)
- [QpsData](#)

Release 1

Release time: 2024-09-25 10:10:56

Release updates:

Improvement to existing documentation.

New APIs:

- [AddAntiFakeUrl](#)
- [AddAntiInfoLeakRules](#)
- [AddCustomRule](#)
- [AddSpartaProtection](#)
- [CreateDeals](#)
- [CreateHost](#)
- [DeleteAntiFakeUrl](#)
- [DeleteAntiInfoLeakRule](#)
- [DeleteCCRule](#)
- [DeleteCustomRule](#)
- [DeleteHost](#)
- [DeleteSpartaProtection](#)
- [DescribeAntiFakeRules](#)
- [DescribeAntiFakeUrl](#)
- [DescribeAntiInfoLeakRules](#)
- [DescribeAntiInfoLeakageRules](#)
- [DescribeAttackType](#)
- [DescribeBatchIpAccessControl](#)
- [DescribeCCRule](#)
- [DescribeCCRuleList](#)
- [DescribeCertificateVerifyResult](#)
- [DescribeCiphersDetail](#)
- [DescribeCustomRuleList](#)
- [DescribeDomainCountInfo](#)
- [DescribeDomainDetailsClb](#)

- [DescribeDomainDetailsSaas](#)
- [DescribeDomains](#)
- [DescribeFindDomainList](#)
- [DescribeHistogram](#)
- [DescribeHost](#)
- [DescribeHostLimit](#)
- [DescribeHosts](#)
- [DescribeModuleStatus](#)
- [DescribeObjects](#)
- [DescribePeakPoints](#)
- [DescribePolicyStatus](#)
- [DescribeRuleLimit](#)
- [DescribeSession](#)
- [DescribeSpartaProtectionInfo](#)
- [DescribeTlsVersion](#)
- [DescribeTopAttackDomain](#)
- [DescribeUserDomainInfo](#)
- [DescribeUserLevel](#)
- [DescribeVipInfo](#)
- [DescribeWebshellStatus](#)
- [FreshAntiFakeUrl](#)
- [GenerateDealsAndPayNew](#)
- [GetAttackTotalCount](#)
- [ModifyAntiFakeUrl](#)
- [ModifyAntiFakeUrlStatus](#)
- [ModifyAntiInfoLeakRuleStatus](#)
- [ModifyAntiInfoLeakRules](#)
- [ModifyApiAnalyzeStatus](#)
- [ModifyBotStatus](#)
- [ModifyCustomRule](#)
- [ModifyCustomRuleStatus](#)
- [ModifyCustomWhiteRuleStatus](#)
- [ModifyDomainIpv6Status](#)
- [ModifyDomainsCLSStatus](#)
- [ModifyHost](#)
- [ModifyHostFlowMode](#)
- [ModifyHostMode](#)
- [ModifyHostStatus](#)

- [ModifyModuleStatus](#)
- [ModifyObject](#)
- [ModifyProtectionStatus](#)
- [ModifySpartaProtection](#)
- [ModifySpartaProtectionMode](#)
- [ModifyUserLevel](#)
- [ModifyUserSignatureRule](#)
- [ModifyWebshellStatus](#)
- [RefreshAccessCheckResult](#)
- [UpsertCCRule](#)
- [UpsertSession](#)

New data structures:

- [BatchIpAccessControlData](#)
- [BatchIpAccessControlItem](#)
- [CCRuleData](#)
- [CCRuleItem](#)
- [CCRuleItems](#)
- [CCRuleLists](#)
- [CacheUrlItem](#)
- [CacheUrlItems](#)
- [ClbDomainsInfo](#)
- [ClbObject](#)
- [CreateDealsGoods](#)
- [CreateDealsGoodsDetail](#)
- [CronJob](#)
- [DealData](#)
- [DescribeAntiInfoLeakRulesRuleItem](#)
- [DescribeAntiInfoLeakRulesStrategyItem](#)
- [DescribeAntiLeakageItem](#)
- [DescribeCustomRulesRspRuleListItem](#)
- [DomainInfo](#)
- [DomainRuleId](#)
- [DomainURI](#)
- [DomainsPartInfo](#)
- [FiltersItemNew](#)
- [FindAllDomainDetail](#)

- [GoodNews](#)
- [GoodsDetailNew](#)
- [HostDel](#)
- [HostRecord](#)
- [HostStatus](#)
- [JobDateTime](#)
- [KVInt](#)
- [LoadBalancer](#)
- [LoadBalancerPackageNew](#)
- [PageInfo](#)
- [PeakPointsItem](#)
- [PiechartItem](#)
- [PortInfo](#)
- [PortItem](#)
- [ReqUserRule](#)
- [ResponseCode](#)
- [SearchItem](#)
- [SessionData](#)
- [SessionItem](#)
- [SpartaProtectionPort](#)
- [Strategy](#)
- [StrategyForAntiInfoLeak](#)
- [TLSCiphers](#)
- [TLSVersion](#)
- [TargetEntity](#)
- [TimedJob](#)
- [UserDomainInfo](#)
- [VipInfo](#)
- [WafRuleLimit](#)
- [WebshellStatus](#)

Introduction

Last updated : 2024-09-25 10:11:56

Tencent Cloud Web Application Firewall (WAF) is an AI-based one-stop web business operation risk prevention solution. Backed by Tencent Cloud's security big data detection capabilities and 19 years of experience in internal web business security protection, it comprehensively protects the security of website systems and businesses through defense policies in multiple dimensions, including web intrusion prevention, zero-day vulnerability patch repair, malicious access penalty, and cloud backup for anti-tampering.

API Category

Last updated : 2024-11-27 09:47:31

Asset Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDomains	Obtains the domain name list	20

Billing APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateDeals	Creates a billed resource order	20
GenerateDealsAndPayNew	Billing Resource Purchase, Renewal Order API	20
DescribeInstances	Query detailed information of all user instances	20

Protection Settings APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AddAntiFakeUrl	Add tamper-proof URL	20
AddAntiInfoLeakRules	Add information leakage prevention rule	20
DeleteAntiFakeUrl	Delete tamper-proof URL	20
DeleteSession	Delete CC attack session settings	20
DescribeAntiFakeRules	Obtains the anti-tampering information	20
DescribeAntiInfoLeakageRules	Obtain the information leakage prevention rule list	20

DescribeCCRule	WAF CC V2 query API	20
DescribeCCRuleList	Queries CC Prevention Rules	20
DescribeCustomRuleList	Queries access control rules	20
DescribeCustomWhiteRule	Queries precise allowlist rules	20
DescribeDomainVerifyResult	Obtain the result of adding domain operation	20
DescribeModuleStatus	Queries the enabling status of each WAF module	20
DescribeObjects	View protected object list	20
DescribeRuleLimit	Obtains specification limits	20
DescribeSession	WAF session definition query API	20
DescribeSpartaProtectionInfo	WAF Sparta - Obtain protection domain information	20
DescribeUserLevel	Obtain the user protection rule level	20
ModifyAntiFakeUrl	Edit a tamper-proof URL	20
ModifyAntiInfoLeakRuleStatus	Information leakage prevention toggle rule switch	20
ModifyAntiInfoLeakRules	Edit an information leakage prevention rule	20
ModifyCustomRule	Edits a custom rule	20
ModifyCustomRuleStatus	Enable or disable access control (from custom policy)	20
ModifyCustomWhiteRule	Edits a precise allowlist	20
ModifyCustomWhiteRuleStatus	Enable or disable a precision allowlist	20
ModifyModuleStatus	Set the switch for the basic security module under a certain domain	20
ModifyObject	Modify protection object	20
ModifyProtectionStatus	Obtains the enabling status of the basic security protection module of WAF	20

ModifySpartaProtectionMode	Set WAF protection status	20
ModifyUserLevel	Modify the user protection rule level	20
ModifyUserSignatureRule	Modifies a user protection rule	20
SwitchElasticMode	Toggles the switch of the elastic QPS	20

Other APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AddCustomWhiteRule	Adds a precise allowlist rule	20
DeleteAntiInfoLeakRule	Delete information leakage prevention rule	20
DeleteCCRule	WAF CC V2 deletion API	20
DeleteCustomRule	Delete custom rule	20
DeleteCustomWhiteRule	Delete precision allowlist rules	20
DescribeDomainCountInfo	Obtain domain overview	20
DescribeFindDomainList	Obtain discovered domain name list API	20
DescribeHost	Obtains protected domain name details	20
DescribeHosts	Obtains the list of protected domain names	50
DescribeWebshellStatus	Obtains the webshell detection status of a domain name	20
FreshAntiFakeUrl	Refresh a tamper-proof URL	20
ModifyAntiFakeUrlStatus	Toggle tamper-proof switch	20
ModifyBotStatus	Bot_V2 bot master switch update	20
ModifyDomainsCLSStatus	Enable or disable access log for domain list	20
ModifyHostMode	Sets the protection status of a protected	20

	domain name	
ModifyHostStatus	Enables or disables WAF for protected domain names	20
ModifyInstanceElasticMode	Modify the QPS elastic billing switch for an instance	20
ModifyInstanceName	Modifies the instance name	20
ModifyInstanceQpsLimit	Set elastic QPS limit for package instances	20
ModifyInstanceRenewFlag	Enable or disable auto-renewal for instance	20
ModifyWebshellStatus	Sets the webshell detection status	20
UpsertCCRule	WAF CC V2 upsert API	20
UpsertSession	WAF session definition upsert API	20
GetInstanceQpsLimit	Obtain the elastic QPS limit of package instances	20
AddCustomRule	Add access control (from custom policy)	20
ModifyApiAnalyzeStatus	API analysis page switch	20

IP Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeleteIpAccessControlV2	Deletes an IP blocklist/allowlist	20
DescribeBatchIpAccessControl	Queries the IP blocklist and allowlist for batch protection	20
DescribeIpAccessControl	Queries IP blocklists and allowlists	20
CreateIpAccessControl	Adds an IP blocklist/allowlist	20
ModifyIpAccessControl	Edits an IP blocklist/allowlist	20
ImportIpAccessControl	This API is used to import IP	20

allowlists/blocklists.

Integration APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeHostLimit	Verifies the existence of the domain name to be added	20
DescribeUserDomainInfo	Query Domain Information for SaaS and CLB	20
DescribeCertificateVerifyResult	Obtain certificate inspection result	20
DeleteHost	Deletes a domain name protected by CLB WAF	20
DescribeTlsVersion	Queries TLS versions supported by SaaS WAF	20
ModifyHost	Edits domain names protected by CLB WAF	20
ModifyHostFlowMode	Edits the traffic mode for domain names protected by CLB WAF	20
ModifySpartaProtection	Edits the configuration of domain names protected by SaaS WAF	2
AddSpartaProtection	Add SaaS WAF protection domain	20
DescribePorts	Obtain the SaaS-type WAF protection port list	20
DescribeUserClbWafRegions	Obtains the regions where CLB WAF (clb-waf) is available to customers	20
RefreshAccessCheckResult	Refreshes the access configuration check result	3
DeleteSpartaProtection	Deletes a domain name protected by SaaS WAF	20
DescribeCiphersDetail	Queries the cipher suite information	20

DescribeDomainDetailsClb	Obtains details of domain names protected by CLB WAF	20
DescribeDomainDetailsSaas	Queries a single domain details of SaaS WAF instance	20
ModifyDomainIpv6Status	Toggle the IPv6 switch	20
CreateHost	Adds a protected domain name to CLB WAF	20
DescribeVipInfo	Queries the VIP information	20

Log Service APIs

API Name	Feature	Frequency Limit (maximum requests per second)
GetAttackHistogram	Collects attack logs	20
GetAttackTotalCount	Total attack count	10
ModifyDomainPostAction	Modifies the domain shipping status	20
SearchAttackLog	Searches for attack logs of CLS of the new version	10

Security Overview APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeAttackType	Queries top N attack types	20
DescribeHistogram	Queries the statistical data for analysis by multiple conditions	20
DescribePeakPoints	Query business and attack summary trends	10
DescribePolicyStatus	Obtain protection status and the effective instance ID	20

DescribeTopAttackDomain	Query top 5 attack domains	20
DescribeAttackOverview	Describes the attack overview	10

Making API Requests

Request Structure

Last updated : 2024-11-27 09:46:22

1. Service Address

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

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

2. Communications Protocol

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

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

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

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

4. Character Encoding

Only UTF-8 encoding is used.

Common Params

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

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

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

Example of an HTTP GET request structure:

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

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

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

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

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

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

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

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

```
Authorization: TC3-HMAC-SHA256 Credential=AKID*****/2018-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
```

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

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

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

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

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

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

```
--58731222010402
```

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

```
0
```

```
--58731222010402
```

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

```
10
```

```
--58731222010402--
```

Common parameters for Signature Algorithm v1

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

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

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

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

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbbe224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKID*****
```

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

Example of an HTTP POST request structure:

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

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

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

```
Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=
1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbec224158d66e7ae5fcadb70b2d18
1d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKID*****
****
```

Region List

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

Region	Value
South China (Guangzhou)	ap-guangzhou
Northeast Asia (Seoul)	ap-seoul
East China (Shanghai)	ap-shanghai
Southeast Asia (Singapore)	ap-singapore
Northeast Asia (Tokyo)	ap-tokyo

Signature v3

Last updated : 2025-02-19 16:45:08

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

Applying for Security Credentials

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

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

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

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

Using the Resources for Developers

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

TC3-HMAC-SHA256 Signature Algorithm

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

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

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

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

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

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

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

```
curl -X POST https://cvm.tencentcloudapi.com \
-H "Authorization: TC3-HMAC-SHA256 Credential=AKID*****
*/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b85514
48762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2" \
-H "Content-Type: application/json; charset=utf-8" \
-H "Host: cvm.tencentcloudapi.com" \
-H "X-TC-Action: DescribeInstances" \
-H "X-TC-Timestamp: 1551113065" \
-H "X-TC-Version: 2017-03-12" \
-H "X-TC-Region: ap-guangzhou" \
-d '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}'
```

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

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

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

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

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

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

The pseudocode for calculation is

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

`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

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

POST

/

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

host:cvm.tencentcloudapi.com

content-type;host

`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

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

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always <code>TC3-HMAC-SHA256</code> .
RequestTimestamp	Request timestamp, i.e., the value of the common parameter <code>X-TC-Timestamp</code> in request header, which is the UNIX timestamp of the current time in seconds, such as <code>1551113065</code> in this example.
CredentialScope	Scope of the credential in the format of <code>Date/service/tc3_request</code> , including date, requested service and termination string (tc3_request). Date is a date in UTC time, whose value should match the UTC date converted by the common parameter X-TC-Timestamp ; <code>service</code> is the product name, which should be the domain name of the product called. The calculation result in this example is <code>2018-05-25/cvm/tc3_request</code> .

HashedCanonicalRequest

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

```
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad
```

Note:

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

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

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

3. Calculating the Signature

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

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

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

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

2. Calculate the signature with the following pseudocode:

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

4. Concatenating the Authorization

The Authorization is concatenated as follows:

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

Field Name	Explanation
Algorithm	Signature algorithm, which is always <code>TC3-HMAC-SHA256</code> .
SecretId	The SecretId in the key pair, i.e., <code>AKID*****</code> .
CredentialScope	Credential scope (see above). The calculation result in this example is <code>2019-02-25/cvm/tc3_request</code> .
SignedHeaders	Header information for signature calculation (see above), such as <code>content-type;host</code> in this example.
Signature	Signature value. The calculation result in this example is <code>a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2</code> .

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

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

The following example shows a finished authorization header:

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

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

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

5. Signature Demo

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

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

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

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

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

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

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

Java

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

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

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

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

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

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



```

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

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

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

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

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

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

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

```

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

Python

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

# Key Parameters
secret_id = "AKID*****"
secret_key = "*****"

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

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

```

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

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

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

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

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

```

Golang

```
package main

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

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

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

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

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

```

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

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

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

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

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

```

PHP

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

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

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

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

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

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

Ruby

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

# Key Parameters
secret_id = 'AKID*****'
secret_key = '*****'

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

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

```

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

puts canonical_request

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

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

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

puts 'curl -X POST ' + endpoint \

```



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

DotNet

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

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

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

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

```

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

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

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

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

```

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

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

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

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

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

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

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

NodeJS

```

const crypto = require('crypto');

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

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

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

function main() {

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

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

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

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

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

  const canonicalRequest = httpRequestMethod + "\n"

```

```

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

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

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

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

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

```

C++

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

using namespace std;

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

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

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

```
}  
string HmacSha256(const string &key, const string &input)  
{  
    unsigned char hash[32];  
  
    HMAC_CTX *h;  
    #if OPENSSSL_VERSION_NUMBER < 0x10100000L  
    HMAC_CTX hmac;  
    HMAC_CTX_init(&hmac);  
    h = &hmac;  
    #else  
    h = HMAC_CTX_new();  
    #endif  
  
    HMAC_Init_ex(h, &key[0], key.length(), EVP_sha256(), NULL);  
    HMAC_Update(h, ( unsigned char* )&input[0], input.length());  
    unsigned int len = 32;  
    HMAC_Final(h, hash, &len);  
  
    #if OPENSSSL_VERSION_NUMBER < 0x10100000L  
    HMAC_CTX_cleanup(h);  
    #else  
    HMAC_CTX_free(h);  
    #endif  
  
    std::stringstream ss;  
    ss << std::setfill('0');  
    for (int i = 0; i < len; i++)  
    {  
        ss << hash[i];  
    }  
  
    return (ss.str());  
}  
string HexEncode(const string &input)  
{  
    static const char* const lut = "0123456789abcdef";  
    size_t len = input.length();  
  
    string output;  
    output.reserve(2 * len);  
    for (size_t i = 0; i < len; ++i)  
    {  
        const unsigned char c = input[i];  
        output.push_back(lut[c >> 4]);  
        output.push_back(lut[c & 15]);  
    }  
}
```

```

return output;
}

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

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

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

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

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

```



```

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

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

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

```

Signature Failure

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

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

Signature

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

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

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

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

2.1. Sorting Parameters

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

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

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

2.2. Concatenating a Request String

This step generates a request string.

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

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

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

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

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

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

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

The concatenation result of the example is:

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

2.4. Generating a Signature String

This step generates a signature string.

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

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

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

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

The final signature is:

```
7RAM2xfNMO9EiVTNmPg06MRnCvQ=
```

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

3. Encoding a Signature String

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

For example, if the signature string generated in the previous step is 7RAM2xfNMO9EiVTNmPg06MRnCvQ=, the final signature string request parameter (Signature) is 7RAM2xfNMO9EiVTNmPg06MRnCvQ%3D, which will be used to generate the final request URL.

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

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

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

4. Signature Failure

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

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

5. Signature Demo

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

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

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

The final output URL might be: `https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKID*****&Signature=7RAM2xfNMO9EiVTNmPg06MRnCvQ%3D&Timestamp=1465185768&Version=2017-03-12` .

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

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

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

Java

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

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

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

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

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

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

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

Python

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

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

import requests

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



```

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

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

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

```

Golang

```

package main

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

func main() {
    secretId := "AKID*****"
    secretKey := "*****"

```

```

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

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

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

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

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

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

```

PHP

```

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

```

```

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

ksort($params);

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

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

```

Ruby

```

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

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

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

```

```

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

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

```

DotNet

```

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

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

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

```

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

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

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

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

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

```

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

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

```

NodeJS

```

const crypto = require('crypto');

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

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

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

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

```

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

function main(){
const SECRET_ID = "AKID*****"
const SECRET_KEY = "*****"

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

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

strParam = sort_params(params)

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

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

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


Responses

Last updated : 2024-09-25 10:12:05

Response for Successful Requests

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

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

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

Response for Failed Requests

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

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

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

Common Error Codes

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

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

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

Asset Management APIs

DescribeDomains

Last updated : 2025-03-11 23:20:01

1. API Description

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

Query detailed information of all user domains

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomains.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Offset	Yes	Integer	Paging offset, a multiple of limit. The minimum value is 0, and the maximum value is Total/Limit rounded up.
Limit	Yes	Integer	Number of returned domains
Filters.N	No	Array of FiltersItemNew	Filter array. The filter fields are as follows. Edition: instance version, which can be set to sparta-waf or clb-waf; Domain:

			domain name; DomainId: domain name ID; InstanceName: instance name; InstanceId: instance ID; FlowMode: traffic access mode, which supports only CLB WAF; FlowCheckMode: traffic inspection mode, which supports only CLB WAF; ClsStatus: log switch; Status: WAF switch; BotStatus: BOT switch; ApiStatus: API security switch; Engine: engine mode; UpstreamIP: origin server IP address, which supports only SaaS WAF; UpstreamDomain: origin server domain name, which supports only SaaS WAF; DomainState: domain name status, which supports only SaaS WAF; SgState: security group status, which supports only SaaS WAF; Label: group tag, which supports the filtering of only one tag at a time.
--	--	--	--

3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number
Domains	Array of DomainInfo	Domain 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 Querying All Domain Information of a User

This example shows you how to query all domain information of a user.

Input Example

```
POST / HTTP/1.1
Host: xxx.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomains
<common request parameters>
```

```
{
  "Offset": 0,
  "Limit": 20,
  "Filters": []
}
```

Output Example

```
{
  "Response": {
    "RequestId": "93efef98-b938-4ae7-bad3-19fc70b7b9a7",
    "Total": 2,
    "Domains": [
      {
        "AppId": 1256704386,
        "Domain": "zhenhas1020.qcloudwaf.com",
        "DomainId": "waf-ApUwCv4q",
        "InstanceId": "waf_2k0il2fm02vqm7z3",
        "InstanceName": "cd-Default1",
        "Edition": "clb-waf",
        "Region": "cd",
        "CreateTime": "2024-10-28T16:52:33+08:00",
        "Cname": "dae1cae7d48ec31c7727a86a5c1a2a62.qcloudzygj.com",
        "ClsStatus": 0,
        "PostCLSStatus": 0,
        "PostCKafkaStatus": 0,
        "FlowMode": 1,
        "Status": 1,
        "Mode": 1,
        "State": 0,
        "Engine": 20,
        "Ipv6Status": 0,
        "BotStatus": 2,
        "ApiStatus": 0,
        "Level": 3,
        "CdcClusters": "cls-dasjh2a2t5",
        "RsList": [
          "1.14.1.0/24"
        ],
        "CCList": [
          "1.14.3.0/24"
        ],
        "Ports": [
          {
            "NginxServerId": 257856,
            "Port": "80",

```

```
"Protocol": "http",
"UpstreamPort": "80",
"UpstreamProtocol": "http"
},
],
"LoadBalancerSet": [
{
"ListenerId": "lb1-d823da3",
"ListenerName": "listener 80",
"LoadBalancerId": "lb-nda52sau",
"LoadBalancerName": "cd lb",
"Protocol": "HTTP",
"Region": "cd",
"Vip": "26.153.3.235",
"Vport": 80,
"Zone": "ap-chengdu-1",
"NumericalVpcId": 23654,
"LoadBalancerType": "OPEN",
"LoadBalancerDomain": "lb-nda52sau-vo1x4syum7jtqz5n.clb.ap-guangzhou.tencentclb.com"
},
],
"AlbType": "clb",
"SgState": 0,
"CloudType": "public",
>Note": "clb domain",
"AccessStatus": 1,
"Labels": [
"clb domain"
],
},
{
"AppId": 1256704386,
"Domain": "zhenhuasaas1020.qcloudwaf.com",
"DomainId": "11c88f0f292a5fd4a3002344271367b2",
"InstanceId": "waf_2kzh5tma0v0jpotj",
"InstanceName": "cd-Default",
"Edition": "sparta-waf",
"Region": "cd",
"CreateTime": "2024-10-21T14:41:50+08:00",
"Cname": "88fa6f44eee830c8e1e3b3c5ecba6af7.qcloudzygj.com",
"ClsStatus": 1,
"PostCLSStatus": 0,
"PostCKafkaStatus": 0,
"FlowMode": 0,
"Status": 1,
"Mode": 1,
```

```
"State": 0,
"Engine": 1,
"Ipv6Status": 0,
"BotStatus": 0,
"ApiStatus": 0,
"Level": 3,
"RsList": [
  "1.14.1.0/24"
],
"CCList": [
  "1.14.8.0/24"
],
"Ports": [
  {
    "NginxServerId": 329025,
    "Port": "80",
    "Protocol": "http",
    "UpstreamPort": "80",
    "UpstreamProtocol": "http"
  }
],
"LoadBalancerSet": [
  {
    "ListenerId": "default",
    "ListenerName": "default",
    "LoadBalancerId": "default.cd",
    "LoadBalancerName": "default.clb",
    "Protocol": "HTTP",
    "Region": "cd",
    "Vip": "8.8.8.8",
    "Vport": 80,
    "Zone": "cd",
    "NumericalVpcId": -1,
    "LoadBalancerType": "OPEN",
    "LoadBalancerDomain": "default.cd"
  }
],
"SgState": 1,
"SgDetail": "ok",
"CloudType": "public",
>Note": "saas domain",
"SrcList": [
  "87.29.132.9"
],
"SgID": "sg-asn32ag1",
"AccessStatus": 1,
"Labels": [
```



```
"saas domain"
]
}
]
}
}
```

Example2 Querying the Domain Information of a Specific SaaS-type WAF Protection Instance

This example shows you how to query the domain information of a specific SaaS-type WAF protection instance.

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomains
<common request parameters>

{
  "Offset": 0,
  "Limit": 20,
  "Filters": [
    {
      "Name": "Edition",
      "Values": [
        "sparta_waf"
      ],
      "ExactMatch": true
    },
    {
      "Name": "InstanceId",
      "Values": [
        "waf_2kw60jgy0908e8j3"
      ],
      "ExactMatch": true
    }
  ]
}
```

Output Example

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

```
"Domains": [
{
  "AccessStatus": 1,
  "ApiStatus": 0,
  "AppId": 1256702383,
  "BotStatus": 2,
  "CCList": [
    "134.175.225.0/24"
  ],
  "ClsStatus": 1,
  "Cname": "dae1cae7d48ec31c7727a86a8cda2a62.qcloudzygj.com",
  "CreateTime": "2024-07-18T10:46:12+08:00",
  "Domain": "randygz2.qcloudwaf.com",
  "DomainId": "7d58ebf3db7e5f7e8f91eb017c6a7b31",
  "Edition": "sparta-waf",
  "Engine": 1,
  "FlowMode": 0,
  "InstanceId": "waf_2kw60jgy0908e8j3",
  "InstanceName": "Dual-stack cluster Enterprise Edition in Guangzhou",
  "Ipv6Status": 1,
  "Labels": [
    "randy domain"
  ],
  "Level": 3,
  "LoadBalancerSet": [],
  "Mode": 1,
  "Note": "randy domain",
  "Ports": [
    {
      "NginxServerId": 231056,
      "Port": "80",
      "Protocol": "http",
      "UpstreamPort": "80",
      "UpstreamProtocol": "http"
    },
    {
      "NginxServerId": 321607,
      "Port": "443",
      "Protocol": "https",
      "UpstreamPort": "80",
      "UpstreamProtocol": "http"
    }
  ],
  "PostCKafkaStatus": 0,
  "PostCLSStatus": 0,
  "Region": "gz",
  "RsList": [
```

```
"134.175.221.0/24",
"2402:4e00:1020:1707::/64"
],
"SgDetail": "ok",
"SgID": "sg-7dme0v73",
"SgState": 2,
"SrcList": [
"114.132.246.237"
],
"State": 0,
"Status": 1,
"UpstreamDomainList": [
"xiaochengxu.upstream.com"
]
},
{
"AccessStatus": 1,
"ApiStatus": 0,
"AppId": 1256704386,
"BotStatus": 2,
"CCList": [
"134.175.225.0/24"
],
"ClsStatus": 1,
"Cname": "3323d11c0772e26ca3c68548b9cd069f.qcloudzygj.com",
"CreateTime": "2024-07-08T17:42:42+08:00",
"Domain": "xiaochengxu.qcloudwaf.com",
"DomainId": "42059f9a9905519d8f9e72a823891544",
"Edition": "sparta-waf",
"Engine": 1,
"FlowMode": 0,
"InstanceId": "waf_2kw60jgy0908e8j3",
"InstanceName": "Dual-stack cluster Enterprise Edition in Guangzhou",
"Ipv6Status": 0,
"Labels": [
"xiaochengxu"
],
"Level": 3,
"LoadBalancerSet": [],
"Mode": 1,
>Note": "xiaochengxu",
"Ports": [
{
"NginxServerId": 257856,
"Port": "80",
"Protocol": "http",
"UpstreamPort": "80",
```

```
"UpstreamProtocol": "http"
},
],
"PostCKafkaStatus": 0,
"PostCLSStatus": 0,
"Region": "gz",
"RsList": [
  "134.175.221.0/24"
],
"SgDetail": "fail",
"SgID": "sg-7dme0v73",
"SgState": 1,
"SrcList": [
  "124.221.148.62"
],
"State": 1,
"Status": 1,
"UpstreamDomainList": [
  "xiaochehgxu.upstream.com"
]
}
],
"RequestId": "91334a5a-1d24-42b9-998e-57e1490f9608",
"Total": 2
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

UnsupportedOperation	The operation is not supported.
----------------------	---------------------------------

Billing APIs

CreateDeals

Last updated : 2024-11-27 09:47:15

1. API Description

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

Billing Resource Purchase, Renewal Order 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: CreateDeals.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Goods.N	Yes	Array of CreateDealsGoods	Billing and ordering input parameters

3. Output Parameters

--	--	--

Parameter Name	Type	Description
Data	DealData	Billing order response structure Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	1: Success, 0: Failure
ReturnMessage	String	Returned message 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 Billing Resource Order

Input Example

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

```
{
  "Goods": [
    {
      "GoodsCategoryId": 0,
      "GoodsNum": 0,
      "GoodsDetail": {
        "TimeSpan": 0,
        "TimeUnit": "abc",
        "SubProductCode": "abc",
        "Pid": 0,
        "InstanceName": "abc",
        "AutoRenewFlag": 0,
        "RealRegion": 0,
        "LabelTypes": [
```



```
"abc"
],
"LabelCounts": [
0
],
"CurDeadline": "abc",
"InstanceId": "abc",
"ResourceId": "abc"
},
"RegionId": 0
}
]
```

Output Example

```
{
  "Response": {
    "Data": {
      "DealNames": [
        "20241029942071711427531"
      ],
      "BigDealId": "20241029942071711427531"
    },
    "Status": 0,
    "ReturnMessage": "ok",
    "RequestId": "d55b94a8-07bb-4326-b82f-e6678151afe0"
  }
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.

ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

GenerateDealsAndPayNew

Last updated : 2024-11-27 09:47:14

1. API Description

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

Billing Resource Purchase, Renewal Order 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: GenerateDealsAndPayNew.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Goods.N	Yes	Array of GoodNews	Billing and ordering input parameters

3. Output Parameters

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

Name		
Data	DealData	Billing order response structure Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	1: Success, 0: Failure
ReturnMessage	String	Returned message Note: This field may return null, indicating that no valid values can be obtained.
InstanceId	String	Purchased instance ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Placing an Order

This example shows you how to place an order.

Input Example

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

```
{
  "Goods": [
    {
      "GoodsCategoryId": 0,
      "GoodsNum": 0,
      "GoodsDetail": {
        "TimeSpan": 0,
        "TimeUnit": "abc",
        "SubProductCode": "abc",
```

```
"Pid": 0,
"InstanceName": "abc",
"AutoRenewFlag": 0,
"RealRegion": 0,
"LabelTypes": [
  "abc"
],
"LabelCounts": [
  0
],
"CurDeadline": "abc",
"InstanceId": "abc"
},
"RegionId": 0
}
]
```

Output Example

```
{
  "Response": {
    "Data": {
      "DealNames": [
        "20211127383000722205671"
      ],
      "BigDealId": "20211127383000722205661"
    },
    "Status": 0,
    "ReturnMessage": "success",
    "InstanceId": "waf_22piczpx8beg7rht",
    "RequestId": "b705af50-606d-46a7-8cb6-617f7592ed4e"
  }
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.

ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

DescribeInstances

Last updated : 2025-03-11 23:20:00

1. API Description

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

Query detailed information of all user instances

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInstances.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Offset	Yes	Integer	Offset.
Limit	Yes	Integer	Capacity
Filters.N	No	Array of FiltersItemNew	Filter array
FreeDelayFlag	No	Integer	Deletion delay flag.

3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number
Instances	Array of InstanceInfo	Instance 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 Query detailed information of all user instances

Query detailed information of all user instances

Input Example

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

```
{
  "Offset": 1,
  "Limit": 20,
  "Filters": [
    {
      "Name": "Edition",
      "Values": [],
      "ExactMatch": true
    },
    {
      "Name": "Region",
      "Values": [
        "ap-beijing",
        "ap-guangzhou"
      ]
    }
  ]
}
```

```
],
  "ExactMatch": true
},
{
  "Name": "InstanceName",
  "Values": [
    "Instance"
  ],
  "ExactMatch": false
},
{
  "Name": "InstanceId",
  "Values": [
    "waf"
  ],
  "ExactMatch": false
}
]
```

Output Example

```
{
  "Response": {
    "Instances": [
      {
        "APISecurity": 1,
        "ApiPkg": {
          "BeginTime": "2024-04-23 00:01:51",
          "BillingItem": "sv_wsm_waf_scene_ent",
          "EndTime": "2024-11-01 00:01:51",
          "InquireNum": 1,
          "IsAPISecurityTrial": 0,
          "Region": 1,
          "RenewFlag": 1,
          "ResourceIds": "waf_2kw60zgy0908e8j3_0_api",
          "Status": 1,
          "UsedNum": 0
        },
        "AppId": 87524381,
        "AttackLogPost": 1,
        "BandwidthStandard": 2600,
        "BeginTime": "2022-09-01 15:27:23",
        "BillingItem": "sv_wsm_waf_package_enterprise",
        "BotPkg": {
          "BeginTime": "2022-01-05 15:38:04",
```

```
"BotCPWaf": 0,
"BotNPWaf": 0,
"EndTime": "2025-01-15 15:38:04",
"InquireNum": 1,
"IsBotTrial": 0,
"Region": 1,
"RenewFlag": 0,
"ResourceIds": "waf_2kw60zgy0908e8j3_0_bot",
"Status": 1,
"Type": "sv_wsm_waf_scene_bot",
"UsedNum": 0
},
"BotQPS": {
  "Count": 0,
  "MaxBotQPS": 50,
  "Region": "gz",
  "RenewFlag": 0,
  "ResourceIds": "waf_2kw60zgy0908e8j3_0_botqps",
  "ValidTime": "2024-11-01 15:27:23"
},
"DomainCount": 19,
"DomainPkg": {
  "Count": 1,
  "Region": "gz",
  "RenewFlag": 0,
  "ResourceIds": "waf_2kw60zgy0908e8j3_domain",
  "ValidTime": "2024-11-01 15:27:23"
},
"Edition": "sparta-waf",
"ElasticBilling": 100000,
"FraudPkg": {
  "BeginTime": "2024-06-19 19:22:59",
  "EndTime": "2024-11-01 19:22:59",
  "InquireNum": 5000,
  "Region": 1,
  "RenewFlag": 1,
  "ResourceIds": "waf_2kw60zgy0908e8j3_0_fraud",
  "Status": 1,
  "UsedNum": 37
},
"FreeDelayFlag": 0,
"HybridPkg": {
  "BeginTime": "2024-05-16 16:57:16",
  "EndTime": "2024-08-16 16:57:16",
  "InquireNum": 0,
  "Region": 0,
  "RenewFlag": 0,
```

```
"ResourceIds": "waf_2kw60zgy0908e8j3_0_hcn",
"Status": 0,
"UsedNum": 0
},
"InstanceId": "waf_2kw60zgy0908e8j3",
"InstanceName": "Dual-stack cluster Enterprise Edition in Guangzhou",
"IsAPISecurityTrial": 0,
"LastQpsExceedTime": "2024-11-01 23:35:08",
"Level": 3,
"MainDomainCount": 3,
"MainDomainLimit": 3,
"MajorEventsPkg": {
  "BeginTime": "2024-05-16 16:57:16",
  "BillingItem": "sv_wsm_waf_scene_major_events_basic",
  "EndTime": "2024-08-16 16:57:16",
  "HWState": 3,
  "InquireNum": 1000,
  "Region": 1,
  "RenewFlag": 0,
  "ResourceIds": "waf_2kw60zgy0908e8j3_0_major_events",
  "Status": 1,
  "UsedNum": 0
},
"MaxBandwidth": 203021,
"MaxQPS": 50,
"MiniExtendPkg": {
  "BeginTime": "2024-05-30 23:35:08",
  "BillingItem": "sv_wsm_waf_exp_exp",
  "Count": 1,
  "EndTime": "2024-11-01 23:35:08",
  "Region": 1,
  "RenewFlag": 1,
  "ResourceIds": "waf_2kw60zgy0908e8j3_0_mini_extend",
  "Status": 1
},
"MiniMaxQPS": 1,
"MiniPkg": {
  "BeginTime": "2024-04-11 11:31:01",
  "BillingItem": "sv_wsm_waf_scene_mini",
  "Count": 5,
  "EndTime": "2024-11-01 11:31:01",
  "Region": 1,
  "RenewFlag": 1,
  "ResourceIds": "waf_2kw60zgy0908e8j3_1_mini",
  "Status": 1
},
"MiniQpsStandard": 473500,
```

```
"Mode": 1,
"PayMode": 1,
"QPS": {
  "BillingItem": "sv_wsm_waf_package_enterprise",
  "Count": 0,
  "Region": "gz",
  "RenewFlag": 0,
  "ResourceIds": "waf_2kw60zgy0908e8j3_qps",
  "ValidTime": "2024-11-01 15:27:23"
},
"QpsStandard": 105000,
"Region": "gz",
"RenewFlag": 1,
"ResourceIds": "waf_2kw60zgy0908e8j3",
"SandboxQps": 115000,
"Status": 0,
"SubDomainLimit": 30,
"ValidTime": "2024-11-01 15:27:23"
},
{
  "APISecurity": 1,
  "ApiPkg": {
    "BeginTime": "2023-11-06 20:34:31",
    "BillingItem": "sv_wsm_waf_scene_cent",
    "EndTime": "2024-11-18 16:35:25",
    "InquireNum": 1,
    "IsAPISecurityTrial": 0,
    "Region": 1,
    "RenewFlag": 1,
    "ResourceIds": "waf_2kuil2fm02vqm7z3_api",
    "Status": 1,
    "UsedNum": 0
  },
  "AppId": 87524381,
  "AttackLogPost": 1,
  "BandwidthStandard": 350,
  "BeginTime": "2021-09-17 16:35:25",
  "BillingItem": "sv_wsm_waf_package_enterprise_clb",
  "BotPkg": {
    "BeginTime": "2022-01-05 15:38:04",
    "BotCPWaf": 0,
    "BotNPWaf": 0,
    "EndTime": "2022-01-15 15:38:04",
    "InquireNum": 1,
    "IsBotTrial": 0,
    "Region": 1,
    "RenewFlag": 0,
```

```
"ResourceIds": "waf_2kuil2fm02vqm7z3_0_bot",
"Status": 1,
"Type": "sv_wsm_waf_scene_bot",
"UsedNum": 0
},
"BotQPS": {
"Count": 0,
"MaxBotQPS": 50,
"Region": "gz",
"RenewFlag": 0,
"ResourceIds": "waf_2kuil2fm02vqm7z3_0_botqps",
"ValidTime": "2024-11-01 15:27:23"
},
"DomainCount": 24,
"DomainPkg": {
"Count": 1,
"Region": "gz",
"RenewFlag": 0,
"ResourceIds": "waf_2kw60zgy0908e8j3_domain",
"ValidTime": "2024-11-01 15:27:23"
},
"Edition": "clb-waf",
"ElasticBilling": 2510000,
"FraudPkg": {
"BeginTime": "2024-06-19 19:22:59",
"EndTime": "2024-11-01 19:22:59",
"InquireNum": 5000,
"Region": 1,
"RenewFlag": 1,
"ResourceIds": "waf_2kuil2fm02vqm7z3_0_fraud",
"Status": 1,
"UsedNum": 37
},
"FreeDelayFlag": 0,
"HybridPkg": {
"BeginTime": "2023-09-29 11:16:20",
"EndTime": "2024-09-29 11:16:20",
"InquireNum": 1,
"Region": 1,
"RenewFlag": 0,
"ResourceIds": "waf_2kuil2fm02vqm7z3_0_hcn",
"Status": 0,
"UsedNum": 0
},
"InstanceId": "waf_2kuil2fm02vqm7z3",
"InstanceName": "gz-Default1",
"IsAPISecurityTrial": 0,
```

```
"LastQpsExceedTime": "2024-11-01 23:35:08",
"Level": 3,
"MainDomainCount": 6,
"MainDomainLimit": 13,
"MajorEventsPkg": {
  "BeginTime": "2024-05-16 16:57:16",
  "BillingItem": "sv_wsm_waf_scene_major_events_basic",
  "EndTime": "2024-08-16 16:57:16",
  "HWState": 3,
  "InquireNum": 1000,
  "Region": 1,
  "RenewFlag": 0,
  "ResourceIds": "waf_2kuil2fm02vqm7z3_0_major_events",
  "Status": 1,
  "UsedNum": 0
},
"MaxBandwidth": 52091,
"MaxQPS": 24,
"MiniExtendPkg": {
  "BeginTime": "2024-05-30 23:35:08",
  "BillingItem": "sv_wsm_waf_exp_exp",
  "Count": 1,
  "EndTime": "2024-11-01 23:35:08",
  "Region": 1,
  "RenewFlag": 1,
  "ResourceIds": "waf_2kuil2fm02vqm7z3_0_mini_extend",
  "Status": 1
},
"MiniMaxQPS": 0,
"MiniPkg": {
  "BeginTime": "2024-04-11 11:31:01",
  "BillingItem": "sv_wsm_waf_scene_mini",
  "Count": 5,
  "EndTime": "2024-11-01 11:31:01",
  "Region": 1,
  "RenewFlag": 1,
  "ResourceIds": "waf_2kuil2fm02vqm7z3_1_mini",
  "Status": 1
},
"MiniQpsStandard": 0,
"Mode": 0,
"PayMode": 1,
"QPS": {
  "BillingItem": "sv_wsm_waf_qps_ep_clb",
  "Count": 1000,
  "Region": "gz",
  "RenewFlag": 1,
```



```
"ResourceIds": "waf_2kuil2fm02vqm7z3_qps",
"ValidTime": "2024-11-18 21:22:10"
},
"QpsStandard": 11000,
"Region": "cd,cq,gz,bj",
"RenewFlag": 1,
"ResourceIds": "waf_2kuil2fm02vqm7z3",
"SandboxQps": 18000,
"Status": 0,
"SubDomainLimit": 130,
"ValidTime": "2024-11-28 16:35:25"
}
],
"RequestId": "d206a27c-2c9c-4ac8-a9e0-6cdf4703247c",
"Total": 2
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

Protection Settings APIs

AddAntiFakeUrl

Last updated : 2025-02-19 16:45:26

1. API Description

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

Add tamper-proof URL

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: AddAntiFakeUrl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Name	Yes	String	Name
Uri	Yes	String	uri

3. Output Parameters

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

4. Example

Example1 Adding a URI to an Anti-Tampering Rule (Success)

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=AddAntiFakeUrl
&Domain=www.test1.com
&Name=test
&Uri=http://www.test1.com/a1.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "ce58ce20-e508-4c68-9a55-18233f703e6f",
    "Result": "success"
  }
}
```

Example2 Add tamper-proof URL

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=AddAntiFakeUrl
&Domain=www.test.com
&Name=test
```

```
&Uri=http://zanyang.qcloudwaf.com/index.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "09f0ad6a-cca6-4652-9be0-723d474c2d84",
    "Result": "failure"
  }
}
```

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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr

LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr

AddAntiInfoLeakRules

Last updated : 2025-02-19 16:45:26

1. API Description

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

Add information leakage prevention rule

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: AddAntiInfoLeakRules.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Name	Yes	String	Rule name
ActionType	Yes	Integer	Actions: 0 (alarm), 1 (replace), 2 (only display the first four digits), 3 (only display the last four digits), 4 (block)

Strategies.N	Yes	Array of StrategyForAntiInfoLeak	Policy details
Uri	No	String	URL

3. Output Parameters

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

4. Example

Example1 Add information leakage prevention rule

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=AddAntiInfoLeakRules
&Domain=www.test1.com
&Name=test
&ActionType=1
&Strategies.0.Field=information
&Strategies.0.CompareFunc=contains
&Strategies.0.Content=idcard
&Uri=http://www.test1.com/123.txt
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "1a16a333-76ac-42f5-8066-c0ea93cc8dc7"
  }
}
```


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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr
UnsupportedOperation	The operation is not supported.

DeleteAntiFakeUrl

Last updated : 2025-02-19 16:45:25

1. API Description

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

Delete tamper-proof URL

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteAntiFakeUrl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Id	Yes	Integer	Id

3. Output Parameters

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

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

4. Example

Example1 Delete tamper-proof URL

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DeleteAntiFakeUrl
&Domain=www.test.com
&Id=123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "8c20d0a3-9539-4ef8-aea1-06b5ce29e0c9"
  }
}
```

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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
UnsupportedOperation	The operation is not supported.

DeleteSession

Last updated : 2025-02-19 16:45:25

1. API Description

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

Delete CC attack session settings

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteSession.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Edition	No	String	clb-waf or sparta-waf
SessionID	No	Integer	SessionID to be deleted

3. Output Parameters

Parameter Name	Type	Description
Data	String	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 Deleting the WAF Session Definition

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DeleteSession
&Domain=test.com
&Edition=clb-waf
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": "success",
    "RequestId": "0746a563-2597-43ec-8aaf-d3267b093efa"
  }
}
```

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
FailedOperation.SessionInUsed	The session being deleted is in use.
InternalError	Internal error.
InternalError.DBErr	DBErr
UnsupportedOperation	The operation is not supported.

DescribeAntiFakeRules

Last updated : 2025-02-19 16:45:24

1. API Description

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

Obtain a tamper-proof URL

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeAntiFakeRules.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Offset	Yes	Integer	Offset
Limit	Yes	Integer	Capacity
Filters.N	No	Array of FiltersItemNew	Filter array. A name can be one of the following values: RuleID, ParamName, Url, Action, Method, Source, and Status.

Order	No	String	asc or desc
By	No	String	Currently supports sorting by TS

3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number
Data	Array of CacheUrlItems	Returned value 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 Obtain a tamper-proof URL

Input Example

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

```
{
  "Domain": "abc",
  "Offset": 1,
  "Limit": 1,
  "Filters": [
    {
      "Name": "abc",
      "Values": [
        "abc"
      ]
    }
  ]
}
```

```
"ExactMatch": true
},
"Order": "abc",
"By": "abc"
}
```

Output Example

```
{
  "Response": {
    "Data": [],
    "RequestId": "08e8410d-6e80-4d1f-89ff-62669042369d",
    "Total": 0
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
UnsupportedOperation	The operation is not supported.

DescribeAntiInfoLeakageRules

Last updated : 2025-02-19 16:45:24

1. API Description

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

Obtain the information leakage prevention rule 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: DescribeAntiInfoLeakageRules.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Offset	No	Integer	Page turning support, read offset
Limit	No	Integer	Paging support, read length limit
Order	No	String	Sort method, asc or desc
Filters.N	No	Array of	Filter. The following values are allowed:

[FiltersItemNew](#)

RuleId,Match_field,Name,Action,Status

3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Number of records
RuleList	Array of DescribeAntiLeakageItem	List of rules
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtain the information leakage prevention rule list

Obtain the information leakage prevention rule list

Input Example

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

```
{
  "Domain": "www.testwaf.com",
  "Order": "Desc",
  "Limit": 1,
  "Filters": [
    {
      "Values": [
        "0"
      ],
      "Name": "Action",
```

```
"ExactMatch": true
}
],
"Offset": 1
}
```

Output Example

```
{
  "Response": {
    "Total": 1,
    "RequestId": "66ec4266-fce2-4238-bb69-8b99f3b19ad0",
    "RuleList": [
      {
        "Status": 1,
        "Name": "RuleName",
        "RuleId": 1,
        "Uri": "/url",
        "Action": "0",
        "Strategies": [
          {
            "Content": "180080",
            "Field": "information",
            "CompareFunc": "contains"
          }
        ],
        "CreateTime": "2022-10-26T16:31:43+08:00"
      }
    ]
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
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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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr

DescribeCCRule

Last updated : 2025-02-19 16:45:24

1. API Description

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

WAF CC V2 query 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: DescribeCCRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Offset	Yes	Integer	Page number
Limit	Yes	Integer	Number of pages
Sort	No	String	Sort parameters
Edition	No	String	clb-waf or sparta-waf

Name	No	String	Filter criteria.
------	----	--------	------------------

3. Output Parameters

Parameter Name	Type	Description
Data	CCRuleData	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 Obtaining a CC Prevention Rule with No Data Return

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeCCRule
&Domain=www.test.com
&Limit=10
&Offset=0
&Edition=clb-waf
&Sort=priority:1;ts_version:-1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": {
      "Res": [],
      "TotalCount": 0
    },
    "RequestId": "b22fc98c-6c4f-4716-b043-f11ccbffde70"
  }
}
```

Example2 Obtaining a CC Prevention Rule with Data Return

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeCCRule
&Domain=test.com
&Limit=10
&Offset=0
&Edition=clb-waf
&Sort=priority:1;ts_version:-1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": {
      "Res": [
        {
          "ActionType": 22,
          "Advance": 0,
          "Interval": 60,
          "Limit": 60,
          "MatchFunc": 0,
          "Name": "test1",
          "OptionsArr": "[{\"key\":\"get\",\"args\":[\"=\"]}]\"",
          "Priority": 50,
          "Status": 1,
          "TsVersion": 1579058116920,
          "Url": "///",
          "ValidTime": 600
        }
      ],
      "TotalCount": 1
    },
    "RequestId": "1cc54bf4-cfeb-40cc-a823-035e52106df9"
  }
}
```

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
InternalServerError	Internal error.

DescribeCCRuleList

Last updated : 2025-02-19 16:45:23

1. API Description

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

Query CC rules based on multiple conditions

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeCCRuleList.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name of the API to be queried
Offset	Yes	Integer	Offset
Limit	Yes	Integer	Capacity
By	Yes	String	Currently supports sorting by ts_version
Filters.N	No	Array of	Filter array. A name can be one of the following values: RuleID,

		FiltersItemNew	ParamName, Url, Action, Method, Source, and Status.
Order	No	String	asc or desc

3. Output Parameters

Parameter Name	Type	Description
Data	CCRuleLists	List of CC rules found 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 an API Security Rule Based on a URL

Input Example

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

```
{
  "Domain": "www.testwaf.com",
  "Limit": 1,
  "Filters": [
    {
      "Values": [
        "clb",
        "saas"
      ],
      "Name": "InstanceType",
      "ExactMatch": true
    }
  ]
}
```

```
}
],
"Offset": 1,
"By": "ts_version"
}
```

Output Example

```
{
  "Response": {
    "Data": {
      "Res": [
        {
          "ActionType": 22,
          "Advance": 0,
          "Interval": 60,
          "Limit": 60,
          "MatchFunc": 0,
          "Name": "ccRuleName",
          "Priority": 50,
          "Options": "[{\"key\": \"Post\", \"args\": [\"a2V5YQ=dmFsdWVh\"], \"match\": \"0\", \"encodeflag\": true}]",
          "Status": 1,
          "TsVersion": 1579058116920,
          "Url": "///",
          "ValidTime": 600,
          "RuleId": 1900009616,
          "EventId": "12983ac"
        }
      ],
      "TotalCount": 1
    },
    "RequestId": "1cc54bf4-cfeb-40cc-a823-035e52106df9"
  }
}
```

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	Internal error.
UnsupportedOperation	The operation is not supported.

DescribeCustomRuleList

Last updated : 2025-02-19 16:45:23

1. API Description

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

Obtain the access control policy list in the protection configuration

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeCustomRuleList.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Offset	Yes	Integer	Offset
Limit	Yes	Integer	Capacity
Filters.N	No	Array of FiltersItemNew	Filter array. A name can be one of the following: RuleID, RuleName, and Match.

Order	No	String	asc or desc
By	No	String	exp_ts or mod_ts
DomainList.N	No	Array of String	Domain name list to query. This parameter is not required on the access control page.

3. Output Parameters

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

4. Example

Example1 Obtaining the Access Control Rule List

Input Example

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

```
{
  "Domain": "test.qcloudwaf.com",
  "Limit": 1,
  "Filters": [
    {
```

```
"Values": [  
  "1234567890"  
],  
"Name": "RuleID",  
"ExactMatch": true  
}  
],  
"Offset": 1  
}
```

Output Example

```
{  
  "Response": {  
    "RequestId": "6a638b80-87db-458d-9dd8-461bb38d960a",  
    "RuleList": [  
      {  
        "ActionType": "1",  
        "Bypass": "cc",  
        "CreateTime": "2024-07-29T18:55:42+08:00",  
        "ExpireTime": "0",  
        "Name": "rulename",  
        "Redirect": "/redirect_url",  
        "RuleId": "1101205922",  
        "SortId": "50",  
        "Status": "1",  
        "Strategies": [  
          {  
            "Field": "COOKIE",  
            "CompareFunc": "eq",  
            "Content": "cookie_value",  
            "Arg": "cookie_key",  
            "CaseNotSensitive": 0  
          }  
        ],  
        "EventId": "1101",  
        "ValidStatus": 1,  
        "ModifyTime": "2024-08-28T18:54:25+08:00",  
        "Source": "custom",  
        "JobType": "TimedJob",  
        "JobDateTime": {  
          "Timed": [  
            {  
              "StartDateTime": 0,  
              "EndDateTime": 0  
            }  
          ]  
        }  
      }  
    ]  
  }  
}
```

```
],
  "Cron": [],
  "TimeTzZone": "UTC+8",
},
"CronType": "week",
"Label": "label",
"PageId": "1101",
"Domain": "www.testwaf.com"
}
],
"TotalCount": "1"
}
}
```

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
InternalServerError	Internal error.

InternalError.DBErr	DBErr
InvalidParameter	Parameter error.
UnsupportedOperation	The operation is not supported.

DescribeCustomWhiteRule

Last updated : 2025-02-19 16:45:22

1. API Description

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

Obtain the precision allowlist policy list in the protection configuration

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeCustomWhiteRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Offset	Yes	Integer	Offset.
Limit	Yes	Integer	Capacity
Filters.N	No	Array of FiltersItemNew	Filter array. A name can be one of the following: RuleID, RuleName, and Match.

Order	No	String	asc or desc
By	No	String	exp_ts or mod_ts

3. Output Parameters

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

4. Example

Example1 Obtaining the List of Precise Allowlist Rules

Input Example

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

```
{
  "Domain": "test.qcloudwaf.com",
  "Limit": 1,
  "Filters": [
    {
      "Values": [
        "1234567890"
      ],

```

```
"Name": "RuleID",
"ExactMatch": true
},
"Offset": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "5d207f4f-0d41-4f5d-bce2-0320090c98d8",
    "RuleList": [
      {
        "EventId": "1101",
        "ActionType": "1",
        "Bypass": "geoip,cc,owasp,ai,antileakage",
        "CreateTime": "2020-02-20 14:00:12",
        "ExpireTime": "0",
        "Name": "rulename",
        "Redirect": "/redirect_url",
        "RuleId": "17958569",
        "SortId": "100",
        "Status": "1",
        "Strategies": [
          {
            "Arg": "cookie_key",
            "CompareFunc": "eq",
            "Content": "cookie_value",
            "Field": "COOKIE"
          }
        ]
      }
    ],
    "TotalCount": "1"
  }
}
```

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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
InvalidParameter	Parameter error.
UnsupportedOperation	The operation is not supported.

DescribeDomainVerifyResult

Last updated : 2025-02-19 16:45:22

1. API Description

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

Obtain the result of adding domain operation

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainVerifyResult.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
InstanceId	Yes	String	Instance ID

3. Output Parameters

--	--	--

Parameter Name	Type	Description
Msg	String	Result description: if possible, return an empty string
VerifyCode	Integer	Inspection status. 0 indicates that it can be added; greater than 0 indicates that it cannot be added.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtaining Verification Results for Domain Name Addition

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeDomainVerifyResult
&Domain=test1.qcloud.com
&InstanceID=aaaaa
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Msg": "success",
    "VerifyCode": 1,
    "RequestId": "304cb36f-772a-4fdb-9b25-212d8fe5a553"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
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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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
ResourceInUse	Resources are occupied.

DescribeModuleStatus

Last updated : 2025-02-19 16:45:21

1. API Description

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

Query the switch status of each WAF basic security module, check if each module is enabled

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeModuleStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain to query status

3. Output Parameters

Parameter Name	Type	Description

WebSecurity	Integer	Whether web security rules are enabled
AccessControl	Integer	Whether access control rule is enabled
CcProtection	Integer	Whether CC protection is enabled.
AntiTamper	Integer	Whether web tamper-proof is enabled
AntiLeakage	Integer	Whether information leakage prevention is enabled
ApiProtection	Integer	Whether API security is enabled
RateLimit	Integer	Traffic limiting module switch
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 Enabling Status of the Basic Security Module for a Domain

Input Example

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

```
{
  "Domain": "test.qcloudwaf.com"
}
```

Output Example

```
{
  "Response": {
    "AccessControl": 1,
    "AntiLeakage": 1,
    "WebSecurity": 1,
    "ApiProtection": 1,
    "CcProtection": 1,
```

```
"AntiTamper": 1,  
"RequestId": "46757c6e-786c-48ca-b5c4-9fa29ece1c9e"  
}  
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
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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
FailedOperation.MongoOperationFailed	Failed to operate the MongoDB database.
InternalError	Internal error.
UnsupportedOperation	The operation is not supported.

DescribeObjects

Last updated : 2025-02-19 16:45:21

1. API Description

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

View protected object 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: DescribeObjects.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Filters.N	No	Array of FiltersItemNew	Supported filters: ObjectId: CLB instance ID VIP: public IP address of the CLB instance Instanceld: WAF instance ID Domain: precise domain name Status: WAF protection switch status. 0: disabled; 1: enabled ClsStatus: WAF log switch. 0: disabled; 1: enabled

3. Output Parameters

Parameter Name	Type	Description
ClbObjects	Array of ClbObject	Object 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 Viewing the Object List

Input Example

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

```
{
  "Filters": [
    {
      "Name": "abc",
      "Values": [
        "abc"
      ],
      "ExactMatch": true
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "ClbObjects": [
```



```
{
  "ApiStatus": 0,
  "BotStatus": 0,
  "ClsStatus": 0,
  "InstanceId": "waf_2kuil2ft02vqm7z3",
  "InstanceLevel": 3,
  "InstanceName": "gz-Default1",
  "IpHeaders": [
    "spheader",
    "myheader"
  ],
  "NumericalVpcId": -1,
  "ObjectFlowMode": 1,
  "ObjectId": "lb-70mdt3it",
  "ObjectName": "zunhua-multi-test_pjk1",
  "PostCKafkaStatus": 0,
  "PostCLSStatus": 0,
  "PreciseDomains": [],
  "PrivateIp": [
    "121.123.11.7"
  ],
  "Proxy": 3,
  "PublicIp": [
    "139.186.100.71"
  ],
  "Region": "ap-chongqing",
  "Status": 1,
  "Type": "CLB",
  "VirtualDomain": "lb-70mdt3it.clb-default.qcloudwaf.com",
  "Vpc": "vpc-jl1cw1e9",
  "VpcName": "Default-VPC"
}
],
"RequestId": "6ceb784e-b440-4cac-81ee-0b87ffe81e6f"
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeRuleLimit

Last updated : 2025-02-19 16:45:21

1. API Description

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

Obtain specific specification limits for each module

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRuleLimit.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
InstanceId	No	String	Instance ID

3. Output Parameters

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

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

4. Example

Example1 DescribeRuleLimit

Input Example

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

```
{
  "Domain": "test.qcloudwaf.com"
}
```

Output Example

```
{
  "Response": {
    "Res": {
      "CC": 0,
      "CustomRule": 0,
      "IPControl": 0,
      "AntiLeak": 0,
      "AntiTamper": 0,
      "AutoCC": 0,
      "AreaBan": 0,
      "CCSession": 0,
      "AI": 0,
      "CustomWhite": 0
    },
    "RequestId": "123"
```

```
}  
}
```

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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
InvalidParameter	Parameter error.

DescribeSession

Last updated : 2025-02-19 16:45:20

1. API Description

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

WAF session definition query 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: DescribeSession.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Edition	No	String	clb-waf or sparta-waf

3. Output Parameters

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

Name		
Data	SessionData	Returned 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 WAF session definition query API

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeSession
&Domain=test.com
&Edition=clb-waf
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": {
      "Res": [
        {
          "SessionId": 2000003356,
          "SessionName": "test-session",
          "Category": "match",
          "KeyOrStartMat": "PHPSESSID=",
          "EndMat": ";",
          "StartOffset": "-1",
          "EndOffset": "-1",
          "Source": "cookie",
          "TsVersion": "1727147589924",
          "SessionInUsed": false,
          "RelatedRuleID": []
        }
      ]
    },
    "RequestId": "88d80896-a330-4a7f-a72f-f5175a20ebcc"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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	Internal error.
UnsupportedOperation	The operation is not supported.

DescribeSpartaProtectionInfo

Last updated : 2025-02-19 16:45:20

1. API Description

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

WAF Sparta - Obtain protection domain 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: DescribeSpartaProtectionInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Edition	No	String	Version
InstanceId	No	String	Instance

3. Output Parameters

Parameter Name	Type	Description
Domain	String	Domain name
DomainId	String	Domain ID
Cname	String	CNAME value
Status	String	Status
SrcList	Array of String	Source IP address list
CertType	String	Certificate type
Cert	String	Certificate
PrivateKey	String	Private key
Sslid	String	SSL ID
IsCdn	String	Whether it is a CDN
GrayAreas	Array of String	Grayscale area list
Engine	String	Engine
HttpsRewrite	String	HTTPS rewriting
UpstreamType	String	upstreamType value
UpstreamDomain	String	Value of upstreamDomain
UpstreamScheme	String	Value of upstreamScheme
IsHttp2	String	Whether it is HTTP2.
IsWebsocket	String	Whether it includes WebSocket
LoadBalance	String	LoadBalance information
HttpsUpstreamPort	String	Value of httpsUpstreamPort
Ports	Array of PortItem	Port information
IsGray	String	Whether it is grayscale

Mode	String	Mode
Level	String	Defense level: 100, 200, 300
IsKeepAlive	String	Whether to maintain a long connection with the origin server
Anycast	String	0: BGP; 1: Anycast. 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 WAF Sparta - Obtain protection domain information

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeSpartaProtectionInfo
&Domain=www.test1.com
&Edition=sprata-waf
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Cert": "certInfo",
    "CertType": "1",
    "Cname": "test.cname",
    "Domain": "www.test1.com",
    "DomainId": "mjhkiuy10ma",
    "Engine": "1",
    "GrayAreas": [
      "n"
    ],
    "HttpsRewrite": "0",
    "HttpsUpstreamPort": "0",
    "IsCdn": "0",
    "IsGray": "0",
    "IsHttp2": "0",
    "IsWebsocket": "0",
```

```
"LoadBalance": "0",
"Mode": "1",
"Ports": [],
"PrivateKey": "privatekeyvalue",
"RequestId": "1548ac10-3e48-4cee-b71b-fc1071421761",
"SrcList": [
  "1.1.1.1"
],
"Sslid": "sslid",
"Status": "2",
"UpstreamDomain": "upstreamDomain",
"UpstreamScheme": "http",
"UpstreamType": "0",
"Level": "200",
"IsKeepAlive": "1",
"Anycast": "1"
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.

DescribeUserLevel

Last updated : 2025-02-19 16:45:19

1. API Description

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

Obtain the user protection rule level

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeUserLevel.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name

3. Output Parameters

Parameter Name	Type	Description

Level	Integer	300: Normal, 400: Strict
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Example

Input Example

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

{
  "Domain": ""
}
```

Output Example

```
{
  "Response": {
    "RequestId": "a4010dd1-d24b-43f5-bab4-8a6b204835b7",
    "Level": 300
  }
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
MissingParameter	Parameters are missing
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

ModifyAntiFakeUrl

Last updated : 2025-02-19 16:45:19

1. API Description

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

Edit a tamper-proof URL

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyAntiFakeUrl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Name	Yes	String	Name
Uri	Yes	String	uri
Id	Yes	Integer	ID

3. Output Parameters

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

4. Example

Example1 Edit a tamper-proof URL

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyAntiFakeUrl
&Domain=www.test.com
&Name=test
&Uri=http://zanyang.qcloudwaf.com/index.html
&Id=123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "32e5e790-5999-4aa6-a3cb-34ed4c570d14",
    "Result": "success"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.

ModifyAntiInfoLeakRuleStatus

Last updated : 2025-02-19 16:45:18

1. API Description

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

Information leakage prevention toggle rule switch

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyAntiInfoLeakRuleStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
RuleId	Yes	Integer	Rule
Status	Yes	Integer	Status

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 Information leakage prevention toggle rule switch

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyAntiInfoLeakRuleStatus
&Domain=www.test.com
&RuleId=123
&Status=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "800f0a0c-6f8b-409a-af67-ccd12354e8f4"
  }
}
```

5. Developer Resources

SDK

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

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

- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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	Internal error.

ModifyAntiInfoLeakRules

Last updated : 2025-02-19 16:45:18

1. API Description

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

Edit an information leakage prevention rule

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyAntiInfoLeakRules.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
RuleId	Yes	Integer	Rule ID
Name	Yes	String	Rule name
Domain	Yes	String	Domain name
ActionType	Yes	Integer	Action value

Strategies.N	Yes	Array of StrategyForAntiInfoLeak	Policy array
--------------	-----	--	--------------

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 Edit an information leakage prevention rule

Edit an information leakage prevention rule

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyAntiInfoLeakRules
&RuleId=167
&Name=test1
&Domain=www.test1.com
&ActionType=0
&Strategies.0.Field=information
&Strategies.0.CompareFunc=contains
&Strategies.0.Content=phone
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "640e40da-d57a-4402-8e3d-39c5bed8add"
  }
}
```

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
InternalServerError	Internal error.

ModifyCustomRule

Last updated : 2025-02-19 16:45:18

1. API Description

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

This API is used to edit a custom rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyCustomRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Edited domain
RuleId	Yes	Integer	Edited rule ID
RuleName	Yes	String	Edited rule name
RuleAction	Yes	String	Executed actions: 0-allow, 1-block, 2-CAPTCHA, 3-observe, 4-redirect

Strategies.N	Yes	Array of Strategy	Matching condition array
Edition	No	String	Version of WAF. clb-waf indicates CLB WAF; sparta-waf indicates SaaS WAF. sparta-waf by default.
Redirect	No	String	Redirected URL when action is set to redirect, / by default
Bypass	No	String	Whether to continue executing other check logic upon allowing. geoip: continue region blocking protection; cc: continue CC policy protection; owasp: continue web application protection; ai: continue AI engine protection; antileakage: continue information leakage prevention. If multiple values are entered, separate them with commas (,). The default value is "geoip,cc,owasp,ai,antileakage".
SortId	No	Integer	Priority, an integer from 1 to 100. The smaller the number, the higher the execution priority of this rule. The default value is 100.
ExpireTime	No	Integer	Rule expiration deadline: 0 - permanently effective; other values correspond to the timestamp of the specified time. The default value is 0.
JobType	No	String	Scheduled task type
JobDateTime	No	JobDateTime	Scheduled task configuration
Source	No	String	Rule source. This parameter checks whether the rule source is mini program.
Status	No	Integer	Enabling status. Pass the value for rules of mini program risk control.
Pageld	No	String	ID of the blocked page

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message

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

4. Example

Example1 Editing a Custom Rule

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyCustomRule
&Edition=clb-waf
&Domain=hfut.qcloud.com
&RuleId=17958569
&RuleName=test
&RuleAction=1
&Redirect=/
&Bypass=geoip,cc,owasp,ai,antileakage
&SortId=100
&ExpireTime=0
&Strategies.0.Field=IP
&Strategies.0.CompareFunc=ipmatch
&Strategies.0.Content=1.1.1.2
&Strategies.0.Arg=""
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "a713f4cf-51ef-437f-8467-d4fdec061b78",
    "Success": {
      "Code": "Success",
      "Message": "Success"
    }
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InternalError.DBErr	DBErr
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.

ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

ModifyCustomRuleStatus

Last updated : 2025-02-19 16:45:17

1. API Description

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

Enable or disable access control (from custom 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: ModifyCustomRuleStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
RuleId	Yes	Integer	Rule ID
Status	Yes	Integer	Status of the switch: 1 is On, 0 is Off
Edition	No	String	Version of WAF. clb-waf indicates CLB WAF; sparta-waf indicates SaaS WAF. sparta-waf by default.

DomainRuleIdList.N	No	Array of DomainRuleId	Rule ID
--------------------	----	--	---------

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Switching the Custom Rule

This example shows you how to switch the custom rule.

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyCustomRuleStatus
&Domain="test.qcloud.com"
&RuleId=12
&Status=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "1c30f037-a684-4d5b-b0a8-0bc0acc668d1",
    "Success": {
      "Message": "Success",
      "Code": "Success"
    }
  }
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
UnsupportedOperation	The operation is not supported.

ModifyCustomWhiteRule

Last updated : 2025-02-19 16:45:17

1. API Description

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

This API is used to edit a precise allowlist.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyCustomWhiteRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Edited domain
RuleId	Yes	Integer	Edited rule ID
RuleName	Yes	String	Edited rule name
Bypass	Yes	String	Whether to continue executing other check logics when bypassing, continue executing regional ban protection - geoip; continue executing CC policy protection - cc; continue

			executing WEB application protection: owasp; continue executing AI engine protection - ai; continue executing information leakage protection - antileakage. If multiple items are selected, concatenate with commas (,).
SortId	Yes	Integer	Priority, an integer from 1 to 100. The smaller the number, the higher the execution priority of this rule.
ExpireTime	Yes	Integer	Rule expiration deadline: 0 - permanently effective; other values correspond to the timestamp of the specified time.
Strategies.N	Yes	Array of Strategy	Matching condition array
JobType	No	String	Scheduled task type
JobDateTime	No	JobDateTime	Scheduled task configuration

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Editing a Precise Allowlist Rule

Input Example

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

```
{
  "RuleId": 1100000001,
  "Domain": "waf.intl.tencentcloudapi.com",
  "RuleName": "test",
  "Bypass": "cc",
  "SortId": 100,
  "ExpireTime": 123456,
  "Strategies": [
    {
      "Field": "COOKIE",
      "CompareFunc": "eq",
      "Content": "abc",
      "Arg": ""
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "5d207f4f-0d41-4f5d-bce2-0320090c98d8",
    "Success": {
      "Message": "Success",
      "Code": "Success"
    }
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 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 .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
InvalidParameter	Parameter error.
UnsupportedOperation	The operation is not supported.

ModifyCustomWhiteRuleStatus

Last updated : 2025-02-19 16:45:16

1. API Description

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

Enable or disable a precision allowlist

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyCustomWhiteRuleStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
RuleId	Yes	Integer	Rule ID
Status	Yes	Integer	Status of the switch: 1 is On, 0 is Off

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling or Disabling a Precise Allowlist Rule

Input Example

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

```
{
  "RuleId": 1100000001,
  "Domain": "waf.intl.tencentcloudapi.com",
  "Status": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "5d207f4f-0d41-4f5d-bce2-0320090c98d8",
    "Success": {
      "Message": "Success",
      "Code": "Success"
    }
  }
}
```

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
InternalServerError	Internal error.
InvalidParameter	Parameter error.
UnsupportedOperation	The operation is not supported.

ModifyModuleStatus

Last updated : 2025-02-19 16:45:16

1. API Description

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

Set the switch for the basic security module under a certain domain

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyModuleStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain to be set
WebSecurity	Yes	Integer	Enabling status of the web security module. The value is 0 or 1.
AccessControl	Yes	Integer	Access control module switch: 0 or 1
CcProtection	Yes	Integer	CC module switch, 0 or 1
ApiProtection	Yes	Integer	API security module switch, 0 or 1

AntiTamper	No	Integer	Tamper-proof module switch: 0 or 1
AntiLeakage	No	Integer	Leakage prevention module switch: 0 or 1
RateLimit	No	Integer	Traffic limiting module switch: 0 or 1

3. Output Parameters

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

4. Example

Example1 Modifying the Module Status

Input Example

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

```
{
  "Domain": "zjm.qcloudwaf.com",
  "WebSecurity": 1,
  "AccessControl": 1,
  "CcProtection": 1,
  "AntiTamper": 1,
  "AntiLeakage": 1,
  "ApiProtection": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "46757c6e-786c-48ca-b5c4-9fa29ece1c9e"
  }
}
```

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	Internal error.

ModifyObject

Last updated : 2025-03-11 23:19:56

1. API Description

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

Modify protection object

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyObject.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ObjectId	Yes	String	Modifies the object identifier
OpType	Yes	String	Action type. Status: change enabling status; InstanceId: bind to an instance; Proxy: set the proxy status.
Status	No	Integer	New WAF switch status, considered successful if identical to existing status
InstanceId	No	String	New instance ID: considered a successful modification if identical to an already bound instance

Proxy	No	Integer	Whether to enable proxy. 0: do not enable; 1: use the first IP address in XFF as the client IP address; 2: use remote_addr as the client IP address; 3: obtain the client IP address from the specified header field that is given in IpHeaders. (This value is effective when OpType is set to Status or Proxy.)
IpHeaders.N	No	Array of String	This parameter indicates a custom header and is required when IsCdn is set to 3. (The value is effective when OpType is set to Status or Proxy.)

3. Output Parameters

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

4. Example

Example1 Modifying a Protection Object

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyObject
<common request parameters>

{
  "ObjectId": "lb-vsfl3vzg",
  "Status": 0,
  "InstanceId": "waf_vxj234vxcfnm",
  "OpType": "Status",
  "Proxy": 1,
  "IpHeaders": []
}
```

Output Example

```
{
  "Response": {
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

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](#)
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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	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError.DBErr	DBErr
LimitExceeded	The quota limit is exceeded.
ResourceNotFound	Resources do not exist.

ModifyProtectionStatus

Last updated : 2025-03-11 23:19:56

1. API Description

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

This API is used to obtain the enabling status of the basic security protection module of WAF.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyProtectionStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Status	Yes	Integer	Status
Edition	No	String	Version of WAF. clb-waf indicates CLB WAF; sparta-waf indicates SaaS WAF. sparta-waf by default.

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 Disabling the WAF Feature

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyProtectionStatus
&Domain=www.test.com
&Status=0
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "d680b87a-8c4a-4840-af18-3acb5c9f0e54"
  }
}
```

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
InternalError	Internal error.
LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr
UnsupportedOperation	The operation is not supported.

ModifySpartaProtectionMode

Last updated : 2025-03-11 23:19:55

1. API Description

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

Set WAF protection status

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifySpartaProtectionMode.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Mode	Yes	Integer	Protection status: 10: rule-based observation and AI disabling; 11: rule- and AI-based observation; 12: rule-based observation and AI-based interception 20: rule-based interception and AI disabling; 21: rule-based interception and AI-based observation; 22: rule- and AI-based interception
Edition	No	String	Version of WAF. clb-waf indicates CLB WAF; sparta-waf indicates SaaS

			WAF. sparta-waf by default.
Type	No	Integer	0 is for modifying the Rule Engine Status; 1 is for modifying the AI Status

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 newEx

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifySpartaProtectionMode
<common request parameters>

{
  "Edition": "",
  "Domain": "why.qcloudwaf1234.com",
  "Type": "1",
  "Mode": "10"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "7b393885-aaf2-463d-a70c-4500999d7c3f"
  }
}
```

Example2 Setting the Domain Name Protection Status

Input Example

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

{
  "Domain": "xx",
  "Mode": 21,
  "Edition": "sparta-waf"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "225e3456-c296-475d-9338-b055667e6c85"
  }
}
```

Example3 Setting the Domain Name Protection Status (Failure)

Input Example

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

{
  "Domain": "xx",
  "Mode": 21,
  "Edition": "sparta-waf"
}
```

Output Example

```
{
  "Response": {
    "Error": {
      "Code": "InternalServerError",
      "Message": "Invalid mode."
    },
    "RequestId": "8bc47086-2922-4bfb-b154-db325abc1a28"
  }
}
```

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr

InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

ModifyUserLevel

Last updated : 2025-02-19 16:45:14

1. API Description

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

Modify the user protection rule level

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyUserLevel.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Level	Yes	Integer	Protection rule level: 300=standard, 400=extended

3. Output Parameters

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

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

4. Example

Example1 Query Example

Input Example

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

```
{
  "Domain": "",
  "Level": 300
}
```

Output Example

```
{
  "Response": {
    "RequestId": "a4010dd1-d24b-43f5-bab4-8a6b204835b7"
  }
}
```

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
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
MissingParameter	Parameters are missing
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

ModifyUserSignatureRule

Last updated : 2025-02-19 16:45:13

1. API Description

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

Modify user protection rules, turn on/off specific rules

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyUserSignatureRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
MainClassID	No	String	Main class ID
Status	No	Integer	Main class switch 0=off, 1=on, 2=alarm only
RuleID.N	No	Array of ReqUserRule	List of rules issued for modification

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 Example

Input Example

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

```
{
  "Status": 0,
  "Domain": "",
  "MainClassID": "",
  "RuleID": [
    {
      "Status": 0,
      "Reason": 0,
      "Id": ""
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "a4010dd1-d24b-43f5-bab4-8a6b204835b7"
  }
}
```

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 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
AuthFailure	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
MissingParameter	Parameters are missing

UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

SwitchElasticMode

Last updated : 2025-02-19 16:45:13

1. API Description

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

Toggle elasticity switch

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: SwitchElasticMode.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Edition	Yes	String	Version, can only be sparta-waf, clb-waf, or cdn-waf
Mode	Yes	Integer	0 indicates Off; 1 indicates On
InstanceId	No	String	Instance ID

3. Output Parameters

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

4. Example

Example1 Toggle elasticity switch

Toggle elasticity switch

Input Example

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

```
{
  "Edition": "clb-waf",
  "Mode": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "123894afsa90577"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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	Internal error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing

Other APIs

AddCustomWhiteRule

Last updated : 2025-02-19 16:45:37

1. API Description

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

Add precision allowlist rules

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: AddCustomWhiteRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Name	Yes	String	Rule name
SortId	Yes	String	Priority
ExpireTime	Yes	String	Expiration time
Strategies.N	Yes	Array of	Policy details

		Strategy	
Domain	Yes	String	Domain name for adding policy
Bypass	Yes	String	Details of release
JobType	No	String	Scheduled task type
JobDateTime	No	JobDateTime	Scheduled task configuration

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed.
RuleId	Integer	Successfully added rule ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Add precision allowlist rules

Input Example

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

```
{
```

```
"Name": "test",
"SortId": "100",
"ExpireTime": "",
"Domain": "waf.intl.tencentcloudapi.com",
"Bypass": "",
"Strategies": [
{
"Field": "COOKIE",
"CompareFunc": "eq",
"Content": "abc",
"Arg": ""
}
]
```

Output Example

```
{
"Response": {
"RequestId": "5d207f4f-0d41-4f5d-bce2-0320090c98d8",
"RuleId": 7025,
"Success": {
"Message": "Success",
"Code": "Success"
}
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr
UnsupportedOperation	The operation is not supported.

DeleteAntiInfoLeakRule

Last updated : 2025-02-19 16:45:37

1. API Description

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

Delete information leakage prevention rule

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteAntiInfoLeakRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
RuleId	Yes	Integer	Rule ID

3. Output Parameters

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

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

4. Example

Example1 Delete information leakage prevention rule

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DeleteAntiInfoLeakRule
&Domain=www.test.com
&RuleId=123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "36809618-b248-46fc-9513-0ecf86675215"
  }
}
```

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr

DeleteCCRule

Last updated : 2025-02-19 16:45:36

1. API Description

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

WAF CC V2 deletion 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: DeleteCCRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Name	Yes	String	Rule name
Edition	No	String	clb-waf or sparta-waf
RuleId	No	Integer	Rule ID

3. Output Parameters

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

4. Example

Example1 WAF CC V2 deletion API

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DeleteCCRule
&Domain=test.com
&Name=test
&Edition=clb-waf
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": "success",
    "RequestId": "d29f2d93-b894-4c04-b047-ea6470bc0acd"
  }
}
```

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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr
UnsupportedOperation	The operation is not supported.

DeleteCustomRule

Last updated : 2025-02-19 16:45:36

1. API Description

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

Delete custom rule

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteCustomRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Deleted domain
RuleId	Yes	String	Deleted rule ID
Edition	No	String	Version of WAF. clb-waf indicates CLB WAF; sparta-waf indicates SaaS WAF. sparta-waf by default.
DomainRuleIdList.N	No	Array of DomainRuleId	List of rules to be deleted in batches

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Specified Custom Rule

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DeleteCustomRule
&Domain=www.test.com
&Edition=clb-waf
&RuleId=501
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "26b0ac84-cb08-49d2-9899-4206d1849a41",
    "Success": {
      "Code": "Success",
      "Message": "Success"
    }
  }
}
```

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
UnsupportedOperation	The operation is not supported.

DeleteCustomWhiteRule

Last updated : 2025-02-19 16:45:35

1. API Description

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

Delete precision allowlist rules

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteCustomWhiteRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Deleted domain
RuleId	Yes	Integer	Deleted rule ID

3. Output Parameters

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

Name		
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Specified Precise Allowlist Rule

Input Example

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

{
  "RuleId": 1100000001,
  "Domain": "waf.intl.tencentcloudapi.com"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "5d207f4f-0d41-4f5d-bce2-0320090c98d8",
    "Success": {
      "Message": "Success",
      "Code": "Success"
    }
  }
}
```

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
InternalServerError	Internal error.
InvalidParameter	Parameter error.
UnsupportedOperation	The operation is not supported.

DescribeDomainCountInfo

Last updated : 2025-02-19 16:45:35

1. API Description

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

Obtain domain overview

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainCountInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.

3. Output Parameters

Parameter Name	Type	Description
AllDomain	Integer	Total number of domain names

UpdateTime	String	Last discovery time
WafDomainCount	Integer	Total number of connected domains
LeftDomainCount	Integer	Remaining quota
OpenWafDomain	Integer	Number of protected domain names
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtain domain overview

Input Example

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

{ }
```

Output Example

```
{
  "Response": {
    "RequestId": "b4f13899-561b-46a0-a045-6ba6b72c38f2",
    "AllDomain": 337,
    "UpdateTime": "2024-11-01 00:00:00",
    "WafDomainCount": 337,
    "LeftDomainCount": 0,
    "OpenWafDomain": 226
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing

OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

DescribeFindDomainList

Last updated : 2025-02-19 16:45:34

1. API Description

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

Obtain discovered domain name list 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: DescribeFindDomainList.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Offset	Yes	Integer	Pagination
Limit	Yes	Integer	Capacity per page
Key	Yes	String	Filter criteria.
IsWafDomain	Yes	String	Whether to access WAF
By	No	String	Sort parameters

Order	No	String	Sorting method
-------	----	--------	----------------

3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number of domain names
List	Array of FindAllDomainDetail	Domain information 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 Obtain discovered domain name list API

Input Example

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

```
{
  "Offset": 2,
  "Limit": 5,
  "Key": "",
  "IsWafDomain": ""
}
```

Output Example

```
{
  "Response": {
    "Total": 9,
    "RequestId": "b4f13899-561b-46a0-a045-6ba6b72c38f2",
    "List": [
      {
        "Appid": 251000001,
        "Domain": "lucasssli3.qcloudwaf.com",
        "Ips": [
          "159.75.189.237"
        ],
        "FindTime": "20210729",
        "InstanceId": "waf_0000000001",
        "DomainId": "waf-oV8zE3WP",
        "Edition": "clb-waf",
        "IsWafDomain": 1
      },
      {
        "Appid": 251000001,
        "Domain": "wwwtX.qcloudwaf.com",
        "Ips": [
          "159.75.189.237"
        ],
        "FindTime": "20210730",
        "InstanceId": "waf_2kuil2fm02vqm7t5",
        "DomainId": "waf-KsC0pPCo",
        "Edition": "clb-waf",
        "IsWafDomain": 1
      },
      {
        "Appid": 251000001,
        "Domain": "0613.qcloudwaf.com",
        "Ips": [
          "119.29.47.251"
        ],
        "FindTime": "20210730",
        "InstanceId": "waf_2kuil2fm02vqm7t5",
        "DomainId": "waf_mfhvyos1",
        "Edition": "clb-waf",
        "IsWafDomain": 0
      },
      {
        "Appid": 251000001,
        "Domain": "txwaf.qcloudwaf.com",
        "Ips": [
          "159.75.189.237"
        ]
      }
    ]
  }
}
```

```
],
"FindTime": "20210730",
"InstanceId": "waf_2kuil2fm02fsdm1",
"DomainId": "waf_vlsdf123m",
"Edition": "sparta-waf",
"IsWafDomain": 0
}
]
}
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.

FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

DescribeHost

Last updated : 2025-03-11 23:19:57

1. API Description

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

Obtain protection domain details in CLB-WAF

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeHost.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Domain	Yes	String	Domain name
DomainId	Yes	String	Domain ID
InstanceId	No	String	Instance ID

3. Output Parameters

--	--	--

Parameter Name	Type	Description
Host	HostRecord	Domain name 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 Obtaining Protected Domain Name Details

Input Example

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

```
{
  "InstanceID": "",
  "Domain": "",
  "DomainId": ""
}
```

Output Example

```
{
  "Response": {
    "Host": {
      "AlbType": "clb",
      "CdcClusters": [
        "cluster-o41khj88"
      ],
      "CloudType": "public",
      "ClsStatus": 1,
      "Domain": "txcloudwaf.qcloudwaf.com",
      "DomainId": "waf-DhOzNw3D",
      "Edition": "clb-waf",
      "Engine": 1,

```

```
"EngineType": 0,
"FlowMode": 1,
"IpHeaders": [
  "x-myreal-ip"
],
"IsCdn": 1,
"Level": 1,
"LoadBalancerSet": [
  {
    "ListenerId": "lb1-daskhe2",
    "ListenerName": "80httpport",
    "LoadBalancerId": "lb-daiu3grtd",
    "LoadBalancerName": "txlb",
    "LoadBalancerType": "open",
    "NumericalVpcId": 3243,
    "Protocol": "http",
    "Region": "gz",
    "Vip": "35.68.12.3",
    "Vport": 1,
    "Zone": "ap-guangzhou"
  }
],
"MainDomain": "qcloudwaf.com",
"Mode": 1,
"Note": "Remarks",
"Region": "gz",
"State": 1,
"Status": 1
},
"RequestId": "0ed6569e-f9b5-418d-8338-63eda4f2c0f7"
}
```

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
FailedOperation	Operation failed.
InternalServerError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

DescribeHosts

Last updated : 2025-03-11 23:19:57

1. API Description

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

Obtain protection domain list in CLB-WAF

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeHosts.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Domain	No	String	Protection domain. If a specific protection domain is to be queried, this parameter should be input. It requires an accurate domain and does not support fuzzy search.
DomainId	No	String	Protection domain ID. If it is to query a specific protection domain, this parameter is input, requiring the accurate domain ID. This parameter does not support fuzzy search.
Search	No	String	Searching criteria, fuzzy search on domain based on this parameter
Item	No	SearchItem	Complex search criteria

InstanceId	No	String	Instance ID
------------	----	--------	-------------

3. Output Parameters

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

4. Example

Example1 Obtaining the List of Protected Domain Names

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeHosts
&Domain=www.qcloudwaf.com
&DomainId=waf-u23yt9Hj
&Search=aaaa
&InstanceId=aaaa
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "HostList": [
      {
        "AlbType": "clb",
        "CdcClusters": [],
        "CloudType": "public",
        "ClsStatus": 1,
        "Domain": "txwaf.qcloudwaf.com",
```

```
"DomainId": "waf-u23yt9Hj",
"Edition": "clb-waf",
"Engine": 1,
"EngineType": 0,
"FlowMode": 1,
"IpHeaders": [
  "x-real-ip"
],
"IsCdn": 1,
"Level": 1,
"LoadBalancerSet": [
  {
    "ListenerId": "lb1-das32q",
    "ListenerName": "80http",
    "LoadBalancerId": "lb-ads3adsa",
    "LoadBalancerName": "80http",
    "LoadBalancerType": "open",
    "NumericalVpcId": 54352,
    "Protocol": "http",
    "Region": "gz",
    "Vip": "23.25.123.23",
    "Vport": 1,
    "Zone": "ap-guangzhou"
  }
],
"MainDomain": "qcloudwaf.com",
"Mode": 1,
"Note": "Remarks",
"Region": "gz",
"State": 1,
"Status": 1
}
],
"RequestId": "304cb36f-772a-4fdb-9b25-212d8fe5a553",
"TotalCount": 1
}
}
```

5. Developer Resources

SDK

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

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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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

DescribeWebshellStatus

Last updated : 2025-02-19 16:45:33

1. API Description

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

Obtain the webshell status of a domain

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeWebshellStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name

3. Output Parameters

Parameter Name	Type	Description

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

4. Example

Example1 Obtaining the Domain Name Webshell Status

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeWebshellStatus
&Domain=www.qcloudwaf.com
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Domain": "www.test.com",
    "Status": 1,
    "RequestId": "2d510f3e-9ac9-4282-a62d-9efa61c9825d"
  }
}
```

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](#)
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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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

FreshAntiFakeUrl

Last updated : 2025-02-19 16:45:33

1. API Description

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

Refresh a tamper-proof URL

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: FreshAntiFakeUrl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Id	Yes	Integer	Id

3. Output Parameters

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

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

4. Example

Example1 Refresh a tamper-proof URL

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=FreshAntiFakeUrl
&Domain=www.test1.com
&Id=135
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "f6f281dd-5a8c-4525-90fb-9291170b804c",
    "Result": "success"
  }
}
```

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	Internal error.

ModifyAntiFakeUrlStatus

Last updated : 2025-02-19 16:45:32

1. API Description

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

Toggle tamper-proof switch

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyAntiFakeUrlStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Status	Yes	Integer	Status
Ids.N	Yes	Array of Integer	ID List

3. Output Parameters

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

4. Example

Example1 Toggle tamper-proof switch

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyAntiFakeUrlStatus
&Domain=test.com
&Status=0
&Ids.0=123
&Ids.1=345
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c68bdee7-2c14-4bd3-ba41-cdf1421c0d0c"
  }
}
```

5. Developer Resources

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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
InternalServerError	Internal error.
LimitExceeded	The quota limit is exceeded.
ResourceNotFound	Resources do not exist.

ModifyBotStatus

Last updated : 2025-02-19 16:45:31

1. API Description

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

Bot_V2 bot master switch update

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyBotStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Category	Yes	String	Category
Status	Yes	String	Status
Domain	No	String	Domain name
InstanceId	No	String	Instance ID
IsVersionFour	No	Boolean	Whether it is the bot 4.0 version

BotVersion	No	String	Enter the bot version number, scenario-based version: 4.1.0
DomainList.N	No	Array of String	List of domain names on which bot detection is to be enabled or disabled in batch

3. Output Parameters

Parameter Name	Type	Description
Data	String	Normally null Note: This field may return null, indicating that no valid values can be obtained.
UnSupportedList	Array of String	List of domain names for which no bots are purchased Note: This field may return null, indicating that no valid values can be obtained.
FailDomainList	Array of String	List of domain names which bots are purchased but the operation fails Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	Number of successes
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 Enabling Status of the Bot Detection Feature (V2)

Input Example

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

```
{
  "Category": "bot",
  "Status": "1",
  "Domain": "test.com",
  "InstanceID": "waf_xxx"
}
```

Output Example

```
{
  "Response": {
    "Data": "success",
    "RequestId": "a0b4e55b-5307-4378-856d-efc22475c77d"
  }
}
```

Example2 Querying the Enabling Status of the Bot Detection Feature (New)

Input Example

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

```
{
  "Status": "1",
  "Category": "bot",
  "Domain": "fgsta.qcloudwaf.com",
  "IsVersionFour": "true",
  "BotVersion": "4.1.0"
}
```

Output Example

```
{
  "Response": {
    "Data": "success",
    "RequestId": "110a2ef2-74ee-4db1-9b96-7da77283653f"
  }
}
```

Example3 Querying the Enabling Status of the Bot Detection Feature (Old)

Input Example

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

```
{
  "Status": "0",
  "Category": "bot",
  "Domain": "fgsta.qcloudwaf.com",
  "IsVersionFour": "true"
}
```

Output Example

```
{
  "Response": {
    "Data": "success",
    "RequestId": "c6ae93c9-f71c-473c-ad9b-ba1b59e47059"
  }
}
```

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 Node.js](#)
- [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
AuthFailure.ErrCodeNoPurchased	The current instance has not purchased the API security package.
InternalError	Internal error.
UnsupportedOperation.InvalidRequest	InvalidRequest

ModifyDomainsCLSStatus

Last updated : 2025-02-19 16:45:31

1. API Description

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

Enable or disable access log for domain 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: ModifyDomainsCLSStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domains.N	Yes	Array of DomainURI	Domain name list to be modified
Status	Yes	Integer	Change the access log switch of the domain to Status

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 Enable or disable access log for domain list

Input Example

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

```
{
  "Domains": [
    {
      "Domain": "lucasssli1.qcloud.com",
      "Edition": "clb-waf"
    },
    {
      "Domain": "lucasssli2.qcloud.com",
      "Edition": "clb-waf"
    },
    {
      "Domain": "lucasssli3.qcloud.com",
      "Edition": "sparta-waf"
    },
    {
      "Domain": "lucasssli4.qcloud.com",
      "Edition": "sparta-waf"
    }
  ],
  "Status": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "b4f13899-561b-46a0-a045-6ba6b72c38f2"
  }
}
```

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
AuthFailure	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.

InternalError.DBErr	DBErr
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

ModifyHostMode

Last updated : 2025-02-19 16:45:30

1. API Description

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

Set CLB WAF protection domain status

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyHostMode.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
DomainId	Yes	String	Domain ID
Mode	Yes	Integer	Protection status: 10: rule-based observation and AI disabling; 11: rule- and AI-based observation; 12: rule-based observation and AI-based interception 20: rule-based interception and AI disabling; 21: rule-based interception and AI-based observation; 22: rule- and AI-based interception

Type	No	Integer	0: Change protection mode, 1: Modify AI
InstanceId	No	String	Instance ID
Edition	No	String	Instance type

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed. 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 Setting the Protection Status of a Protected Domain Name

Input Example

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

```
{
  "Domain": "",
  "DomainId": "",
  "Mode": 21,
  "Type": 1,
```

```
"InstanceID": "waf_0e2v15x"
}
```

Output Example

```
{
  "Response": {
    "Success": {
      "Code": "Success",
      "Message": "Success"
    },
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

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

FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

ModifyHostStatus

Last updated : 2025-02-19 16:45:30

1. API Description

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

This API is used to enable or disable CLB WAF for a protected domain name.

Batch operation is supported.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyHostStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
HostsStatus.N	Yes	Array of HostStatus	Domain status list

3. Output Parameters

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

Name		
Success	ResponseCode	Successful status code, needs JSON decoding before use, the returned format is {Domain:Status}, successful status code is Success, others are failed status codes (YunAPI Defined Error Codes)
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling or Disabling WAF for Protected Domain Names

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyHostStatus
&HostsStatus='[{"Domain":"lsd.qcloudwaf.com", "DomainId":"waf-MyBQKIZe", "Status":1}]'
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Success": {
      "Code": "Success",
      "Message": "Success"
    },
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

ModifyInstanceElasticMode

Last updated : 2025-02-19 16:45:29

1. API Description

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

Modify the QPS elastic billing switch for an instance

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyInstanceElasticMode.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
InstanceId	Yes	String	Instance ID
Mode	Yes	Integer	Elastic billing switch.

3. Output Parameters

--	--	--

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

4. Example

Example1 Modifying the Elastic Billing Switch for an Instance

Input Example

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

```
{
  "InstanceId": "waf_000000001",
  "Mode": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "b4f13899-561b-46a0-a045-6ba6b72c38f2"
  }
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.

ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

ModifyInstanceName

Last updated : 2025-02-19 16:45:29

1. API Description

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

Modify instance 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: ModifyInstanceName.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
InstanceName	Yes	String	New name.
InstanceId	Yes	String	Instance ID
Edition	Yes	String	Version

3. Output Parameters

Parameter Name	Type	Description
ModifyCode	Integer	Modification status: 0 indicates success
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 Instance Name

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyInstanceName
&InstanceName=test1.qcloud.com
&InstanceID=aaaaa
&Edition=aaaaa
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ModifyCode": 0,
    "RequestId": "304cb36f-772a-4fdb-9b25-212d8fe5a553"
  }
}
```

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
FailedOperation	Operation failed.
InternalServerError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.

ModifyInstanceQpsLimit

Last updated : 2025-02-19 16:45:28

1. API Description

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

Set elastic QPS limit for package instances

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyInstanceQpsLimit.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
InstanceId	Yes	String	Package instance ID
QpsLimit	Yes	Integer	QPS cap

3. Output Parameters

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

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

4. Example

Example1 Setting the Elastic QPS Upper Limit for an Package Instance

Input Example

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

```
{
  "InstanceId": "waf_2kugtqmk020i74z5",
  "QpsLimit": 100000
}
```

Output Example

```
{
  "Response": {
    "RequestId": "93c70d0b-624e-46c7-95b5-2269818e65be"
  }
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyInstanceRenewFlag

Last updated : 2025-02-19 16:45:28

1. API Description

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

Enable or disable auto-renewal for instance

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyInstanceRenewFlag.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
InstanceId	Yes	String	Instance ID
RenewFlag	Yes	Integer	Renewal switch

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 Enable or disable auto-renewal for instance

Input Example

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

```
{
  "InstanceId": "waf_000000001",
  "RenewFlag": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "b4f13899-561b-46a0-a045-6ba6b72c38f2"
  }
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.

ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

ModifyWebshellStatus

Last updated : 2025-02-19 16:45:28

1. API Description

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

Set the Webshell status of a domain.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyWebshellStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Webshell	Yes	WebshellStatus	Domain Webshell Status

3. Output Parameters

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

Success	ResponseCode	Successful status code, needs JSON decoding before use, the returned format is {Domain:Status}, successful status code is Success, others are failed status codes (YunAPI Defined Error Codes)
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Setting the Domain Name Webshell Detection Status

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyWebshellStatus
&Webshell='{ "Domain": "lsd.qcloudwaf.com", "Status": 1 }'
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Success": {
      "Code": "Success",
      "Message": "Success"
    },
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming 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 Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

UpsertCCRule

Last updated : 2025-02-19 16:45:27

1. API Description

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

WAF CC V2 upsert 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: UpsertCCRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Name	Yes	String	Name
Status	Yes	Integer	Status
Advance	Yes	String	Advanced mode (whether to use session detection). 0: disabled; 1: enabled
Limit	Yes	String	CC detection threshold

Interval	Yes	String	CC detection cycle
Url	Yes	String	Detection URL
MatchFunc	Yes	Integer	Matching method. 0: equal to; 1: prefix matching; 2: included
ActionType	Yes	String	Action. 20: observation; 21: CAPTCHA; 22: interception; 23: precise interception
Priority	Yes	Integer	Priority
ValidTime	Yes	Integer	Valid time for action
OptionsArr	No	String	Additional Parameters
Edition	No	String	WAF version. The value can be sparta-waf or clb-waf.
Type	No	Integer	Operation type
EventId	No	String	Source event ID for adding rules
SessionApplied.N	No	Array of Integer	Session ID that needs to be enabled for the rule
RuleId	No	Integer	Rule ID: fill in 0 when adding
CreateTime	No	Integer	Rule creation time
Length	No	Integer	URL length

3. Output Parameters

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

4. Example

Example1 WAF CC V2 upsert API

Input Example

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

{
  "Status": "0",
  "Advance": "0",
  "Domain": "test.com",
  "Name": "test2",
  "Url": "/test",
  "Priority": "50",
  "Interval": "60",
  "MatchFunc": "0",
  "ValidTime": "600\n",
  "Limit": "60",
  "ActionType": "22",
  "OptionsArr": "[{\"key\":\"get\", \"args\": [\"a=12\"]}] "
```

Output Example

```
{
  "Response": {
    "Data": "success",
    "RequestId": "5029e2b0-493c-4dcc-9e4e-d53ab98ede99"
  }
}
```

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
InternalServerError	Internal error.
LimitExceeded.SpecificationErr	SpecificationErr
UnsupportedOperation	The operation is not supported.

UpsertSession

Last updated : 2025-02-19 16:45:27

1. API Description

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

WAF session definition upsert 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: UpsertSession.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Source	Yes	String	Session source location
Category	Yes	String	Extraction category
KeyOrStartMat	Yes	String	Extract key or initial match mode
EndMat	Yes	String	End match mode

StartOffset	Yes	String	Start offset position
EndOffset	Yes	String	End offset position
Edition	No	String	Version
SessionName	No	String	Session Name
SessionID	No	Integer	ID corresponding to session

3. Output Parameters

Parameter Name	Type	Description
Data	String	Result Note: This field may return null, indicating that no valid values can be obtained.
SessionID	Integer	SessionID 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 WAF session definition upsert API

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=UpsertSession
&Domain=test.com
&Category=match
&KeyOrStartMat=hashId
&EndMat=12
&Source=get
&StartOffset=-1
&EndOffset=-1
&Edition=clb-waf
&SessionName=Test session
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": "success",
    "RequestId": "5029e2b0-493c-4dcc-9e4e-d53ab98ede99"
  }
}
```

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	Operation failed.
UnsupportedOperation	The operation is not supported.

GetInstanceQpsLimit

Last updated : 2025-02-19 16:45:32

1. API Description

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

Obtain the elastic QPS limit of package instances

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: GetInstanceQpsLimit.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
InstanceId	Yes	String	Package instance ID
Type	No	String	Package type.

3. Output Parameters

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

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

4. Example

Example1 Obtaining the Default Value of Elastic QPS

This example shows you how to obtain the default value of elastic QPS.

Input Example

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

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

Output Example

```
{
  "Response": {
    "QpsData": {
      "ElasticBillingDefault": 1,
      "ElasticBillingMin": 1,
      "ElasticBillingMax": 1,
      "QPSExtendMax": 1,
      "QPSExtendIntlMax": 1
    },
    "RequestId": "d55b94a8-07bb-4326-b82f-e6678151afe0"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

AddCustomRule

Last updated : 2025-02-19 16:45:37

1. API Description

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

Add access control (from custom 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: AddCustomRule.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Name	Yes	String	Rule name
SortId	Yes	String	Priority
Strategies.N	Yes	Array of Strategy	Policy details
Domain	Yes	String	Domain name for adding policy

ActionType	Yes	String	Action type: 1 for Block, 2 captcha, 3 for Observe, 4 for Redirect
Redirect	No	String	If the action is redirect, it indicates the redirect address; otherwise, it can be left blank.
ExpireTime	No	String	Expiration time: in second-level timestamp, for example, 1677254399 indicates the expiration time is 2023-02-24 23:59:59; 0 indicates it will never expire.
Edition	No	String	WAF instance type: sparta-waf for SaaS WAF, clb-waf for CLB WAF.
Bypass	No	String	Details of release
EventId	No	String	Source of the rule addition, default is empty
JobType	No	String	Rule execution mode: TimedJob indicates scheduled execution. CronJob indicates periodic execution.
JobDateTime	No	JobDateTime	Rule execution time
Source	No	String	Rule source. You can determine whether a rule comes from a mini program.
Label	No	String	Rule tag. It is used for mini program rules and identifies whether a rule is a built-in rule or a custom rule.
Status	No	Integer	Switch status. This value is passed when mini program risk control rules are used.
Pageld	No	String	Interception page ID

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Operation status code: if all resource operations succeed, the success status code is returned; if any resource operation fails, the content of Message needs to be parsed to see which resource failed.
RuleId	Integer	Successfully added rule ID

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

4. Example

Example1 Adding a Custom Access Control Policy

Add access control (from custom policy)

Input Example

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

```
{
  "Redirect": "/",
  "Domain": "www.test.com",
  "Name": "test",
  "SortId": "100",
  "ExpireTime": "\"\"",
  "Edition": "clb-waf",
  "ActionType": "1",
  "Strategies": [
    {
      "Content": "\"\"",
      "Field": "COOKIE",
      "CompareFunc": "null",
      "Arg": "\"\""
    }
  ]
}
```

Output Example


```
{
  "Response": {
    "RequestId": "1a16a333-76ac-42f5-8066-c0ea93cc8dc7",
    "RuleId": 7025,
    "Success": {
      "Message": "Success",
      "Code": "Success"
    }
  }
}
```

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr

LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr
UnsupportedOperation	The operation is not supported.

ModifyApiAnalyzeStatus

Last updated : 2025-02-19 16:45:31

1. API Description

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

API analysis page switch

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyApiAnalyzeStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Status	Yes	Integer	Enabling status
Domain	No	String	Domain name
InstanceId	No	String	Instance ID
TargetList.N	No	Array of TargetEntity	List of entities to be bulk enabled

3. Output Parameters

Parameter Name	Type	Description
Count	Integer	Number of Activated. If the returned value is 3 (greater than the number of domains supported for activation), the activation has failed. Note: This field may return null, indicating that no valid values can be obtained.
UnSupportedList	Array of String	Domain list not supported to enable Note: This field may return null, indicating that no valid values can be obtained.
FailDomainList	Array of String	Domain list with enabling/disabling failed 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 API analysis page switch

API analysis page switch

Input Example

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

```
{
  "Status": 1,
  "Domain": "abc.com"
}
```

Output Example

```
{
  "Response": {
    "Count": 0,
    "UnsupportedList": [
      "qcloudwaf.com"
    ],
    "FailDomainList": [
      "qcloudwaf.com"
    ],
    "RequestId": "asdqwweqxczca1231vszdfas"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

IP Management APIs

DeletelpAccessControlV2

Last updated : 2025-02-19 16:45:50

1. API Description

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

This API is used to delete latest versions of WAF IP allowlists/blocklists.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeletelpAccessControlV2.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
RuleIds.N	No	Array of Integer	Rule ID list. Batch deletion is supported. This parameter does not need to be specified when DeleteAll is true.
DeleteAll	No	Boolean	Whether to delete all IP blocklists/allowlists under the corresponding domain name. true: delete all lists; false: delete only the specified lists.

			Batch protection is not supported.
SourceType	No	String	batch: indicates batch protection IP allowlists/blocklists.
ActionType	No	Integer	IP blocklist/allowlist type. 40: IP allowlist; 42: IP blocklist. This parameter should be passed in when DeleteAll is true.

3. Output Parameters

Parameter Name	Type	Description
FailedCount	Integer	Number of items that fail to be deleted during deletion in batches.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 IP Blocklist/Allowlist

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteIpAccessControlV2
<Common request parameters>
```

```
{
  "Domain": "www.qcloudwaf.com",
  "DeleteAll": true,
  "SourceType": "log",
  "ActionType": 1,
  "RuleIds": [
    55102222,
    55562222
  ]
}
```

Output Example

```
{
  "Response": {
    "FailedCount": 0,
    "RequestId": "46757c6e-786c-48ca-b5c4-9fa29ece1c9e"
  }
}
```

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
FailedOperation.TheNumberOfOneTimeDeletionsReachedTheUpperLimit	Reached the maximum number of one-time deletions.
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr

InvalidParameter	Parameter error.
UnsupportedOperation	The operation is not supported.

DescribeBatchIpAccessControl

Last updated : 2025-02-19 16:45:49

1. API Description

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

This API is used to query the IP blocklist and allowlist for WAF batch protection.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeBatchIpAccessControl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Filters.N	Yes	Array of FiltersItemNew	Filter criteria: supports ActionType 40/42, IP: IP address, Domain: Three types of domains
OffSet	No	Integer	Offset
Limit	No	Integer	Limit
Sort	No	String	Sort parameters

3. Output Parameters

Parameter Name	Type	Description
Data	BatchIpAccessControlData	Output 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 WAF multi-domain IP blocklist/allowlist query

Input Example

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

```
{
  "Sort": "ts_version:-1",
  "Limit": 20,
  "Filters": [
    {
      "Values": [
        "Domain"
      ],
      "Name": "www.q.com",
      "ExactMatch": true
    }
  ],
  "Offset": 0
}
```

Output Example

```
{
  "Response": {
    "Data": {
      "Res": [
        {
          "ActionType": 42,
          "Ip": "1.1.1.1",
          "Note": "remark",
          "Source": "custom",
          "TsVersion": 1579074751421,
          "ValidTs": 1579017599,
          "Hosts": [
            "www.q.com",
            "www.b.com"
          ]
        }
      ],
      "TotalCount": 1
    },
    "RequestId": "c937ce96-cf53-4df8-b288-07c6e092072d"
  }
}
```

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
InternalError	Internal error.
InternalError.DBErr	DBErr

DescribeAccessControl

Last updated : 2025-02-19 16:45:49

1. API Description

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

WAF IP blocklist/allowlist query

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeAccessControl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
Count	Yes	Integer	Count identifier
ActionType	No	Integer	Action. 40 for querying the allowlist, 42 for querying the blocklist
CtsMin	No	Integer	Timestamp for minimum creation time
CtsMax	No	Integer	Timestamp for Maximum Creation Time

OffSet	No	Integer	Paging offset, a multiple of limit. The minimum value is 0, and the maximum value is Total/Limit rounded up.
Limit	No	Integer	Number of records returned per page, which is 20 by default.
Source	No	String	Source.
Sort	No	String	Sort parameters
Ip	No	String	IP
ValidStatus	No	Integer	Effective status.
ValidTimeStampMin	No	String	Timestamp of the minimum valid time
ValidTimeStampMax	No	String	Timestamp of the maximum valid time
RuleId	No	Integer	Rule ID
TimerType	No	Integer	Filter by scheduled task type. Valid values: 0, 1, 2, 3, 4.

3. Output Parameters

Parameter Name	Type	Description
Data	IpAccessControlData	Output. Note: This field may return null, indicating that no valid values can be obtained.
UsedTotal	Integer	Total number of IP addresses in the used IP allowlist/blocklist. 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 WAF IP blocklist/allowlist query

This example shows you how to query the WAF IP blocklist.

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeIpAccessControl
&Domain=www.test.com
&Count=1
&ActionType=42
&Limit=20
&Offset=0
&Sort=ts_version:-1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Data": {
      "Res": [
        {
          "ActionType": 42,
          "Ip": "1.1.1.1",
          "Note": "note",
          "Source": "custom",
          "TsVersion": 1579074751421,
          "ValidTs": 1579017599
        }
      ],
      "TotalCount": 1
    },
    "RequestId": "c937ce96-cf53-4df8-b288-07c6e092072d"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
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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
InternalServerError	Internal error.
InternalServerError.DBErr	DBErr

CreateIpAccessControl

Last updated : 2025-02-19 16:45:50

1. API Description

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

This API is used to add WAF IP allowlists/blocklists.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateIpAccessControl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Specific domain name, for example, test.qcloudwaf.com. Global domain name, that is, global.
IpList.N	Yes	Array of String	IP parameter list.
ActionType	Yes	Integer	42: blocklist; 40: allowlist.
InstanceId	No	String	Instance ID

Edition	No	String	WAF instance type: sparta-waf for SaaS WAF, clb-waf for CLB WAF.
SourceType	No	String	Valid values: batch (adding in batches), bot (adding to the bot details list in bot traffic analysis), cc (adding to IP addresses of the CC attack type in the attack log list), custom (default value for adding not in batches).
Note	No	String	Remarks
JobType	No	String	Scheduled configuration type.
JobDateTime	No	JobDateTime	Details of scheduled configuration.

3. Output Parameters

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

4. Example

Example1 Adding an IP Blocklist/Allowlist

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: UpsertIpAccessControlV2
<Common request parameters>
```

```
{
```

```
"InstanceId": "waf_0xabc",
"Domain": "www.qcloudwaf.com",
"IpList": [
  "192.168.1.1",
  "192.168.2.1"
],
"Edition": "abc",
"ValidTS": 1680570420,
"ActionType": 42,
"SourceType": "abc"
}
```

Output Example

```
{
  "Response": {
    "RuleId": 55201922,
    "RequestId": "fea2e723-002b-40e6-8297-7c54455cb7d6"
  }
}
```

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.TheNumberOfAddedBlackAndWhiteListExceedsTheUpperLimit	The number of additions to the blocklist/allowlist exceeds the limit.
InternalError	Internal error.
InternalError.DBErr	DBErr
LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr
UnsupportedOperation	The operation is not supported.

ModifyIpAccessControl

Last updated : 2025-02-19 16:45:48

1. API Description

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

This API is used to edit WAF IP allowlists/blocklists.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyIpAccessControl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Specific domain name, for example, test.qcloudwaf.com. Global domain name, that is, global.
IpList.N	Yes	Array of String	IP parameter list.
ActionType	Yes	Integer	42: blocklist; 40: allowlist.
RuleId	Yes	Integer	Rule ID

InstanceId	No	String	Instance ID
Edition	No	String	WAF instance type: sparta-waf for SaaS WAF, clb-waf for CLB WAF.
SourceType	No	String	Batch protection IP blocklists/allowlists or not. If yes, the value is batch; otherwise, it is empty.
Note	No	String	Remarks
JobType	No	String	Scheduled configuration type.
JobDateTime	No	JobDateTime	Details of scheduled configuration.

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 Editing an IP Blocklist/Allowlist

Input Example

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

```
{
  "InstanceId": "waf_accc",
  "Domain": "www.qcloudwaf.com",
  "IpList": [
    "192.168.1.1",
```

```
"192.168.1.2"
],
"Edition": "clb-waf",
"SourceType": "batch",
"RuleId": 5512222,
"ActionType": 42,
"ValidTS": 0,
"Note": "abc"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "5d207f4f-0d41-4f5d-bce2-0320090c98d8"
  }
}
```

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.TheNumberOfAddedBlackAndWhiteListExceedsTheUpperLimit	The number of additions to the blocklist/allowlist exceeds the limit.
InternalError	Internal error.
InternalError.DBErr	DBErr
LimitExceeded	The quota limit is exceeded.
LimitExceeded.SpecificationErr	SpecificationErr
UnsupportedOperation	The operation is not supported.

ImportIpAccessControl

Last updated : 2025-02-19 16:45:48

1. API Description

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

This API is used to import IP allowlists/blocklists.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ImportIpAccessControl.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Data.N	Yes	Array of IpAccessControlParam	List of imported IP allowlists/blocklists.
Domain	Yes	String	Specific domain name, for example, test.qcloudwaf.com. Global domain name, that is, global.
SourceType	Yes	String	Batch protection IP blocklists/allowlists or not. If yes,

			the value is batch; otherwise, it is empty.
InstanceId	No	String	Instance ID

3. Output Parameters

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

4. Example

Example1 This API is used to import IP allowlists/blocklists.

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteIpAccessControlV2
<Common request parameters>
```

```
{
  "Domain": "www.qcloudwaf.com",
  "Data": [
    {
      "IpList": [
        "2.3.4.5"
      ],
      "ValidTs": 1709222399,
      "ActionType": 42,
      "Note": ""
    },
    {
      "IpList": [
        "2.3.4.6"
      ],
```

```
"ValidTs": 1709222399,
"ActionType": 42,
"Note": ""
},
{
  "InstanceId": "waf_2kxt4nou00atrwn1",
  "SourceType": "custom"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "26b0ac84-cb08-49d2-9899-4206d1849a41"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Integration APIs

DescribeHostLimit

Last updated : 2025-02-19 16:45:44

1. API Description

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

Firstly verify when adding a domain whether a package has been purchased, whether the limit of purchased package has not been reached, and whether the domain has already been added

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeHostLimit.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Domain	Yes	String	Added domain
InstanceId	No	String	Instance ID
AlbType	No	String	Traffic source

3. Output Parameters

Parameter Name	Type	Description
Success	ResponseCode	Successfully returned status code 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 Verifying the Domain Existence

This example shows you how to verify the domain existence.

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeHostLimit
&Domain=test.com
&InstanceID=aabbcc
&AlbType=clb
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "97720395-7456-4a21-bcd9-1f32a7deaa90",
    "Error": {
      "Code": "ResourceInUse",
      "Message": "DomainExisted"
    }
  }
}
```

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
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.

ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

DescribeUserDomainInfo

Last updated : 2025-02-19 16:45:42

1. API Description

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

Query Domain Information for SaaS and CLB

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeUserDomainInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.

3. Output Parameters

Parameter Name	Type	Description
UserInfo	Array of UserDomainInfo	SaaS and CLB domain information

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

4. Example

Example1 Querying the Information on Domain Names Protected by Saas WAF and CLB WAF

Input Example

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

{ }
```

Output Example

```
{
  "Response": {
    "RequestId": "b4f13899-561b-46a0-a045-6ba6b72c38f2",
    "UsersInfo": [
      {
        "Appid": 251197211,
        "Domain": "2333.douban.com",
        "DomainId": "45bdad0d-bb98-4cb3-8e5a-ab6e2992",
        "InstanceId": "Swaf_0000001g0",
        "InstanceName": "dzins",
        "Edition": "sparta-waf",
        "Level": "1",
        "WriteConfig": "{\"EnableHeaders\": 1, \"EnableBody\": 1}",
        "Cls": 0,
        "CloudType": "public"
      },
      {
        "Appid": 251197211,
        "Domain": "engine_test_dev2.qcloudwaf.com",
        "DomainId": "205eeb7e-1a5c-4f54-aec9-00c97d49",
```

```
"InstanceId": "waf_2kgsd132421",
"InstanceName": "cdins",
"Edition": "sparta-waf",
"Level": "4",
"WriteConfig": "{\"EnableBody\": 0}",
"Cls": 1,
"CloudType": "public"
},
{
  "Appid": 251197211,
  "Domain": "413001.qcloudwaf.com",
  "DomainId": "c6458fdaa4bf5045bf069c2b549b5f08",
  "InstanceId": "waf_312f134bdf",
  "InstanceName": "ModifyName",
  "Edition": "sparta-waf",
  "Level": "1",
  "WriteConfig": "{\"EnableHeaders\": 1, \"EnableBody\": 1}",
  "Cls": 0,
  "CloudType": "public"
}
]
}
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

DescribeCertificateVerifyResult

Last updated : 2025-02-19 16:45:46

1. API Description

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

Obtain certificate inspection result

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeCertificateVerifyResult.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
Domain	Yes	String	Domain name
CertType	No	Integer	Certificate type. 0: Do not check international standard certificates; 1: The certificate is a self-owned certificate; 2: The certificate is a managed certificate.
Certificate	No	String	When CertType is 1, this parameter is required, indicating the self-owned certificate chain
CertID	No	String	When CertType is 2, this parameter must be filled, indicating the

			certificate ID hosted on Tencent Cloud's SSL platform
PrivateKey	No	String	When CertType=1, this parameter is required, indicating the private key of the self-owned certificate.
GmCertType	No	Integer	SM certificate type. 0: Do not check SM certificates; 1: The certificate is a self-owned SM certificate; 2: The certificate is a managed SM certificate.
GmCert	No	String	When GmCertType is 1, this parameter needs to be set, indicating the certificate chain of the self-owned SM certificate.
GmPrivateKey	No	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the self-owned SM certificate.
GmEncCert	No	String	When GmCertType is 1, this parameter needs to be set, indicating the encryption certificate of the self-owned SM certificate.
GmEncPrivateKey	No	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the encryption certificate for the self-owned SM certificate.
GmSSLId	No	String	When GmCertType is 2, this parameter needs to be set, indicating the ID of the certificate managed by the Tencent Cloud SSL platform.

3. Output Parameters

Parameter Name	Type	Description
Status	Integer	Status code 0: normal certificate 310: abnormal certificate 311: certificate expired 312: certificate about to expire
Detail	Array of String	Error details
NotAfter	String	Expiration time
Changed	Integer	Whether the certificate is changed

		0: not changed 1: changed Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtaining the Certificate Verification Result

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeCertificateVerifyResult
&Domain=test1.testwaf.com
&CertType=1
&CertID=D3a93
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Changed": 0,
    "Detail": [
      "x509: certificate is valid for *.testwaf.com, testwaf.com, not randy.qcloudwaf.com"
    ],
    "NotAfter": "2024-04-05 23:59:59",
    "RequestId": "a4824af0-ae9c-470e-b6c3-8d2a3bf89a18",
    "Status": 310
  }
}
```

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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
ResourceUnavailable	Resources are unavailable.

DeleteHost

Last updated : 2025-02-19 16:45:47

1. API Description

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

This API is used to delete a domain name protected by CLB WAF. Batch operation is supported.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteHost.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
HostsDel.N	Yes	Array of HostDel	List of domains to be deleted

3. Output Parameters

Parameter Name	Type	Description

Success	ResponseCode	Domain name deletion result. Code represents the status code, and Message represents details.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting Domain Names Protected by CLB WAF

Input Example

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

{
  "HostsDel": [
    {
      "Domain": "test.clb.qcloud.com",
      "DomainId": "waf-n7GFuVNJ",
      "InstanceID": "waf_2kuil2fm02vqm7z3"
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "Success": {
      "Code": "Success",
      "Message": "Success"
    },
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.

ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

DescribeTlsVersion

Last updated : 2025-03-11 23:19:59

1. API Description

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

This API is used to query TLS versions supported by SaaS WAF.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeTlsVersion.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.

3. Output Parameters

Parameter Name	Type	Description
TLS	Array of TLSVersion	TLS key value

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

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeTlsVersion
<common request parameters>

{}
```

Output Example

```
{
  "Response": {
    "RequestId": "4740ae4a-ea83-4f22-bb51-465c1623eaa1",
    "TLS": [
      {
        "VersionId": 3,
        "VersionName": "TLSv1.0;TLSv1.1;TLSv1.2"
      },
      {
        "VersionId": 4,
        "VersionName": "TLSv1.1;TLSv1.2"
      },
      {
        "VersionId": 5,
        "VersionName": "TLSv1.2"
      },
      {
        "VersionId": 0,
        "VersionName": "TLSv1.0;TLSv1.1;TLSv1.2;TLSv1.3"
      },
      {
        "VersionId": 1,
        "VersionName": "TLSv1.1;TLSv1.2;TLSv1.3"
      }
    ]
  }
}
```

```
},  
{  
  "VersionId": 2,  
  "VersionName": "TLSv1.2;TLSv1.3"  
}  
]  
}  
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.

InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

ModifyHost

Last updated : 2025-02-19 16:45:41

1. API Description

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

This API is used to edit the configuration of domain names protected by CLB WAF.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyHost.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Host	Yes	HostRecord	Edited domain configuration information
InstanceId	No	String	Unique Instance ID

3. Output Parameters

Parameter Name	Type	Description

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

4. Example

Example1 Editing the Domain Names Protected by CLB WAF

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyHost
&InstanceID=aabbcc
&Host.Status=1
&Host.Engine=1
&Host.Domain=1
&Host.DomainId=1
&Host.LoadBalancerSet.0.Protocol=1
&Host.LoadBalancerSet.0.Zone=1
&Host.LoadBalancerSet.0.Region=gz
&Host.LoadBalancerSet.0.LoadBalancerId=1
&Host.LoadBalancerSet.0.ListenerId=1
&Host.LoadBalancerSet.0.Vip=1
&Host.LoadBalancerSet.0.ListenerName=1
&Host.LoadBalancerSet.0.LoadBalancerName=1
&Host.LoadBalancerSet.0.Vport=1
&Host.Level=1
&Host.MainDomain=snv.vom
&Host.Region=cd
&Host.FlowMode=1
&Host.State=1
&Host.ClsStatus=1
&Host.IsCdn=1
&Host.Mode=1
&Host.Edition=clb-waf
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "97720395-7456-4a21-bcd9-1f32a7deaa90",
    "Error": {
```

```
"Code": "ResourceInUse",  
"Message": "DomainExisted"  
}  
}  
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.

MissingParameter	Parameters are missing
OperationDenied	Operation denied.
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

ModifyHostFlowMode

Last updated : 2025-03-11 23:19:58

1. API Description

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

This API is used to set the traffic mode for domain names protected by CLB WAF. The mode can be mirror mode or cleaning mode.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyHostFlowMode.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Domain	Yes	String	Domain name
DomainId	Yes	String	Domain ID
FlowMode	Yes	Integer	WAF traffic mode 0: mirror mode (default) 1: cleaning mode
InstanceId	No	String	Instance ID

3. Output Parameters

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

4. Example

Example1 Setting the Traffic Mode for Domain Names Protected by CLB WAF

This example shows you how to set the traffic mode for a CLB-type WAF protection domain, and switch between mirror mode and cleaning mode.

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyHostFlowMode
&Domain="www.qcloudwaf.com"
&DomainId="waf-gi944uHt "
&FlowMode=1
&InstanceId="waf_000q6ntyb"
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Success": {
      "Code": "Success",
      "Message": "Success"
    },
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

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	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.

UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

ModifySpartaProtection

Last updated : 2025-03-11 23:19:58

1. API Description

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

This API is used to edit the configuration of domain names protected by SaaS WAF.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifySpartaProtection.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
DomainId	Yes	String	Required. Unique domain name ID
InstanceId	Yes	String	Required. Instance ID of the domain name
CertType	No	Integer	Certificate type. 0: no certificate, with only the HTTP listening port configured; 1: self-owned certificate; 2: managed certificate.

Cert	No	String	When CertType is 1, this parameter is required, indicating the self-owned certificate chain
PrivateKey	No	String	When CertType=1, this parameter is required, indicating the private key of the self-owned certificate.
SSLId	No	String	When CertType is 2, this parameter must be filled, indicating the certificate ID hosted on Tencent Cloud's SSL platform
IsCdn	No	Integer	Whether a layer-7 proxy service is deployed before the WAF. 0: No proxy service is deployed; 1: The proxy service is deployed. The WAF will use XFF to obtain the client IP address; 2: The proxy service is deployed. The WAF will use remote_addr to obtain the client IP address; 3: The proxy service is deployed. The WAF will use a custom header in ip_headers to obtain the client IP address.
UpstreamScheme	No	String	Origin-pull protocol for HTTPS when the service is configured with an HTTPS port. http: Use the HTTP protocol for origin-pull. It is used with HttpsUpstreamPort. https: Use the HTTPS protocol for origin-pull.
HttpsUpstreamPort	No	String	HTTPS upstream port, required only when UpstreamScheme is http
HttpsRewrite	No	Integer	Whether to enable forced redirection from HTTP to HTTPS. 0: disable; 1: enable
UpstreamType	No	Integer	upstream type. 0: proxy to upstream by IP; 1: proxy to upstream by domain name
UpstreamDomain	No	String	Upstream domain when proxy to upstream by domain. When UpstreamType=1, this field needs to be filled
SrcList.N	No	Array of String	Upstream IP list when proxy to upstream by IP. When UpstreamType=0, this field is required
IsHttp2	No	Integer	Whether to enable HTTP2. You should enable HTTPS as well. 0: disable; 1: enable
IsWebsocket	No	Integer	Whether to enable WebSocket. 0: disable; 1:

			enable
LoadBalance	No	Integer	Load balancing policy for upstream. 0: round-robin scheduling; 1: IP hash; 2: weighted round-robin scheduling
IsGray	No	Integer	To be deprecated, can be left blank. Whether to enable grayscale: 0 indicates not to enable grayscale.
Edition	No	String	Instance type of the domain name
Ports.N	No	Array of SpartaProtectionPort	Port information, which can be obtained through the DescribeDomains API
IsKeepAlive	No	String	Whether to enable persistent connection. 0: non-persistent connection; 1: persistent connection
Anycast	No	Integer	To be deprecated. Currently, set this parameter to 0. Anycast IP type switch. 0: common IP; 1: Anycast IP
Weights.N	No	Array of Integer	Weight of each IP in the upstream IP List, corresponding to SrcList. Required only when UpstreamType is 0, and SrcList contains multiple IPs, and LoadBalance is 2; otherwise, fill in [].
ActiveCheck	No	Integer	Whether to enable proactive health detection. 0: disable; 1: enable
TLSVersion	No	Integer	TLS version information
Ciphers.N	No	Array of Integer	Cipher suite information
CipherTemplate	No	Integer	Cipher suite template. 0: default template (no selection); 1: general template; 2: secure template; 3: custom template
ProxyReadTimeout	No	Integer	Read timeout between WAF and upstream server, 300s by default.
ProxySendTimeout	No	Integer	WAF and origin server write timeout, 300s by default.
SniType	No	Integer	SNI type when proxy to upstream. 0: Disable SNI and do not configure server_name in client_hello. 1: Enable SNI. server_name in client_hello is the

			protected domain name. 2: Enable SNI. SNI is the origin server domain name when proxy to upstream by domain. 3: Enable SNI. SNI is the custom domain name.
SniHost	No	String	When SniType=3, this parameter is required, indicating a custom SNI;
IpHeaders.N	No	Array of String	IsCdn=3 required for this parameter, indicates custom header
XFFReset	No	Integer	Whether to enable XFF reset. 0: disable; 1: enable
Note	No	String	Domain name remarks
UpstreamHost	No	String	Custom upstream host. The default value is a null string, indicating that the protected domain name is used as the upstream host.
ProxyBuffer	No	Integer	Whether to enable caching. 0: disable; 1: enable.
ProbeStatus	No	Integer	Whether to enable the test. 0: disable; 1: enable. The test is enabled by default.
GmType	No	Integer	SM option. 0: do not enable SM; 1: add support for SM based on the existing TLS option; 2: enable SM and support only SM client access.
GmCertType	No	Integer	SM certificate type. 0: no SM certificate is available; 1: the certificate is a self-owned SM certificate; 2: the certificate is a managed SM certificate.
GmCert	No	String	When GmCertType is 1, this parameter needs to be set, indicating the certificate chain of the self-owned SM certificate.
GmPrivateKey	No	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the self-owned SM certificate.
GmEncCert	No	String	When GmCertType is 1, this parameter needs to be set, indicating the encryption certificate of the self-owned SM certificate.
GmEncPrivateKey	No	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the encryption

			certificate for the self-owned SM certificate.
GmSSLId	No	String	When GmCertType is 2, this parameter needs to be set, indicating the ID of the certificate managed by the Tencent Cloud SSL platform.

3. Output Parameters

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

4. Example

Example1 Modifying a SaaS-type WAF Protection Domain

This example shows you how to modify a SaaS-type WAF protection domain.

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifySpartaProtection
<common request parameters>
```

```
{
  "Ports": [
    {
      "NginxServerId": 230056,
      "Port": "80",
      "Protocol": "http",
      "UpstreamPort": "80",
      "UpstreamProtocol": "http"
    },
    {
      "NginxServerId": 321607,
      "Port": "443",
      "Protocol": "https",
```

```
"UpstreamPort": "80",
"UpstreamProtocol": "http"
},
],
"Domain": "randygz8.qcloudwaf.com",
"DomainId": "7d58ebf3db7e5f7e8f91eb017c6a7b31",
"SrcList": [
"114.132.246.237",
"114.132.246.239"
],
"Weights": [
"10",
"10"
],
"UpstreamType": 0,
"HttpsRewrite": 0,
"CertType": 2,
"ActiveCheck": 0,
"SSLId": "H0LMTj mj",
"IsCdn": 1,
"UpstreamScheme": "http",
"HttpsUpstreamPort": "80",
"IsGray": 0,
"IsHttp2": 0,
"IsWebsocket": 0,
"ProxyBuffer": 1,
"IsKeepAlive": "1",
"LoadBalance": 0,
"InstanceID": "waf_2kw60zgy0508e8j3",
"Anycast": 0,
"CipherTemplate": 2,
"TLSVersion": 3,
"Ciphers": [
0,
1,
12,
13,
22
],
"ProxyReadTimeout": 10,
"ProxySendTimeout": 300,
"SniHost": "randy.sni.com",
"SniType": 1,
"IpHeaders": [
"x-real-ip"
],
"XFFReset": 0,
```

```
"UpstreamHost": "randy.upstream.com",
"Note": "randy domain",
"ProbeStatus": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "13b8a309-3e7d-4393-91a4-271bf6d5dd71"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.

FailedOperation.MysqlDBOperationFailed	Failed to operate the MySQL database.
InternalError	Internal error.
InternalError.AsynchronousCallFailed	Asynchronous call failed.
InvalidParameter	Parameter error.
InvalidParameter.CertificationParameterErr	Certificate information parameter error
InvalidParameter.PortParameterErr	Port information parameter error
InvalidParameter.ProtectionDomainParameterErr	Protective domain parameter error
InvalidParameter.SupportTLSConfFailed	The current instance version does not support enabling TLS by definition. Please upgrade to the Advanced Edition or above.
InvalidParameter.TLSParameterErr	TLS or encryption suite parameter error
InvalidParameter.UpstreamParameterErr	Origin information parameter error
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

AddSpartaProtection

Last updated : 2025-03-11 23:20:00

1. API Description

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

Add SaaS WAF protection domain

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: AddSpartaProtection.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain requiring protection
CertType	Yes	Integer	Certificate type 0: no certificate, with only the HTTP listening port configured 1: self-owned certificate 2: managed certificate
IsCdn	Yes	Integer	Whether a layer-7 proxy service is deployed before WAF 0: No proxy service deployed 1: Proxy service deployed, and WAF will use XFF to obtain the

			client IP address 2: Proxy service deployed and WAF will use remote_addr to obtain the client IP address 3: Proxy service deployed, and WAF will use a custom header in ip_headers to obtain the client IP address
UpstreamType	Yes	Integer	Upstream type 0: proxy to upstream by IP address 1: proxy to upstream by domain name
IsWebsocket	Yes	Integer	Whether to enable websocket 0: disable 1: enable
LoadBalance	Yes	String	Load balancing policy for upstream 0: round-robin 1: IP hash 2: weighted round-robin
Ports.N	Yes	Array of PortItem	Service port list configuration NginxServerId: fill in '0' in this function Port: listening port number Protocol: port protocol UpstreamPort: same as Port UpstreamProtocol: same as Protocol
IsKeepAlive	Yes	String	(Required) Whether to enable persistent connection 0: non-persistent connection 1: persistent connection
InstanceId	Yes	String	(Required) Instance ID of the domain name
Cert	No	String	When CertType is 1, this parameter is required, indicating the self-owned certificate chain
PrivateKey	No	String	When CertType=1, this parameter is required, indicating the private key of the self-owned certificate.
SSLId	No	String	When CertType is 2, this parameter must be filled, indicating the certificate ID hosted on Tencent Cloud's SSL platform
ResourceId	No	String	To be deprecated, not required. WAF resource ID.
IpHeaders.N	No	Array of String	When IsCdn is 3, this parameter is required, indicating a custom header.
UpstreamScheme	No	String	Upstream protocol for HTTPS when the service is configured with an HTTPS port

			http: Use the HTTP protocol for upstream. It is used together with HttpsUpstreamPort. https: Use the HTTPS protocol for upstream.
HttpsUpstreamPort	No	String	HTTPS upstream port, required only when UpstreamScheme is http
IsGray	No	Integer	To be deprecated, can be left blank. Whether to enable grayscale: 0 indicates not to enable grayscale.
GrayAreas.N	No	Array of String	To be deprecated, can be left blank. Grayscale area.
HttpsRewrite	No	Integer	(Required) Whether to enable forced redirection from HTTP to HTTPS 0: do not force redirect 1: enable forced redirect
UpstreamDomain	No	String	Upstream domain when proxy to upstream by domain. When UpstreamType=1, this field needs to be filled
SrcList.N	No	Array of String	Upstream IP list when IP is back to source. When UpstreamType=0, this field is required
IsHttp2	No	Integer	(Required) Whether to enable HTTP2. You should enable HTTPS as well. 0: disable 1: enable
Edition	No	String	WAF instance type. This parameter will be deprecated in later versions and is not required in the current version. sparta-waf: SaaS WAF clb-waf: CLB WAF cdn-waf: web protection capability on CDN
Anycast	No	Integer	To be deprecated, currently just fill in 0. Anycast IP type switch: 0 Ordinary IP, 1 Anycast IP
Weights.N	No	Array of Integer	Weight of each IP in the back-to-source IP List, corresponding to SrcList. Required only when UpstreamType is 0, and SrcList contains multiple IPs, and LoadBalance is 2; otherwise, fill in [].
ActiveCheck	No	Integer	(Required) Whether to enable active health check 0: disable 1: enable
TLSVersion	No	Integer	TLS version information

CipherTemplate	No	Integer	(Required) Cipher suite template 0: default template 1: general template 2: security template 3: custom template
Ciphers.N	No	Array of Integer	Custom encryption suite list. When CipherTemplate is 3, this field is required, indicating the custom encryption suite, value obtained through DescribeCiphersDetail API.
ProxyReadTimeout	No	Integer	Read timeout between WAF and upstream server, 300s by default.
ProxySendTimeout	No	Integer	WAF and upstream server write timeout, 300s by default.
SniType	No	Integer	SNI type during WAF sending request to upstream 0: Disable SNI and do not configure server_name in client_hello. 1: Enable SNI. server_name in client_hello is a protected domain name. 2: Enable SNI. SNI is the origin server domain name during the domain name origin-pull. 3: Enable SNI. SNI is a custom domain name.
SniHost	No	String	When SniType=3, this parameter is required, indicating a custom SNI;
XFFReset	No	Integer	Whether to enable XFF reset. 0: disable; 1: enable.
Note	No	String	Domain name remarks
UpstreamHost	No	String	Custom upstream host. The default value is an empty string, indicating that protected domain is used as the upstream host.
ProxyBuffer	No	Integer	Whether to enable caching. 0: disable; 1: enable.
ProbeStatus	No	Integer	Whether to enable the test. 0: disable; 1: enable. The test is enabled by default.
GmType	No	Integer	Whether to enable SM. 0: do not enable SM; 1: add support for SM based on the existing TLS option; 2: enable SM and support only SM client access.
GmCertType	No	Integer	SM certificate type. 0: no SM certificate is available; 1: the certificate is a self-owned SM certificate; 2: the certificate is a managed SM certificate.

GmCert	No	String	When GmCertType is 1, this parameter needs to be set, indicating the certificate chain of the self-owned SM certificate.
GmPrivateKey	No	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the self-owned SM certificate.
GmEncCert	No	String	When GmCertType is 1, this parameter needs to be set, indicating the encryption certificate of the self-owned SM certificate.
GmEncPrivateKey	No	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the encryption certificate for the self-owned SM certificate.
GmSSLId	No	String	When GmCertType is 2, this parameter needs to be set, indicating the ID of the certificate managed by the Tencent Cloud SSL platform.

3. Output Parameters

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

4. Example

Example1 Adding a SaaS-type WAF Protection Domain

This example shows you how to add a SaaS-type WAF protection domain.

Input Example

```
POST / HTTP/1.1
Host: waf.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AddSpartaProtection
<common request parameters>

{
  "Ports": [
```

```
{
  "NginxServerId": "0",
  "Port": "80",
  "Protocol": "http",
  "UpstreamPort": "80",
  "UpstreamProtocol": "http"
},
{
  "Domain": "randy.qcloudwaf.com",
  "SrcList": [
    "125.36.35.4"
  ],
  "Weights": [],
  "UpstreamType": 0,
  "HttpsRewrite": 0,
  "CertType": 0,
  "IsCdn": 3,
  "IsGray": 0,
  "IsHttp2": 0,
  "IsWebsocket": 0,
  "ProxyBuffer": 1,
  "ActiveCheck": 0,
  "CipherTemplate": 1,
  "TLSVersion": 3,
  "Ciphers": [],
  "IsKeepAlive": "1",
  "LoadBalance": "0",
  "InstanceID": "waf_2kw60zgy0908e8j3",
  "Anycast": 0,
  "ProxyReadTimeout": 300,
  "ProxySendTimeout": 300,
  "SniHost": "randy.sni.com",
  "SniType": 0,
  "IpHeaders": [
    "x-real-ip"
  ],
  "XFFReset": 0,
  "UpstreamHost": "randy.upstream.com",
  "Note": "randy test domain",
  "ProbeStatus": 1
}
```

Output Example

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

```
"RequestId": "9ee8be5b-6caa-4c39-ab70-890e0e673515"
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.RedisOperationFailed	Failed to operate the Redis database.
InternalError	Internal error.
InternalError.AsynchronousCallFailed	Asynchronous call failed.
InvalidParameter	Parameter error.
InvalidParameter.CertificationParameterErr	Certificate information parameter error

InvalidParameter.DomainExceedsLimitErr	The number of domain names reached the upper limit.
InvalidParameter.DomainNotRecord	The domain name is not registered.
InvalidParameter.PortParameterErr	Port information parameter error
InvalidParameter.ProtectionDomainParameterErr	Protective domain parameter error
InvalidParameter.TLSParameterErr	TLS or encryption suite parameter error
InvalidParameter.UnauthorizedOperationParameterErr	Permission overstep parameter error
InvalidParameter.UpstreamParameterErr	Origin information parameter error
InvalidParameter.XFFResetParameterErr	XFF reset parameter error
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.
ResourceInUse.EmptyErr	EmptyErr
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

DescribePorts

Last updated : 2025-02-19 16:45:44

1. API Description

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

Obtain the SaaS-type WAF protection port 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: DescribePorts.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
InstanceId	No	String	Instance ID
Edition	No	String	Instance type

3. Output Parameters

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

Name		
HttpPorts	Array of String	HTTP Port List
HttpsPorts	Array of String	HTTPS port list
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtaining the List of Protected Ports

Input Example

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

```
{
  "InstanceID": "test-instance",
  "Edition": "sass-waf"
}
```

Output Example

```
{
  "Response": {
    "HttpPorts": [
      "80",
      "8080"
    ],
    "HttpsPorts": [
      "443",
      "8443"
    ]
  }
}
```

```
] ,  
  "RequestId": "ae989097-a74b-448a-94e6-4e87366b173b"  
}  
}
```

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	Internal error.

DescribeUserClbWafRegions

Last updated : 2025-02-19 16:45:43

1. API Description

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

During the addition and modification of Domain Configuration for CLB-type WAF, it is required to display the supported region list for CLB-type WAF (clb-waf) through DescribeUserClbWafRegions to obtain the currently available region list for the customer.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeUserClbWafRegions.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
AlbType	No	String	Traffic source. The default value is clb if not specified. clb: Cloud Load Balancer; tsegw: cloud-native API gateway; scf: Serverless Cloud Function; apisix: other gateways on Tencent Cloud.

3. Output Parameters

Parameter Name	Type	Description
Data	Array of String	Region (in standard ap-format) list Note: This field may return null, indicating that no valid values can be obtained.
RichDatas	Array of ClbWafRegionItem	Geographical information with detailed attributes Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtaining the Regions Where CLBWAF Is Available to Customers

Input Example

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

```
{"AlbType": "scf"}
```

Output Example

```
{
  "Response": {
    "Data": [
      "ap-guangzhou",
      "ap-shanghai"
    ],
    "RequestId": "4c8827fc-839c-4ecc-8ac5-d39456d163b9"
  }
}
```

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
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
ResourceInUse	Resources are occupied.

ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

RefreshAccessCheckResult

Last updated : 2025-02-19 16:45:40

1. API Description

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

Refresh integration check results. The backend will generate integration check tasks

A maximum of 3 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: RefreshAccessCheckResult.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Domain	Yes	String	Domain name

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 Refreshing the Access Configuration Check Result

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=RefreshAccessCheckResult
&Domain=www.test.com
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "9ee8be5b-6caa-4c39-ab70-890e0e673515"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DeleteSpartaProtection

Last updated : 2025-03-11 23:19:59

1. API Description

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

This API is used to delete a domain name protected by SaaS WAF.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteSpartaProtection.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domains.N	Yes	Array of String	Domain name list
Edition	No	String	Instance type
InstanceId	No	String	(Required) Instance ID of the domain name

3. Output Parameters

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

4. Example

Example1 Deleting a SaaS-type WAF Protection Domain

Input Example

```
POST / HTTP/1.1
Host: xxx.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteSpartaProtection
<common request parameters>

{
  "Domains": [
    "randy.qcloudwaf.com"
  ],
  "InstanceId": "waf_2kw60zgy0908e8j3"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "afa27f36-13f0-4c2c-b36b-bc70e79b4896"
  }
}
```

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
InternalServerError	Internal error.
InternalServerError.AsynchronousCallFailed	Asynchronous call failed.
InvalidParameter.UnauthorizedOperationParameterErr	Permission overstep parameter error
ResourceUnavailable	Resources are unavailable.

DescribeCiphersDetail

Last updated : 2025-02-19 16:45:45

1. API Description

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

Query SaaS WAF cipher suite 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: DescribeCiphersDetail.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.

3. Output Parameters

Parameter Name	Type	Description
Ciphers	Array of TLSCiphers	Cipher suite information

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

4. Example

Example1 Querying the Cipher Suite Information on Domain Names Protected by SaaS WAF

Input Example

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

```
{}
```

Output Example

```
{
  "Response": {
    "RequestId": "767bb64b-0c26-4797-b77d-3242a63199b9",
    "Ciphers": [
      {
        "VersionId": 0,
        "CipherId": 0,
        "CipherName": "DES-CBC3-SHA (supported versions: TLS 1.0, TLS 1.1, and TLS 1.2)"
      }
    ]
  }
}
```

5. Developer Resources

SDK

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

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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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.

RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

DescribeDomainDetailsClb

Last updated : 2025-02-19 16:45:45

1. API Description

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

Obtain CLB WAF domain 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: DescribeDomainDetailsClb.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
DomainId	Yes	String	Domain ID
InstanceId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
DomainsClbPartInfo	ClbDomainsInfo	CLB domain 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 Details of a Single Domain Name Protected by CLB WAF

Input Example

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

```
{
  "Domain": "lucasssli3.qcloud.com",
  "DomainId": "20200728142847163546341",
  "InstanceId": "waf_000000002"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "b4f13899-561b-46a0-a045-6ba6b72c38f2",
    "DomainsClbPartInfo": {
      "Domain": "lucasssli3.qcloudwaf.com",
      "DomainId": "waf-xOmbLKVc",
      "InstanceId": "waf_2kuil1fxvsfm7z3",
      "Edition": "clb-waf",
      "InstanceName": "gz-Default1",
      "IsCdn": 1,
      "FlowMode": 1,
      "LoadBalancerSet": [
```

```
{
  "ListenerId": "lb1-p081111a",
  "ListenerName": "http-80",
  "LoadBalancerId": "lb-azo6s2m8",
  "LoadBalancerName": "lb-6017c5bd",
  "Protocol": "HTTP",
  "Region": "gz",
  "Vip": "203.195.250.6",
  "Vport": 5803,
  "NumericalVpcId": 0,
  "LoadBalancerType": "OPEN"
},
{
  "State": 0,
  "AlbType": "clb",
  "IpHeaders": [
    "1.1.2.4"
  ],
  "CdcClusters": "cluster-asd"
}
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

DescribeDomainDetailsSaas

Last updated : 2025-02-19 16:45:44

1. API Description

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

Query individual SaaS WAF domain 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: DescribeDomainDetailsSaas.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
DomainId	Yes	String	Domain ID
InstanceId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
DomainsPartInfo	DomainsPartInfo	Domain name 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 Query individual SaaS WAF domain details

Query individual SaaS WAF domain details

Input Example

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

```
{
  "Domain": "lucasssli3.qcloud.com",
  "DomainId": "20200728142847163546341",
  "InstanceId": "waf_000000002"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "4552f857-a877-4ab1-b2f3-9d31930b7f4a",
    "DomainsPartInfo": {
      "Domain": "jackysaas010.qcloudwaf.com",
      "DomainId": "eca17401f4e55f4b946aa37a2212b729",
      "InstanceId": "waf_2kzew5sy0qzrn81b",
      "Edition": "sparta-waf",
      "InstanceName": "test010",
      "Cert": "-----BEGIN CERTIFICATE----- customer cert -----END CERTIFICATE-----",
```

```
"CertType": 0,
"Cls": 1,
"CreateTime": "2024-06-05 11:23:08",
"Cname": "dc1f8442749285feb56b39ac57049213.qcloudcjgj.com",
"Engine": 1,
"HttpsRewrite": 0,
"HttpsUpstreamPort": "80",
"IsKeepAlive": 1,
"IsCdn": 0,
"IsGray": 0,
"IsHttp2": 0,
"IsWebsocket": 0,
"LoadBalance": 0,
"Mode": 1,
"PrivateKey": "-----BEGIN RSA PRIVATE KEY----- customer key -----END RSA PRIVATE
KEY-----",
"SSLId": "cnKsi3a",
"UpstreamDomain": "jack.upstream.com",
"UpstreamScheme": "http",
"UpstreamType": 0,
"SrcList": [
  "143.26.159.6",
  "143.26.159.8"
],
"Weights": [
  "10",
  "10"
],
"Ports": [
  {
    "NginxServerId": 235574,
    "Port": "80",
    "Protocol": "http",
    "UpstreamPort": "80",
    "UpstreamProtocol": "http"
  }
],
"ActiveCheck": 0,
"TLSVersion": 3,
"Ciphers": [],
"CipherTemplate": 1,
"ProxyReadTimeout": 300,
"ProxySendTimeout": 300,
"SniType": 2,
"SniHost": "jack.sni.com",
"IpHeaders": [
  "x-real-ip"
```



```
],
  "XFFReset": 0,
  "Note": "jack domain",
  "Level": "300",
  "UpstreamHost": "jack.upstream.com",
  "ProxyBuffer": 1,
  "GmType": 0,
  "GmCertType": 0,
  "Labels": [
    "jack label"
  ]
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description

AuthFailure	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InternalError.DBErr	DBErr
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

ModifyDomainIpv6Status

Last updated : 2025-02-19 16:45:41

1. API Description

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

Toggle the IPv6 switch

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyDomainIpv6Status.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
InstanceId	Yes	String	Instance ID of the domain to be modified
Domain	Yes	String	Domain to modify
DomainId	Yes	String	Domain ID to be modified
Status	Yes	Integer	IPv6 switch for modifying domain is Status (1: enable, 2: disable)

3. Output Parameters

Parameter Name	Type	Description
Ipv6Status	Integer	Returned status (0: Operation Failed 1: Operation Succeeded 2: Not Supported for Enterprise Edition and Above 3: Not Supported for Below Enterprise Edition)
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Switching the Domain Name IPv6 Switch

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=ModifyDomainIpv6Status
&InstanceId=waf_xxx
&Status=1
&Domain=waf_xxx
&DomainId=waf_xxx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "e73994cd-f205-4f64-9878-aff70d81655d",
    "Ipv6Status": 1
  }
}
```

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	CAM signature/authentication error.
DryRunOperation	DryRun operation means the request will be successful, but the DryRun parameter is passed.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.

ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourceUnavailable.DomainIpv6InConfigErr	The IPv6 network is being allocated. Please wait patiently.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

CreateHost

Last updated : 2025-02-19 16:45:47

1. API Description

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

Add a protection domain in CLB-WAF

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateHost.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Host	Yes	HostRecord	Protection Domain Configuration Information
InstanceId	No	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description

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

4. Example

Example1 Adding a Domain Name Protected by CLB WAF

Input Example

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

```
{
  "InstanceId": "aabbcc",
  "Host": {
    "Status": "1",
    "Engine": "1",
    "Domain": "1",
    "DomainId": "1",
    "LoadBalancerSet": [
      {
        "Protocol": "1",
        "Zone": "1",
        "Region": "gz",
        "LoadBalancerName": "1",
        "ListenerId": "1",
        "Vip": "1",
        "ListenerName": "1",
        "LoadBalancerId": "1",
        "Vport": "1"
      }
    ],
    "Level": "1",
    "MainDomain": "snv.vom",
    "Region": "cd",
    "FlowMode": "1",
    "State": "1",
```



```
"ClsStatus": "1",
"IsCdn": "1",
"Mode": "1",
"Edition": "clb-waf"
}
}
```

Output Example

```
{
  "Response": {
    "RequestId": "97720395-7456-4a21-bcd9-1f32a7deaa90",
    "Error": {
      "Code": "ResourceInUse",
      "Message": "DomainExisted"
    }
  }
}
```

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
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

DescribeVipInfo

Last updated : 2025-02-19 16:45:42

1. API Description

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

Query VIP information based on filter criteria

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeVipInfo.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-singapore.
InstanceIds.N	Yes	Array of String	WAF instance ID list

3. Output Parameters

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

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

4. Example

Example1 Querying the VIP

This example shows you how to query the instance VIP information.

Input Example

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

```
{
  "InstanceIds": [
    "abc"
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "31fc0e49-7472-4ee4-a1a1-391b96119c7e",
    "VipInfo": [
      {
        "Vip": "120.23.93.35",
        "InstanceId": "waf_7j8fsghd0080b"
      }
    ]
  }
}
```

```
}  
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Log Service APIs

GetAttackHistogram

Last updated : 2025-02-19 16:45:39

1. API Description

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

This API is used to generate a bar chart for the generation time of attack 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: GetAttackHistogram.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Queried domain: use all for all domains
StartTime	Yes	Timestamp	Query start time
EndTime	Yes	Timestamp	Query end time
QueryString	Yes	String	Lucene syntax.

3. Output Parameters

Parameter Name	Type	Description
Data	Array of LogHistogramInfo	Statistics details
Period	Integer	Time period size
TotalCount	Integer	Number of entries counted
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Attack Log Statistical Details

Input Example

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

```
{
  "Domain": "abc",
  "StartTime": "2020-09-22 00:00:00",
  "EndTime": "2020-09-22 00:00:00",
  "QueryString": "abc"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "977c060f-4db5-4a48-95a1-bc4c7b141276",
    "Data": [
      {
        "Count": 0,
        "TimeStamp": 1598544000
      },
      {
        "Count": 0,
        "TimeStamp": 1598545800
      },
      {
        "Count": 0,
        "TimeStamp": 1598547600
      },
      {
        "Count": 0,
        "TimeStamp": 1598549400
      },
      {
        "Count": 0,
        "TimeStamp": 1598551200
      },
      {
        "Count": 0,
        "TimeStamp": 1598553000
      },
      {
        "Count": 0,
        "TimeStamp": 1598554800
      },
      {
        "Count": 0,
        "TimeStamp": 1598556600
      },
      {
        "Count": 0,
        "TimeStamp": 1598558400
      },
      {
        "Count": 0,
        "TimeStamp": 1598560200
      },
      {
        "Count": 0,
```



```
"TimeStamp": 1598562000
},
{
  "Count": 0,
  "TimeStamp": 1598563800
},
{
  "Count": 0,
  "TimeStamp": 1598565600
},
{
  "Count": 0,
  "TimeStamp": 1598567400
},
{
  "Count": 0,
  "TimeStamp": 1598569200
},
{
  "Count": 0,
  "TimeStamp": 1598571000
},
{
  "Count": 0,
  "TimeStamp": 1598572800
},
{
  "Count": 0,
  "TimeStamp": 1598574600
},
{
  "Count": 0,
  "TimeStamp": 1598576400
},
{
  "Count": 0,
  "TimeStamp": 1598578200
},
{
  "Count": 0,
  "TimeStamp": 1598580000
},
{
  "Count": 0,
  "TimeStamp": 1598581800
},
{
```

```
"Count": 17,  
"TimeStamp": 1598583600  
,  
{  
  "Count": 0,  
  "TimeStamp": 1598585400  
,  
{  
  "Count": 0,  
  "TimeStamp": 1598587200  
,  
{  
  "Count": 0,  
  "TimeStamp": 1598589000  
,  
{  
  "Count": 0,  
  "TimeStamp": 1598590800  
,  
{  
  "Count": 0,  
  "TimeStamp": 1598592600  
,  
{  
  "Count": 0,  
  "TimeStamp": 1598594400  
}  
],  
"Period": 1800,  
"TotalCount": 17  
}  
}
```

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
FailedOperation	Operation failed.
FailedOperation.CLSDBOperationFailed	Failed to call the CLS API.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InternalError.UnknownErr	An internal error exists. Please contact us.
InvalidParameter.LogicErr	Logical error: Logical errors in SQL search statements can also lead to mistakes, such as using incorrect operators, wrong conditions, etc.
InvalidParameter.QueryStringSyntaxErr	Syntax error: Logical expression syntax analysis failed.
InvalidParameter.SQLSyntaxErr	Syntax error: SQL search statements must follow specific syntax rules. Failure to do so, such as missing keywords, spelling errors, missing semicolons, etc., will cause SQL statements to not execute.
InvalidParameter.TypeMismatch	Data type error: The data types in SQL search statements must match those in the database, otherwise it will lead to errors. For example, comparing a string with an integer, incorrect date format, etc.

GetAttackTotalCount

Last updated : 2025-02-19 16:45:39

1. API Description

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

Display total attack count by querying based on conditions

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: GetAttackTotalCount.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
StartTime	Yes	Timestamp ISO8601	Start time
EndTime	Yes	Timestamp ISO8601	End time
Domain	Yes	String	Domain names queried. Fill in all for all domain names.
QueryString	Yes	String	Query criteria, "" by default

3. Output Parameters

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

4. Example

Example1 Total attack count

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=GetAttackTotalCount
&StartTime=2021-02-01T00:00:00+08:00
&EndTime=2021-02-25T23:59:59+08:00
&Domain=xxx
&QueryString=yyy
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 271652,
    "RequestId": "9b02bf9e-c89c-42c3-9ae1-685f968fa02d"
  }
}
```

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
FailedOperation	Operation failed.
FailedOperation.CLSDBOperationFailed	Failed to call the CLS API.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InternalError.UnknownErr	An internal error exists. Please contact us.
InvalidParameter.LogicErr	Logical error: Logical errors in SQL search statements can also lead to mistakes, such as using incorrect operators, wrong conditions, etc.
InvalidParameter.QueryStringSyntaxErr	Syntax error: Logical expression syntax analysis failed.
InvalidParameter.SQLSyntaxErr	Syntax error: SQL search statements must follow specific syntax rules. Failure to do so, such as missing keywords, spelling errors, missing semicolons, etc., will cause SQL statements to not execute.
InvalidParameter.TypeMismatch	Data type error: The data types in SQL search statements must match those in the database, otherwise it will lead to errors. For example, comparing a string with an integer, incorrect date format, etc.

ModifyDomainPostAction

Last updated : 2025-02-19 16:45:38

1. API Description

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

This API is used to modify the domain shipping status.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyDomainPostAction.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	www.tx.com
PostCLSAction	Yes	Integer	0- Disable shipping, 1- Enable shipping
PostCKafkaAction	Yes	Integer	0- Disable shipping, 1- Enable shipping

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 Modify the domain shipping status

Input Example

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

```
{
  "Domain": "www.test.com",
  "PostCLSAction": 1,
  "PostCKafkaAction": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "a20702ee-7206-4eeb-ba74-d13ecbc29c02"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
FailedOperation.CKafkaInternalError	CKafka internal error.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.

ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

SearchAttackLog

Last updated : 2025-02-19 16:45:38

1. API Description

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

The new version of the CLS API has parameter changes, with query changed to query_string to support Lucene syntax for API search queries.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: SearchAttackLog.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Queried domain: use all for all domains
StartTime	Yes	Timestamp	Query start time
EndTime	Yes	Timestamp	Query end time
Context	Yes	String	API upgrade. Input an empty string for this field. Use the Page field for page turning.

QueryString	Yes	String	Lucene syntax.
Count	No	Integer	Number of queries: 10 by default, up to 100
Sort	No	String	desc by default. Value can be set to desc or asc.
Page	No	Integer	Page number, starting from 0

3. Output Parameters

Parameter Name	Type	Description
Count	Integer	Number of attack logs returned
Context	String	API upgrade: this field is invalid, defaults to returning an empty string
Data	Array of AttackLogInfo	Attack log array entry content
ListOver	Boolean	CLS API returned content
SqlFlag	Boolean	CLS API returned content, indicating whether to enable the new version index
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Searching for Attack Log Details

This example shows you how to search for attack log details.

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=SearchAttackLog
&StartTime=2020-09-22 00:00:00
&EndTime=2020-09-22 00:00:00
&Domain=all
&Context=
&QueryString=method:GET
```

```
&Sort=desc
<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Count": 1,
    "Context": "cont",
    "ListOver": false,
    "SqlFlag": false,
    "Data": [
      {
        "Content": "{\"action\":1,\"args_name\":\"HTTP Header\"}",
        "FileName": "name",
        "Source": "sre",
        "TimeStamp": "2020-09-22 00:00:00"
      }
    ],
    "RequestId": "ead32d5d-a9ac-496f-b8e3-d3a92f1fb1ce"
  }
}
```

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	Operation failed.
FailedOperation.CLSDBOperationFailed	Failed to call the CLS API.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InternalError.UnknownErr	An internal error exists. Please contact us.
InvalidParameter.LogicErr	Logical error: Logical errors in SQL search statements can also lead to mistakes, such as using incorrect operators, wrong conditions, etc.
InvalidParameter.QueryStringSyntaxErr	Syntax error: Logical expression syntax analysis failed.
InvalidParameter.TypeMismatch	Data type error: The data types in SQL search statements must match those in the database, otherwise it will lead to errors. For example, comparing a string with an integer, incorrect date format, etc.
UnsupportedOperation	The operation is not supported.

Security Overview APIs

DescribeAttackType

Last updated : 2025-02-19 16:45:12

1. API Description

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

Query the top N attack types for a specified domain

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeAttackType.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-shanghai.
FromTime	Yes	Timestamp	Start time
ToTime	Yes	Timestamp	End time
Host	No	String	Compatible host, gradually phasing out Host field
Edition	No	String	Only two values are valid: sparta-waf, clb-waf. No filtering if not input.

InstanceId	No	String	WAF instance ID. No filter will be carried out if it is not input.
Domain	No	String	Domain filtering, not applied if not input, used to replace Host field and phase out Host

3. Output Parameters

Parameter Name	Type	Description
Piechart	Array of PiechartItem	Quantity
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 Number of Bots

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeAttackType
&Host=www.test.com
&FromTime=2020-02-24 00:00:00
&ToTime=2020-02-24 19:00:00
&Edition=clb-waf
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "9ee8be5b-6caa-4c39-ab70-890e0e673515",
    "Piechart": []
  }
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
MissingParameter	Parameters are missing

DescribeHistogram

Last updated : 2025-02-19 16:45:12

1. API Description

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

Query various conditions of cluster analysis

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeHistogram.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-shanghai.
FromTime	Yes	Timestamp	Start time
ToTime	Yes	Timestamp	End time
QueryField	Yes	String	Clustering fields. ip: IP aggregation; art: response time aggregation; url: URL aggregation; local: city aggregation after IP conversion; qps: second-level peak request count aggregation; up: peak upstream bandwidth aggregation; down: peak downstream bandwidth aggregation

Source	Yes	String	Condition, access for access logs, attack for attack logs
Host	No	String	Compatible host, gradually phasing out Host field
Edition	No	String	Only two values are valid: sparta-waf, clb-waf. No filtering if not input.
InstanceId	No	String	WAF instance ID. No filter will be carried out if it is not input.
Domain	No	String	Domain filtering, not applied if not input, used to replace Host field and phase out Host

3. Output Parameters

Parameter Name	Type	Description
Histogram	Array of String	Statistical data
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 Number of Bots

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeHistogram
&Host=www.test.com
&FromTime=2019-12-30 00:00:00
&ToTime=2019-12-31 00:00:00
&Edition=clb-waf
&QueryField=ip
&Source=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Histogram": [
      {"count":43,"ip":"128.14.129.10"},
      {"count":43,"ip":"8.220.210.24"},
      {"count":42,"ip":"185.191.126.248"},
      {"count":40,"ip":"141.98.11.178"},
      {"count":33,"ip":"9.190.110.251"}
    ],
    "RequestId": "cce2cdd7-8e54-4c08-b669-648adb1b49c1"
  }
}
```

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	Operation failed.

InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameterValue	Invalid parameter value.
MissingParameter	Parameters are missing

DescribePeakPoints

Last updated : 2025-02-19 16:45:11

1. API Description

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

Query business and attack summary trends

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribePeakPoints.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-shanghai.
FromTime	Yes	Timestamp	Query start time
ToTime	Yes	Timestamp	Query End Time
Domain	No	String	The domain to query, leave this parameter blank if querying data for all domains
Edition	No	String	Only two values are valid: sparta-waf, clb-waf. No filtering if not input.

InstanceId	No	String	WAF instance ID. No filter will be carried out if it is not input.
MetricName	No	String	Twelve available values: access: peak QPS trend chart botAccess: peak bot QPS trend chart down: downstream peak bandwidth trend chart up: upstream peak bandwidth trend chart attack: trend chart of total web attacks cc: trend chart of total CC attacks bw: trend chart of total attacks from blocklisted IP addresses tamper: trend chart of total tampering attacks leak: total leakage trend chart acl: trend chart of total access control attacks http_status: status code trend chart wx_access: trend chart of peak WeChat mini program QPS

3. Output Parameters

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

4. Example

Example1 Query business and attack summary trends

Input Example

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

```
{
  "FromTime": "2021-07-21 00:00:00",
  "ToTime": "2021-07-21 23:59:59"
}
```

Output Example

```
{
  "Response": {
    "Points": [
      {
        "Time": 1626908400,
        "Access": 0,
        "BotAccess": 0,
        "Attack": 0,
        "Cc": 0,
        "Down": 0,
        "Up": 0,
        "StatusServerError": 1,
        "StatusClientError": 1,
        "StatusRedirect": 1,
        "StatusOk": 1,
        "UpstreamServerError": 1,
        "UpstreamClientError": 1,
        "UpstreamRedirect": 1
      },
      {
        "Time": 1626908460,
        "Access": 0,
        "BotAccess": 0,
        "Attack": 0,
        "Cc": 0,
        "Down": 0,
        "Up": 0,
        "StatusServerError": 1,
        "StatusClientError": 1,
        "StatusRedirect": 1,
        "StatusOk": 1,
        "UpstreamServerError": 1,
        "UpstreamClientError": 1,
        "UpstreamRedirect": 1
      },
      {
        "Time": 1626908520,
        "Access": 0,
```



```
"BotAccess": 0,
"Attack": 0,
"Cc": 0,
"Down": 0,
"Up": 0,
"StatusServerError": 1,
"StatusClientError": 1,
"StatusRedirect": 1,
"StatusOk": 1,
"UpstreamServerError": 1,
"UpstreamClientError": 1,
"UpstreamRedirect": 1
},
{
  "Time": 1626908580,
  "Access": 0,
  "BotAccess": 0,
  "Attack": 0,
  "Cc": 0,
  "Down": 0,
  "Up": 0,
  "StatusServerError": 1,
  "StatusClientError": 1,
  "StatusRedirect": 1,
  "StatusOk": 1,
  "UpstreamServerError": 1,
  "UpstreamClientError": 1,
  "UpstreamRedirect": 1
},
{
  "Time": 1626908640,
  "Access": 0,
  "BotAccess": 0,
  "Attack": 0,
  "Cc": 0,
  "Down": 0,
  "Up": 0,
  "StatusServerError": 1,
  "StatusClientError": 1,
  "StatusRedirect": 1,
  "StatusOk": 1,
  "UpstreamServerError": 1,
  "UpstreamClientError": 1,
  "UpstreamRedirect": 1
},
{
  "Time": 1626908700,
```

```
"Access": 0,
"BotAccess": 0,
"Attack": 0,
"Cc": 0,
"Down": 0,
"Up": 0,
"StatusServerError": 1,
"StatusClientError": 1,
"StatusRedirect": 1,
"StatusOk": 1,
"UpstreamServerError": 1,
"UpstreamClientError": 1,
"UpstreamRedirect": 1
},
{
"Time": 1626908760,
"Access": 0,
"BotAccess": 0,
"Attack": 0,
"Cc": 0,
"Down": 0,
"Up": 0,
"StatusServerError": 1,
"StatusClientError": 1,
"StatusRedirect": 1,
"StatusOk": 1,
"UpstreamServerError": 1,
"UpstreamClientError": 1,
"UpstreamRedirect": 1
},
{
"Time": 1626908820,
"Access": 0,
"BotAccess": 0,
"Attack": 0,
"Cc": 0,
"Down": 0,
"Up": 0,
"StatusServerError": 1,
"StatusClientError": 1,
"StatusRedirect": 1,
"StatusOk": 1,
"UpstreamServerError": 1,
"UpstreamClientError": 1,
"UpstreamRedirect": 1
},
{
```

```
"Time": 1626908880,
"Access": 0,
"BotAccess": 0,
"Attack": 0,
"Cc": 0,
"Down": 0,
"Up": 0,
"StatusServerError": 1,
"StatusClientError": 1,
"StatusRedirect": 1,
"StatusOk": 1,
"UpstreamServerError": 1,
"UpstreamClientError": 1,
"UpstreamRedirect": 1
},
{
  "Time": 1626908940,
  "Access": 0,
  "BotAccess": 0,
  "Attack": 0,
  "Cc": 0,
  "Down": 0,
  "Up": 0,
  "StatusServerError": 1,
  "StatusClientError": 1,
  "StatusRedirect": 1,
  "StatusOk": 1,
  "UpstreamServerError": 1,
  "UpstreamClientError": 1,
  "UpstreamRedirect": 1
},
{
  "Time": 1626909000,
  "Access": 0,
  "BotAccess": 0,
  "Attack": 0,
  "Cc": 0,
  "Down": 0,
  "Up": 0,
  "StatusServerError": 1,
  "StatusClientError": 1,
  "StatusRedirect": 1,
  "StatusOk": 1,
  "UpstreamServerError": 1,
  "UpstreamClientError": 1,
  "UpstreamRedirect": 1
}
```

```
] ,
  "RequestId": "ead32d5d-a9ac-496f-b8e3-d3a92f1fb1ce"
}
```

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
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.

InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.
RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

DescribePolicyStatus

Last updated : 2025-02-19 16:45:11

1. API Description

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

Obtain protection status and the effective instance 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: DescribePolicyStatus.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul.
Domain	Yes	String	Domain name
Edition	Yes	String	clb-waf or saas-waf

3. Output Parameters

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

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

4. Example

Example1 DescribePolicyStatus

Input Example

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

```
{
  "Domain": "test.com",
  "Edition": "saas-waf"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "b7984267-1b60-4979-accb-8f1ca497f827",
    "InstanceId": "avcsm-1ads",
    "Status": 0
  }
}
```

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	Internal error.
UnsupportedOperation	The operation is not supported.

DescribeTopAttackDomain

Last updated : 2025-02-19 16:45:10

1. API Description

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

Query top 5 attack domains

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeTopAttackDomain.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-shanghai.
FromTime	Yes	Timestamp	Query start time
ToTime	Yes	Timestamp	Query end time
Count	No	Integer	Top N, selectable from 0-10. The default is 10.
Edition	No	String	Only two values are valid: sparta-waf, clb-waf. No filtering if not input.

InstanceId	No	String	WAF instance ID. No filter will be carried out if it is not input.
------------	----	--------	--

3. Output Parameters

Parameter Name	Type	Description
CC	Array of KVInt	CC attack domain list
Web	Array of KVInt	Web attack domain 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 Query top 5 attack domains

Input Example

```
https://waf.intl.tencentcloudapi.com/?Action=DescribeTopAttackDomain
&FromTime=2020-02-20 00:00:00
&ToTime=2020-02-21 00:00:00
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "CC": [],
    "Web": [],
    "RequestId": "a4010dd1-d24b-43f5-bab4-8a6b204835b7"
  }
}
```

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
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Parameter error.

DescribeAttackOverview

Last updated : 2025-02-19 16:45:12

1. API Description

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

This API is used to describe the attack overview.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeAttackOverview.
Version	Yes	String	Common Params . The value used for this API: 2018-01-25.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product. This API only supports: ap-guangzhou, ap-seoul, ap-shanghai.
FromTime	Yes	Timestamp	Query start time
ToTime	Yes	Timestamp	Query end time
Appid	No	Integer	Customer app ID
Domain	No	String	Queried domain
Edition	No	String	Only two values are valid: sparta-waf, clb-waf. No filtering if not

			input.
InstanceId	No	String	WAF instance ID. No filter will be carried out if it is not input.

3. Output Parameters

Parameter Name	Type	Description
AccessCount	Integer	Total number of access requests
AttackCount	Integer	Total web attacks
ACLCount	Integer	Total number of access controls
CCCount	Integer	Total CC attacks
BotCount	Integer	Total bot attack count
ApiAssetsCount	Integer	Total API assets
ApiRiskEventCount	Integer	Number of API risk events Note: This field may return null, indicating that no valid values can be obtained.
IPBlackCount	Integer	Total number of blocklisted IP addresses. Note: This field may return null, indicating that no valid values can be obtained.
TamperCount	Integer	Total number of tamper-proof items Note: This field may return null, indicating that no valid values can be obtained.
LeakCount	Integer	Total number of information leaks Note: This field may return null, indicating that no valid values can be obtained.
ApiRiskEventCircleCount	Integer	Weekly proportion of API risk events. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for

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

4. Example

Example1 Obtaining the Total Number of Requests in a Specified Time Period

Obtain the total number of requests within a specified time period. This API does not require a CLS purchase by the customer.

Input Example

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

```
{
  "FromTime": "2023-02-06 00:00:00",
  "ToTime": "2023-02-06 23:59:59"
}
```

Output Example

```
{
  "Response": {
    "AccessCount": 158,
    "AttackCount": 98,
    "ACLCount": 0,
    "CCCount": 0,
    "BotCount": 0,
    "ApiAssetsCount": 1,
    "RequestId": "8a3b7134-77f9-4ee5-b30e-73809ccad10f"
  }
}
```

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	CAM signature/authentication error.
FailedOperation	Operation failed.
FailedOperation.CLSInternalError	CLS internal error.
InternalError	Internal error.
InvalidParameter	Parameter error.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Parameters are missing
OperationDenied	Operation denied.

RequestLimitExceeded	Too frequent requests
ResourceInUse	Resources are occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	Resources do not exist.
ResourceUnavailable	Resources are unavailable.
ResourcesSoldOut	Resources are sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	The operation is not supported.

Data Types

Last updated : 2024-11-27 09:47:17

ApiPkg

API security resource information

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Status Note: This field may return null, indicating that no valid values can be obtained.
Region	Integer	No	Region Note: This field may return null, indicating that no valid values can be obtained.
BeginTime	String	No	Start time Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time Note: This field may return null, indicating that no valid values can be obtained.
InquireNum	Integer	No	Application Quantity Note: This field may return null, indicating that no valid values can be obtained.
UsedNum	Integer	No	Usage Quantity

			Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	No	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.
BillingItem	String	No	Billing item. Note: This field may return null, indicating that no valid values can be obtained.
IsAPISecurityTrial	Integer	No	API security 7-day trial flag. 1 for trial. 0 for no trial. Note: This field may return null, indicating that no valid values can be obtained.

AttackLogInfo

Attack Log Details

Used by actions: SearchAttackLog.

Name	Type	Description
Content	String	Details of Attack Logs
FileName	String	CLS Returned Content
Source	String	CLS Returned Content
TimeStamp	Timestamp	CLS Returned Content

BatchIpAccessControlData

Returned description of the multi-domain blocklist/allowlist

Used by actions: DescribeBatchIpAccessControl.

Name	Type	Description
TotalCount	Integer	Total number
Res	Array of BatchIpAccessControlItem	Entries of blocklist/allowlist

BatchIpAccessControlItem

Batch multi-domain blocklist/allowlist IP list

Used by actions: DescribeBatchIpAccessControl.

Name	Type	Description
Id	String	MongoDB Table Auto-increment ID Note: This field may return null, indicating that no valid values can be obtained.
ActionType	Integer	Blocklist 42 or allowlist 40
Ip	String	IP of the blocklist/allowlist
Note	String	Remarks
Source	String	Path addition
TsVersion	Integer	Modification time
ValidTs	Integer	Timeout period
Hosts	Array of String	Domain name list
RuleId	Integer	55101145 Note: This field may return null, indicating that no valid values can be obtained.
IpList	Array of String	IP list Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	Integer	Creation time Note: This field may return null, indicating that no valid values can be obtained.
JobType	String	Scheduled task type Note: This field may return null, indicating that no valid values can be obtained.
CronType	String	Periodic task type Note: This field may return null, indicating that no valid values can be

		obtained.
JobDateTime	JobDateTime	Scheduled task configuration details Note: This field may return null, indicating that no valid values can be obtained.
ValidStatus	Integer	Effective status Note: This field may return null, indicating that no valid values can be obtained.

BotPkg

Bot Resource Information

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Status Note: This field may return null, indicating that no valid values can be obtained.
Region	Integer	No	Region Note: This field may return null, indicating that no valid values can be obtained.
BeginTime	String	No	Start time Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time Note: This field may return null, indicating that no valid values can be obtained.
InquireNum	Integer	No	Application Quantity

			Note: This field may return null, indicating that no valid values can be obtained.
UsedNum	Integer	No	Usage Quantity Note: This field may return null, indicating that no valid values can be obtained.
Type	String	No	Sub-product code. Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	No	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.
BotCPWaf	Integer	No	Purchase Page Bot 40% Off Note: This field may return null, indicating that no valid values can be obtained.
BotNPWaf	Integer	No	Console Buy Bot with 50% Off Note: This field may return null, indicating that no valid values can be obtained.
IsBotTrial	Integer	No	7-day Bot Trial Identification, 1 for Trial, 0 for No Trial Note: This field may return null, indicating that no valid values can be obtained.

BotQPS

Bot's QPS details

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	Yes	Resource ID
ValidTime	String	Yes	Expiration time
Count	Integer	Yes	Resource quantity.
Region	String	Yes	Resource Location

MaxBotQPS	Integer	Yes	Maximum QPS Usage
RenewFlag	Integer	Yes	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.

CCRuleData

Data Encapsulation

Used by actions: DescribeCCRule.

Name	Type	Description
Res	Array of CCRuleItem	CC rules
TotalCount	Integer	Number of Rules

CCRuleItem

CC rules

Used by actions: DescribeCCRule.

Name	Type	Description
ActionType	Integer	Action
Advance	Integer	Advanced mode
Interval	Integer	Time period
Limit	Integer	Limit Attempts
MatchFunc	Integer	Matching Method
Name	String	Name
Priority	Integer	Priority
Status	Integer	Status
TsVersion	Integer	Update Timestamp

Url	String	Matching URL
ValidTime	Integer	Policy Action Validity Period
OptionsArr	String	Advanced Parameters Note: This field may return null, indicating that no valid values can be obtained.
Length	Integer	URL length Note: This field may return null, indicating that no valid values can be obtained.
RuleId	Integer	Rule ID Note: This field may return null, indicating that no valid values can be obtained.
EventId	String	Event ID Note: This field may return null, indicating that no valid values can be obtained.
SessionApplied	Array of Integer	Associated session rules Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	Integer	Creation time Note: This field may return null, indicating that no valid values can be obtained.

CCRuleItems

CC rule details

Used by actions: DescribeCCRuleList.

Name	Type	Description
Name	String	Name
Status	Integer	Status
Advance	Integer	Mode

Limit	Integer	Limit
Interval	Integer	Detection interval
Url	String	URL
MatchFunc	Integer	Type to match
ActionType	Integer	Action
Priority	Integer	Priority
ValidTime	Integer	Expiration time
TsVersion	Integer	Version
Options	String	Rule details
RuleId	Integer	Rule ID
EventId	String	Event ID Note: This field may return null, indicating that no valid values can be obtained.
SessionApplied	Array of Integer	Associated session rules Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	Integer	Creation time Note: This field may return null, indicating that no valid values can be obtained.

CCRuleLists

CC rule overview

Used by actions: DescribeCCRuleList.

Name	Type	Description
TotalCount	Integer	Total number
Res	Array of	Rule

[CCRuleItems](#)

Note: This field may return null, indicating that no valid values can be obtained.

CacheUrlItems

Tamper-proof URL Elements

Used by actions: DescribeAntiFakeRules.

Name	Type	Description
Id	Integer	Identifier
Name	String	Name
Domain	String	Domain name
Uri	String	URL
Protocol	String	Protocol
Status	Integer	Status
ModifyTime	String	Modification time Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time Note: This field may return null, indicating that no valid values can be obtained.

ClbDomainsInfo

Details about the domain name protected by CLB WAF

Used by actions: DescribeDomainDetailsClb.

Name	Type	Description
Domain	String	Domain name
DomainId	String	Unique domain name ID

InstanceId	String	Instance ID of the domain name
InstanceName	String	Name of the instance of the domain name
Edition	String	Instance type of the domain name
IsCdn	Integer	Whether a layer-7 proxy service is deployed before the WAF. 0: No proxy service is deployed; 1: The proxy service is deployed. The WAF will use XFF to obtain the client IP address; 2: The proxy service is deployed. The WAF will use remote_addr to obtain the client IP address; 3: The proxy service is deployed. The WAF will use a custom header in ip_headers to obtain the client IP address.
LoadBalancerSet	Array of LoadBalancerPackageNew	CLB information when the CLB type is clb
FlowMode	Integer	CLB WAF traffic mode. 1: cleaning mode; 0: image mode
State	Integer	Domain name-bound CLB status Note: This field may return null, indicating that no valid values can be obtained.
AlbType	String	CLB Type, either CLB or Apisix Note: This field may return null, indicating that no valid values can be obtained.
IpHeaders	Array of String	IsCdn=3 indicates custom header Note: This field may return null, indicating that no valid values can be obtained.
CdcClusters	String	CDC cluster information for the WAF of the cdc-clb-waf type Note: This field may return null, indicating that no valid values can be obtained.
CloudType	String	Cloud Type: public: Public Cloud; private: Private Cloud; hybrid: Hybrid Cloud Note: This field may return null, indicating that no valid values can be obtained.
Note	String	Domain name remarks Note: This field may return null, indicating that no valid values can be obtained.

Labels	Array of String	Domain name tag. Note: This field may return null, indicating that no valid values can be obtained.
--------	-----------------	--

ClbObject

CLB type protection object

Used by actions: DescribeObjects.

Name	Type	Description
ObjectId	String	Object ID
InstanceId	String	Instance ID
InstanceName	String	Instance name
PreciseDomains	Array of String	Precise Domain List
Status	Integer	WAF Feature Switch Status, 0 Off 1 On
ClsStatus	Integer	WAF Log Switch Status, 0 Off 1 On
VirtualDomain	String	Virtual Domain Name Corresponding to CLB Object
ObjectName	String	Object name
PublicIp	Array of String	Public network address
PrivateIp	Array of String	Private network address
VpcName	String	VPC name
Vpc	String	VPC ID
InstanceLevel	Integer	WAF instance level, if no instance is bound, it is 0
PostCLSStatus	Integer	CLB Shipping Switch

PostCKafkaStatus	Integer	Kafka Shipping Switch
Type	String	Object type: CLB: Load Balancer, TSE: Cloud-native Gateway Note: This field may return null, indicating that no valid values can be obtained.
Region	String	Object Region Note: This field may return null, indicating that no valid values can be obtained.
Proxy	Integer	Proxy status. 0: disabled; 1: Use the first IP address in XFF as the client IP address; 2: Use remote_addr as the client IP address; 3: Obtain the client IP address from the specified header field. The field is given by the IpHeaders field. Note: This field may return null, indicating that no valid values can be obtained.
IpHeaders	Array of String	List of header fields for obtaining the client IP. This parameter is effective when IsCdn is 3. Note: This field may return null, indicating that no valid values can be obtained.
BotStatus	Integer	Bot protection switch Note: This field may return null, indicating that no valid values can be obtained.
ApiStatus	Integer	API protection switch Note: This field may return null, indicating that no valid values can be obtained.
ObjectFlowMode	Integer	Object access mode. 0: image mode; 1: cleaning mode; 2: examination mode. By default, the cleaning mode is used. Note: This field may return null, indicating that no valid values can be obtained.
NumericalVpcId	Integer	VPC ID in numerical format Note: This field may return null, indicating that no valid values can be obtained.

ClbWafRegionItem

CLB-WAF Regional Information

Used by actions: DescribeUserClbWafRegions.

Name	Type	Description
Id	String	Region ID Note: This field may return null, indicating that no valid values can be obtained.

Text	String	Regional Chinese Description Note: This field may return null, indicating that no valid values can be obtained.
Value	String	Full English Name of the Region Note: This field may return null, indicating that no valid values can be obtained.
Code	String	Region encoding Note: This field may return null, indicating that no valid values can be obtained.

CreateDealsGoods

Input/Output parameter goods of billing & ordering API

Used by actions: CreateDeals.

Name	Type	Required	Description
GoodsNum	Integer	Yes	Number of products
GoodsDetail	CreateDealsGoodsDetail	Yes	Product Detail
GoodsCategoryId	Integer	No	Order type ID, which is used to uniquely identify a business scene. (There are three scenes in total: new purchase, configuration change, and renewal.) Advanced Edition: 102375 (new purchase), 102376 (renewal), and 102377 (configuration change) Enterprise Edition: 102378 (new purchase), 102379 (renewal), and 102380 (configuration change) Ultimate Edition: 102369 (new purchase), 102370 (renewal), and 102371 (configuration change) Domain name package: 102372 (new purchase), 102373 (renewal), and 102374 (configuration change) Business expansion package: 101040 (new purchase), 101041 (renewal), and 101042 (configuration change) Advanced Edition - CLB: 101198 (new

			purchase), 101199 (renewal), and 101200 (configuration change) Enterprise Edition - CLB: 101204 (new purchase), 101205 (renewal), and 101206 (configuration change) Ultimate Edition - CLB: 101201 (new purchase), 101202 (renewal), and 101203 (configuration change) Domain name package - CLB: 101207 (new purchase), 101208 (renewal), and 101209 (configuration change) Business expansion package - CLB: 101210 (new purchase), 101211 (renewal), and 101212 (configuration adjustment) Note: This field may return null, indicating that no valid values can be obtained.
RegionId	Integer	No	Region ID for purchasing WAF instance 1 indicates purchasing resources in Chinese mainland. 9 indicates purchasing resources outside Chinese mainland. Note: This field may return null, indicating that no valid values can be obtained.

CreateDealsGoodsDetail

Product details

Used by actions: CreateDeals.

Name	Type	Required	Description
TimeSpan	Integer	No	Time interval Note: This field may return null, indicating that no valid values can be obtained.
TimeUnit	String	No	Unit, support for purchasing d, m, y, i.e., (day, month, year) Note: This field may return null, indicating that no valid values can be obtained.

SubProductCode	String	No	Sub-product tag. It is mandatory for new purchase and renewal. For configuration change, it will be placed in oldConfig and newConfig. SaaS Advanced Edition: sp_wsm_waf_premium SaaS Enterprise Edition: sp_wsm_waf_enterprise SaaS Ultimate Edition: sp_wsm_waf_ultimate SaaS business expansion package: sp_wsm_waf_qpsep SaaS domain name expansion package: sp_wsm_waf_domain Advanced Edition - CLB: sp_wsm_waf_premium_clb Enterprise Edition - CLB: sp_wsm_waf_enterprise_clb Ultimate Edition - CLB: sp_wsm_waf_ultimate_clb business expansion package - CLB: sp_wsm_waf_qpsep_clb Domain name expansion package - CLB: sp_wsm_waf_domain_clb Note: This field may return null, indicating that no valid values can be obtained.
Pid	Integer	No	PID applied for a business product (corresponding to a pricing formula). The pricing model can be found through PID billing. Advanced Edition: 1000827 Enterprise Edition: 1000830 Ultimate Edition: 1000832 Domain name package: 1000834 Business expansion package: 1000481 Advanced Edition - CLB: 1001150 Enterprise Edition - CLB: 1001152 Ultimate Edition - CLB: 1001154 Domain name package - CLB: 1001156 Business expansion package - CLB: 1001160 Note: This field may return null, indicating that no valid values can be obtained.
InstanceName	String	No	WAF Instance Name Note: This field may return null, indicating that no valid values can be obtained.
AutoRenewFlag	Integer	No	1: Auto-renewal, 0: No Auto-renewal Note: This field may return null, indicating that no valid values can be obtained.

RealRegion	Integer	No	Actual Geographic Information of WAF Purchase Note: This field may return null, indicating that no valid values can be obtained.
LabelTypes	Array of String	No	Billing Detail Tag Array SaaS Advanced Edition: sv_wsm_waf_package_premium SaaS Enterprise Edition: sv_wsm_waf_package_enterprise SaaS Ultimate Edition: sv_wsm_waf_package_ultimate SaaS non-Chinese Mainland Advanced Edition: sv_wsm_waf_package_premium_intl SaaS non-Chinese Mainland Enterprise Edition: sv_wsm_waf_package_enterprise_intl SaaS non-Chinese Mainland Ultimate Edition: sv_wsm_waf_package_ultimate_intl SaaS business expansion package: sv_wsm_waf_qps_ep SaaS domain name expansion package: sv_wsm_waf_domain Advanced Edition CLB: sv_wsm_waf_package_premium_clb Enterprise Edition CLB: sv_wsm_waf_package_enterprise_clb Ultimate Edition CLB: sv_wsm_waf_package_ultimate_clb Non-Chinese Mainland Advanced Edition CLB: sv_wsm_waf_package_premium_clb_intl Non-Chinese Mainland Enterprise Edition CLB: sv_wsm_waf_package_premium_clb_intl Non-Chinese Mainland Ultimate Edition CLB: sv_wsm_waf_package_ultimate_clb_intl Business expansion package CLB: sv_wsm_waf_qps_ep_clb Domain name expansion package CLB: sv_wsm_waf_domain_clb Note: This field may return null, indicating that no valid values can be obtained.
LabelCounts	Array of Integer	No	Number of Billing Detail Tags, Generally Corresponds One-to-One with SvLabelType Note: This field may return null, indicating that no valid values can be obtained.
CurDeadline	String	No	Dynamic Configuration Usage, Instance Expiration Time Note: This field may return null, indicating that no valid values can be obtained.

InstanceId	String	No	Purchasing Bot or API Security for Existing Instances Note: This field may return null, indicating that no valid values can be obtained.
ResourceId	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.

CronJob

Data structure of periodic rule execution

Used by actions: AddCustomRule, AddCustomWhiteRule, CreateIpAccessControl, ModifyCustomRule, ModifyCustomWhiteRule, ModifyIpAccessControl.

Name	Type	Required	Description
Days	Array of Integer	No	Days in each month for execution Note: This field may return null, indicating that no valid values can be obtained.
WDays	Array of Integer	No	Days of each week for execution Note: This field may return null, indicating that no valid values can be obtained.
StartTime	String	No	Start time Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time Note: This field may return null, indicating that no valid values can be obtained.

DealData

Billing order response entity

Used by actions: CreateDeals, GenerateDealsAndPayNew.

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Name	Type	Description
DealNames	Array of String	Order Number List: the number of elements matches the number of elements in the Goods array of the request package. Product details correspond to orders in sequence
BigDealId	String	Large Order Number, a large order number can have multiple sub-orders, indicating the same order placement [{},{}]

DescribeAntiInfoLeakRulesStrategyItem

Specific rule elements within the rule elements returned by DescribeAntiInfoLeakRules

Used by actions: DescribeAntiInfoLeakageRules.

Name	Type	Description
Field	String	Field
CompareFunc	String	Condition
Content	String	Content

DescribeAntiLeakageItem

Output parameters

Used by actions: DescribeAntiInfoLeakageRules.

Name	Type	Description
RuleId	Integer	Rule ID
Name	String	Name
Status	Integer	Status value
Action	String	Action
CreateTime	String	Creation time
Strategies	Array of DescribeAntiInfoLeakRulesStrategyItem	Match condition Note: This field may return null, indicating that no valid values can be obtained.

Uri	String	Matched URL Note: This field may return null, indicating that no valid values can be obtained.
ModifyTime	String	Modification time Note: This field may return null, indicating that no valid values can be obtained.

DescribeCustomRulesRspRuleListItem

Complex type in the DescribeCustomRules interface response packet

Used by actions: DescribeCustomRuleList, DescribeCustomWhiteRule.

Name	Type	Description
ActionType	String	Action type
Bypass	String	Skipped Policy
CreateTime	String	Creation time
ExpireTime	String	Expiration time
Name	String	Policy name
Redirect	String	URL for redirection
RuleId	String	Policy ID
SortId	String	Priority
Status	String	Status
Strategies	Array of Strategy	Policy details
EventId	String	Event ID Note: This field may return null, indicating that no valid values can be obtained.
ModifyTime	String	Modification time

		Note: This field may return null, indicating that no valid values can be obtained.
ValidStatus	Integer	Effective status Note: This field may return null, indicating that no valid values can be obtained.
Source	String	Source Note: This field may return null, indicating that no valid values can be obtained.
JobType	String	Scheduled task type Note: This field may return null, indicating that no valid values can be obtained.
JobDateTime	JobDateTime	Scheduled task configuration Note: This field may return null, indicating that no valid values can be obtained.
CronType	String	Periodic task granularity Note: This field may return null, indicating that no valid values can be obtained.
Label	String	Custom tag in risk control rules, indicating whether a rule is built-in or user-defined Note: This field may return null, indicating that no valid values can be obtained.
Pageld	String	ID of the blocked page Note: This field may return null, indicating that no valid values can be obtained.
Domain	String	Domain name Note: This field may return null, indicating that no valid values can be obtained.

DomainInfo

Domain list

Used by actions: DescribeDomains.

Name	Type	Required	Description

Domain	String	Yes	Domain name
DomainId	String	Yes	Domain ID
InstanceId	String	Yes	Instance ID
Cname	String	Yes	CNAME Address
Edition	String	Yes	Instance type of the domain name. sparta-waf: SaaS WAF instance clb-waf: CLB WAF instance cdc-clb-waf: CLB WAF instances in the CDC environment
Region	String	Yes	Region "Toronto": "ca" "Guangzhou": "gz" "Chengdu": "cd" "Fuzhou": "fzec" "Shenzhen": "szx" "India": "in" "Jinan": "jnec" "Chongqing": "cq" "Tianjin": "tsn" "Northeast Europe": "ru" "Nanjing": "nj" "Silicon Valley, USA": "usw" "Thailand": "th" "Guangzhou Open": "gzopen" "Shenzhen Finance": "szjr" "Frankfurt": "de" "Japan": "jp" "Virginia": "use" "Beijing": "bj" "Hong Kong (China)": "hk" "Hangzhou": "hzec" "Beijing Finance": "bjjr" "Shanghai Finance": "shjr" "Taipei (China)": "tpe" "Seoul": "kr" "Shanghai": "sh" "Singapore": "sg" "Qingyuan": "qy"
InstanceName	String	Yes	Instance name
ClsStatus	Integer	Yes	Access log switch status

			0: disabled 1: enabled
FlowMode	Integer	Yes	CLB WAF usage mode 0: image mode 1: cleaning mode
Status	Integer	Yes	WAF switch status 0: disabled 1: enabled
Mode	Integer	Yes	Rule engine protection mode 0: observation mode 1: interception mode
Engine	Integer	Yes	Joint status of rule engine and AI engine protection modes. 1: initial status: interception for the rule engine and disabled for the AI engine 10: observation for the rule engine and disabled for the AI engine 11: observation for both the rule engine and AI engine 12: observation for the rule engine and interception for the AI engine 20: interception for the rule engine and disabled for the AI engine 21: interception for the rule engine and observation for the AI engine 22: interception for both the rule engine and AI engine
CCList	Array of String	Yes	Sandbox cluster origin-pull outbound IP list
RsList	Array of String	Yes	Production cluster origin-pull outbound IP list
Ports	Array of PortInfo	Yes	Service port configuration
LoadBalancerSet	Array of LoadBalancerPackageNew	Yes	CLB-related configuration
Appld	Integer	Yes	User ID
State	Integer	Yes	LB listener status of the domain name protected by CLB WAF0: Operation

			successful. 4: The LB is being bound. 6: The LB is being unbound. 7: Failed to unbind the LB. 8: Failed to bind the LB. 10: Internal error.
CreateTime	String	No	Creation time
Ipv6Status	Integer	No	IPv6 switch status. 0: disabled 1: enabled
BotStatus	Integer	No	Bot switch status. 0: disabled 1: disabled 2: enabled 3: enabled
Level	Integer	No	Instance version information. 101: Small and Micro Agile Edition 102: Small and Micro Ultra-light Edition 2: Advanced Edition 3: Enterprise Edition 4: Ultimate Edition 6: Exclusive Edition
PostCLSStatus	Integer	No	Shipping status of CLS. 0: disabled 1: enabled
PostCKafkaStatus	Integer	No	Shipping status of CKafka. 0: disabled 1: enabled
CdcClusters	String	No	Cluster information accessed by the CDC instance domain name, which can be ignored for non-CDC instances. Note: This field may return null, indicating that no valid values can be obtained.
ApiStatus	Integer	No	API security switch status. 0: disabled 1: enabled Note: This field may return null, indicating that no valid values can be obtained.

AlbType	String	No	Application-based CLB type. The default value is clb. clb: layer-7 CLB apisix: APISIX gateway Note: This field may return null, indicating that no valid values can be obtained.
SgState	Integer	No	Security group status. 0: not display 1: non-Tencent Cloud origin server 2: Security group binding failed. 3: security groups changed. Note: This field may return null, indicating that no valid values can be obtained.
SgDetail	String	No	Detailed Explanation of Security Group Status Note: This field may return null, indicating that no valid values can be obtained.
CloudType	String	No	Domain name cloud environment. hybrid: hybrid cloud domain name public: public cloud domain name Note: This field may return null, indicating that no valid values can be obtained.
Note	String	No	Domain name remarks Note: This field may return null, indicating that no valid values can be obtained.
SrcList	Array of String	No	SaaS WAF origin server IP list Note: This field may return null, indicating that no valid values can be obtained.
UpstreamDomainList	Array of String	No	SaaS WAF origin server domain name list Note: This field may return null, indicating that no valid values can be obtained.
SgID	String	No	Security group ID Note: This field may return null, indicating that no valid values can be obtained.
AccessStatus	Integer	No	CLB WAF access status Note: This field may return null, indicating that no valid values can be obtained.

Labels	Array of String	No	Domain name tag. Note: This field may return null, indicating that no valid values can be obtained.
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DomainPackageNew

CLB-WAF domain extension package

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	Yes	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
ValidTime	String	Yes	Expiration time Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	Yes	Auto-renewal, 1: Enabled, 0: Disabled Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	Yes	Number of Package Purchases Note: This field may return null, indicating that no valid values can be obtained.
Region	String	Yes	Package Purchase Region, currently not used in CLB-WAF Note: This field may return null, indicating that no valid values can be obtained.

DomainRuleId

Domain name, which corresponds to the rule ID structure.

Used by actions: DeleteCustomRule, ModifyCustomRuleStatus.

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Name	Type	Required	Description
Domain	String	No	Domain name Note: This field may return null, indicating that no valid values can be obtained.
RuleId	String	No	Rule ID Note: This field may return null, indicating that no valid values can be obtained.

DomainURI

Unique positioning domain

Used by actions: ModifyDomainsCLSStatus.

Name	Type	Required	Description
Domain	String	Yes	Domain name
Edition	String	Yes	Version
InstanceId	String	No	Instance ID Note: This field may return null, indicating that no valid values can be obtained.

DomainsPartInfo

Details of domain names protected by SaaS WAF

Used by actions: DescribeDomainDetailsSaas.

Name	Type	Description
Domain	String	Domain name
DomainId	String	Unique domain name ID
InstanceId	String	Unique instance ID of the domain name
Edition	String	Instance type of the domain name

InstanceName	String	Instance name of the domain name
Cert	String	Certificate
CreateTime	String	Creation time
Engine	Integer	Status of the rule engine and AI engine 1: initial status. Interception for the rule engine and disabled for the AI engine. 10: observation for the rule engine and disabled for the AI engine 11: observation for both the rule engine and AI engine 12: observation for the rule engine and interception for the AI engine 20: interception for the rule engine and disabled for the AI engine 21: interception for the rule engine and observation for the AI engine 22: interception for both the rule engine and AI engine
HttpsRewrite	Integer	Whether to enable forced redirection from HTTP to HTTPS 0: do not force redirection 1: enable forced redirection
HttpsUpstreamPort	String	HTTPS origin-pull port
IsCdn	Integer	Whether a layer-7 proxy service is deployed before WAF 0: No proxy service deployed 1: Proxy service deployed, and WAF will use XFF to obtain the client IP address 2: Proxy service deployed and WAF will use remote_addr to obtain the client IP address 3: Proxy service deployed and WAF will use the custom header in ip_headers to obtain the client IP address
IsGray	Integer	This parameter has been deprecated.
IsHttp2	Integer	Whether to enable HTTP2. You should enable HTTPS as well. 0: disable 1: enable
IsWebsocket	Integer	Whether to enable support for WebSocket 0: disable 1: enable
LoadBalance	Integer	Load balancing policy for origin-pull 0: round-robin 1: IP hash 2: weighted round-robin
Mode	Integer	Protection mode

		0: observation mode 1: interception mode
PrivateKey	String	Private key of the self-owned certificate
SSLId	String	When CertType is 2, this parameter must be filled, indicating the certificate ID hosted on Tencent Cloud's SSL platform
UpstreamDomain	String	Origin domain when domain is back to source. When UpstreamType=1, this field needs to be filled
UpstreamType	Integer	Origin-pull type 0: origin-pull via IP address 1: origin-pull via domain name
SrcList	Array of String	Origin IP list when IP is back to source. When UpstreamType=0, this field is required
Ports	Array of PortInfo	Domain name port configuration
CertType	Integer	Certificate type 0: no certificate, with only the HTTP listening port configured 1: self-owned certificate 2: managed certificate
UpstreamScheme	String	Origin-pull protocol for HTTPS when the service is configured with an HTTPS port http: Use the HTTP protocol for origin-pull. It is used together with HttpsUpstreamPort. https: Use the HTTPS protocol for origin-pull.
Cls	Integer	Whether to enable access logging 0: disable 1: enable
Cname	String	CNAME record for accessing a domain name protected by SaaS WAF
IsKeepAlive	Integer	Whether to enable persistent connection 0: non-persistent connection 1: persistent connection
ActiveCheck	Integer	Whether to enable proactive health check 0: disable 1: enable Note: This field may return null, indicating that no valid values can be obtained.

TLSVersion	Integer	TLS version information Note: This field may return null, indicating that no valid values can be obtained.
Ciphers	Array of Integer	Custom encryption suite list. When CipherTemplate is 3, this field is required, indicating the custom encryption suite, value obtained through DescribeCiphersDetail API. Note: This field may return null, indicating that no valid values can be obtained.
CipherTemplate	Integer	Cipher suite template 0: default template 1: general template 2: security template 3: custom template Note: This field may return null, indicating that no valid values can be obtained.
ProxyReadTimeout	Integer	Read timeout between WAF and origin server, 300s by default. Note: This field may return null, indicating that no valid values can be obtained.
ProxySendTimeout	Integer	WAF and origin server write timeout, 300s by default. Note: This field may return null, indicating that no valid values can be obtained.
SniType	Integer	SNI type during WAF origin-pull 0: Disable SNI and do not configure server_name in client_hello. 1: Enable SNI. server_name in client_hello is a protected domain name. 2: Enable SNI. SNI is the origin server domain name during the domain name origin-pull. 3: Enable SNI. SNI is a custom domain name. Note: This field may return null, indicating that no valid values can be obtained.
SniHost	String	When SniType=3, this parameter is required, indicating a custom SNI; Note: This field may return null, indicating that no valid values can be obtained.
Weights	Array of String	Weight of the IP address for origin-pull Note: This field may return null, indicating that no valid values can be obtained.

IpHeaders	Array of String	IsCdn=3 indicates custom header Note: This field may return null, indicating that no valid values can be obtained.
XFFReset	Integer	Whether to enable XFF reset 0: disable 1: enable Note: This field may return null, indicating that no valid values can be obtained.
Note	String	Domain name remarks Note: This field may return null, indicating that no valid values can be obtained.
UpstreamHost	String	Custom origin-pull host. The default value is a null string, indicating that a protected domain name is used as the origin-pull host. Note: This field may return null, indicating that no valid values can be obtained.
Level	String	Protection rule Note: This field may return null, indicating that no valid values can be obtained.
ProxyBuffer	Integer	Whether to enable caching. 0: disable; 1: enable. Note: This field may return null, indicating that no valid values can be obtained.
GmType	Integer	Whether to enable SM. 0: do not enable SM; 1: add support for SM based on the existing TLS option; 2: enable SM and support only SM client access. Note: This field may return null, indicating that no valid values can be obtained.
GmCertType	Integer	SM certificate type. 0: no SM certificate is available; 1: the certificate is a self-owned SM certificate; 2: the certificate is a managed SM certificate. Note: This field may return null, indicating that no valid values can be obtained.
GmCert	String	When GmCertType is 1, this parameter needs to be set, indicating the certificate chain of the self-owned SM certificate. Note: This field may return null, indicating that no valid values can be obtained.
GmPrivateKey	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the self-owned SM certificate.

		Note: This field may return null, indicating that no valid values can be obtained.
GmEncCert	String	When GmCertType is 1, this parameter needs to be set, indicating the encryption certificate of the self-owned SM certificate. Note: This field may return null, indicating that no valid values can be obtained.
GmEncPrivateKey	String	When GmCertType is 1, this parameter needs to be set, indicating the private key of the encryption certificate for the self-owned SM certificate. Note: This field may return null, indicating that no valid values can be obtained.
GmSSLId	String	When GmCertType is 2, this parameter needs to be set, indicating the ID of the certificate managed by the Tencent Cloud SSL platform. Note: This field may return null, indicating that no valid values can be obtained.
Labels	Array of String	Domain name tag. Note: This field may return null, indicating that no valid values can be obtained.

FiltersItemNew

Filter array

Used by actions: DescribeAntiFakeRules, DescribeAntiInfoLeakageRules, DescribeBatchIpAccessControl, DescribeCCRuleList, DescribeCustomRuleList, DescribeCustomWhiteRule, DescribeDomains, DescribeInstances, DescribeObjects.

Name	Type	Required	Description
Name	String	Yes	Field name, used for filtering Filter the sub-order number (value) by DealName.
Values	Array of String	Yes	Values after filtering
ExactMatch	Boolean	Yes	Exact search or not

FindAllDomainDetail

Domain name list

Used by actions: DescribeFindDomainList.

Name	Type	Description
Appid	Integer	User ID
Domain	String	Domain name
Ips	Array of String	Domain IP
FindTime	String	Detection time
Instanceid	String	Instance ID
DomainId	String	Domain ID
Edition	String	WAF type
IsWafDomain	Integer	Whether to access WAF

FraudPkg

Business security resource information

Used by actions: DescribeInstances.

Name	Type	Required	Description
Resourceids	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Status Note: This field may return null, indicating that no valid values can be obtained.
Region	Integer	No	Region Note: This field may return null, indicating that no valid values can be obtained.
BeginTime	String	No	Start time

			Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time Note: This field may return null, indicating that no valid values can be obtained.
InquireNum	Integer	No	Application Quantity Note: This field may return null, indicating that no valid values can be obtained.
UsedNum	Integer	No	Usage Quantity Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	No	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.

GoodNews

Input/Output parameter goods of billing & ordering API

Used by actions: GenerateDealsAndPayNew.

Name	Type	Required	Description
GoodsNum	Integer	Yes	Number of products
GoodsDetail	GoodsDetailNew	Yes	Product Detail
GoodsCategoryId	Integer	No	Order type ID, which is used to uniquely identify a business scene. (There are three scenes in total: new purchase, configuration change, and renewal.) Advanced Edition: 102375 (new purchase), 102376 (renewal), and 102377 (configuration change) Enterprise Edition: 102378 (new purchase), 102379 (renewal), and 102380 (configuration change) Ultimate Edition: 102369 (new purchase), 102370 (renewal), and 102371 (configuration change) Domain name package: 102372 (new purchase), 102373 (renewal), and 102374 (configuration change)

			Business expansion package: 101040 (new purchase), 101041 (renewal), and 101042 (configuration change) Advanced Edition - CLB: 101198 (new purchase), 101199 (renewal), and 101200 (configuration change) Enterprise Edition - CLB: 101204 (new purchase), 101205 (renewal), and 101206 (configuration change) Ultimate Edition - CLB: 101201 (new purchase), 101202 (renewal), and 101203 (configuration change) Domain name package - CLB: 101207 (new purchase), 101208 (renewal), and 101209 (configuration change) Business expansion package - CLB: 101210 (new purchase), 101211 (renewal), and 101212 (configuration adjustment) Note: This field may return null, indicating that no valid values can be obtained.
RegionId	Integer	No	Region ID for purchasing WAF instance 1 indicates purchasing resources in Chinese mainland. 9 indicates purchasing resources outside Chinese mainland. Note: This field may return null, indicating that no valid values can be obtained.

GoodsDetailNew

Product details

Used by actions: GenerateDealsAndPayNew.

Name	Type	Required	Description
TimeSpan	Integer	No	Time interval Note: This field may return null, indicating that no valid values can be obtained.
TimeUnit	String	No	Unit, support for purchasing d, m, y, i.e., (day, month, year) Note: This field may return null, indicating that no valid values can be obtained.
SubProductCode	String	No	Sub-product tag. It is mandatory for new purchase and renewal.

			For configuration change, it will be placed in oldConfig and newConfig. SaaS Advanced Edition: sp_wsm_waf_premium SaaS Enterprise Edition: sp_wsm_waf_enterprise SaaS Ultimate Edition: sp_wsm_waf_ultimate SaaS business expansion package: sp_wsm_waf_qpsep SaaS domain name expansion package: sp_wsm_waf_domain Advanced Edition - CLB: sp_wsm_waf_premium_clb Enterprise Edition - CLB: sp_wsm_waf_enterprise_clb Ultimate Edition - CLB: sp_wsm_waf_ultimate_clb Business expansion package - CLB: sp_wsm_waf_qpsep_clb Domain name expansion package - CLB: sp_wsm_waf_domain_clb Note: This field may return null, indicating that no valid values can be obtained.
Pid	Integer	No	PID applied for a business product (corresponding to a pricing formula). The pricing model can be found through PID billing. Advanced Edition: 1000827 Enterprise Edition: 1000830 Ultimate Edition: 1000832 Domain name package: 1000834 Business expansion package: 1000481 Advanced Edition - CLB: 1001150 Enterprise Edition - CLB: 1001152 Ultimate Edition - CLB: 1001154 Domain name package - CLB: 1001156 Business expansion package - CLB: 1001160 Note: This field may return null, indicating that no valid values can be obtained.
InstanceName	String	No	WAF Instance Name Note: This field may return null, indicating that no valid values can be obtained.
AutoRenewFlag	Integer	No	1: Auto-renewal, 0: No Auto-renewal Note: This field may return null, indicating that no valid values can be obtained.
RealRegion	Integer	No	Actual Geographic Information of WAF Purchase

			Note: This field may return null, indicating that no valid values can be obtained.
LabelTypes	Array of String	No	Billing Detail Tag Array SaaS Advanced Edition: sv_wsm_waf_package_premium SaaS Enterprise Edition: sv_wsm_waf_package_enterprise SaaS Ultimate Edition: sv_wsm_waf_package_ultimate SaaS non-Chinese Mainland Advanced Edition: sv_wsm_waf_package_premium_intl SaaS non-Chinese Mainland Enterprise Edition: sv_wsm_waf_package_enterprise_intl SaaS non-Chinese Mainland Ultimate Edition: sv_wsm_waf_package_ultimate_intl SaaS business expansion package: sv_wsm_waf_qps_ep SaaS domain name expansion package: sv_wsm_waf_domain Advanced Edition CLB: sv_wsm_waf_package_premium_clb Enterprise Edition CLB: sv_wsm_waf_package_enterprise_clb Ultimate Edition CLB: sv_wsm_waf_package_ultimate_clb Non-Chinese Mainland Advanced Edition CLB: sv_wsm_waf_package_premium_clb_intl Non-Chinese Mainland Enterprise Edition CLB: sv_wsm_waf_package_premium_clb_intl Non-Chinese Mainland Ultimate Edition CLB: sv_wsm_waf_package_ultimate_clb_intl Business expansion package CLB: sv_wsm_waf_qps_ep_clb Domain name expansion package CLB: sv_wsm_waf_domain_clb Note: This field may return null, indicating that no valid values can be obtained.
LabelCounts	Array of Integer	No	Number of Billing Detail Tags, Generally Corresponds One-to-One with SvLabelType Note: This field may return null, indicating that no valid values can be obtained.
CurDeadline	String	No	Dynamic Configuration Usage, Instance Expiration Time Note: This field may return null, indicating that no valid values can be obtained.
InstanceId	String	No	Purchasing Bot or API Security for Existing Instances

			Note: This field may return null, indicating that no valid values can be obtained.
ResourceId	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
MicroVersion	String	No	CLB WAF or SaaS WAF mode. Note: This field may return null, indicating that no valid values can be obtained.

HostDel

CLB-WAF deleted domain parameters

Used by actions: DeleteHost.

Name	Type	Required	Description
Domain	String	Yes	Domain name
DomainId	String	Yes	Domain ID
InstanceId	String	No	Instance type

HostRecord

Information on domain names protected by CLB WAF

Used by actions: CreateHost, DescribeHost, DescribeHosts, ModifyHost.

Name	Type	Required	Description
Domain	String	Yes	Domain name
DomainId	String	Yes	Unique domain name ID
MainDomain	String	Yes	Primary Domain, empty upon input
Mode	Integer	Yes	Rule engine protection mode 0: observation mode 1: interception mode

Status	Integer	Yes	Binding relationship between WAF and CLB 0: unbound 1: bound
State	Integer	Yes	Domain name listener status of CLB WAF 0: operation successful 4: CLB instance binding in progress 6: CLB instance unbinding in progress 7: CLB instance unbinding failed 8: CLB instance binding failed 10: internal error
Engine	Integer	Yes	Status of the rule engine and AI engine 1: initial status. Interception for the rule engine and disabled for the AI engine. 10: observation for the rule engine and disabled for the AI engine 11: observation for both the rule engine and AI engine 12: observation for the rule engine and interception for the AI engine 20: interception for the rule engine and disabled for the AI engine 21: interception for the rule engine and observation for the AI engine 22: interception for both the rule engine and AI engine
IsCdn	Integer	Yes	Whether a layer-7 proxy service is deployed before WAF. 0: No proxy service deployed; 1: Proxy service deployed, and WAF will use XFF to obtain the client IP address; 2: Proxy service deployed, and WAF will use remote_addr to obtain the client IP address; 3: Proxy service deployed, and WAF will use the custom header in ip_headers to obtain the client IP address.
LoadBalancerSet	Array of LoadBalancer	Yes	List of the information on the bound CLB instance
Region	String	Yes	Region of the CLB instance bound to the domain name. Separate multiple regions by commas.
Edition	String	Yes	Instance type of the domain name. For CLB WAF, the value is "clb-waf".
FlowMode	Integer	Yes	Traffic mode of domain names protected by CLB WAF 1: cleaning mode 0: mirror mode

ClsStatus	Integer	Yes	Whether to enable access logging 1: enable 0: disable
Level	Integer	No	Protection Level, Optional Values: 100, 200, 300 Note: This field may return null, indicating that no valid values can be obtained.
CdcClusters	Array of String	No	List of CDC clusters to which the domain name needs to be delivered. Specify this parameter for CDC scenes only. Note: This field may return null, indicating that no valid values can be obtained.
AlbType	String	No	Application CLB type. Default value: clb. clb: layer-7 CLB tsewg: Tencent Cloud API Gateway scf: Tencent Cloud Serverless apisix: Other Tencent Cloud Gateway. eg: APISIX gateway Note: This field may return null, indicating that no valid values can be obtained.
IpHeaders	Array of String	No	IsCdn=3 required for this parameter, indicates custom header Note: This field may return null, indicating that no valid values can be obtained.
EngineType	Integer	No	Rule engine type 1: menshen 2: tiga Note: This field may return null, indicating that no valid values can be obtained.
CloudType	String	No	Cloud type public: public cloud private: private cloud hybrid: hybrid cloud Note: This field may return null, indicating that no valid values can be obtained.
Note	String	No	Domain name remarks Note: This field may return null, indicating that no valid values can be obtained.

HostStatus

Structure for setting WAF status

Used by actions: ModifyHostStatus.

Name	Type	Required	Description
Domain	String	Yes	Domain name
DomainId	String	Yes	Domain ID
Status	Integer	Yes	WAF switch. 1: On, 0: Off
InstanceId	String	No	Instance ID

HybridPkg

Hybrid cloud node resource information

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Status Note: This field may return null, indicating that no valid values can be obtained.
Region	Integer	No	Region Note: This field may return null, indicating that no valid values can be obtained.
BeginTime	String	No	Start time Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time

			Note: This field may return null, indicating that no valid values can be obtained.
InquireNum	Integer	No	Application Quantity Note: This field may return null, indicating that no valid values can be obtained.
UsedNum	Integer	No	Usage Quantity Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	No	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.

InstanceInfo

Detailed information of an instance

Used by actions: DescribeInstances.

Name	Type	Required	Description
InstanceId	String	Yes	Unique Instance ID
InstanceName	String	Yes	Instance name
ResourceIds	String	Yes	Resource ID corresponding to the Instance, for billing usage
Region	String	Yes	Instance region
PayMode	Integer	Yes	Payment mode
RenewFlag	Integer	Yes	Auto-renewal flag. 0: disable 1: enable
Mode	Integer	Yes	Elastic billing switch. 0: disable

			1: enable
Level	Integer	Yes	Instance package version. 101: Small and Micro Edition. 102: Ultra-light Edition. 2: Advanced Edition. 3: Enterprise Edition. 4: Ultimate Edition. 6: Exclusive Edition
ValidTime	String	Yes	Instance expiration time
BeginTime	String	Yes	Instance Start Time
DomainCount	Integer	Yes	Configured Domain Count
SubDomainLimit	Integer	Yes	Maximum Domain Count
MainDomainCount	Integer	Yes	Configured Primary Domain Count
MainDomainLimit	Integer	Yes	Maximum Number of Primary Domain Names
MaxQPS	Integer	Yes	Instance QPS Peak within 30 Days
QPS	QPSPackageNew	Yes	QPS Expansion Package Information
DomainPkg	DomainPackageNew	Yes	Domain Extension Package Information
AppId	Integer	Yes	User appid.
Edition	String	Yes	CLB or SaaS
FraudPkg	FraudPkg	No	Business Security Package Note: This field may return null, indicating that no valid values can be obtained.
BotPkg	BotPkg	No	Bot Resource Package Note: This field may return null, indicating that no valid values can be obtained.
BotQPS	BotQPS	No	Bot's QPS details Note: This field may return null, indicating that no valid values can be obtained.

ElasticBilling	Integer	No	QPS Elastic Billing Cap Note: This field may return null, indicating that no valid values can be obtained.
AttackLogPost	Integer	No	Attack Log Shipping Switch Note: This field may return null, indicating that no valid values can be obtained.
MaxBandwidth	Integer	No	Peak Bandwidth, in B/s (Bytes per Second) Note: This field may return null, indicating that no valid values can be obtained.
APISecurity	Integer	No	Whether API security is purchased
QpsStandard	Integer	No	Purchased QPS Specification Note: This field may return null, indicating that no valid values can be obtained.
BandwidthStandard	Integer	No	Purchased Bandwidth Specification Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Instance status Note: This field may return null, indicating that no valid values can be obtained.
SandboxQps	Integer	No	Instance Sandbox QPS Value Note: This field may return null, indicating that no valid values can be obtained.
IsAPISecurityTrial	Integer	No	Whether API Security is on Trial Note: This field may return null, indicating that no valid values can be obtained.
MajorEventsPkg	MajorEventsPkg	No	Premium Package Note: This field may return null, indicating that no valid values can be obtained.

HybridPkg	HybridPkg	No	Hybrid Cloud Sub-node Package Note: This field may return null, indicating that no valid values can be obtained.
ApiPkg	ApiPkg	No	API security resource package Note: This field may return null, indicating that no valid values can be obtained.
MiniPkg	MiniPkg	No	MMPS Acceleration Package Note: This field may return null, indicating that no valid values can be obtained.
MiniQpsStandard	Integer	No	Mini Program QPS Specification Note: This field may return null, indicating that no valid values can be obtained.
MiniMaxQPS	Integer	No	Mini Program QPS Peak Note: This field may return null, indicating that no valid values can be obtained.
LastQpsExceedTime	String	No	Last overage time. Note: This field may return null, indicating that no valid values can be obtained.
MiniExtendPkg	MiniExtendPkg	No	ID quantity expansion package for secure mini program access. Note: This field may return null, indicating that no valid values can be obtained.
BillingItem	String	No	Billing item. Note: This field may return null, indicating that no valid values can be obtained.
FreeDelayFlag	Integer	No	Flag for delay of instance deletion. Note: This field may return null, indicating that no valid values can be obtained.

IpAccessControlData

Data Encapsulation

Used by actions: DescribeIpAccessControl.

Name	Type	Description
Res	Array of IpAccessControlItem	IP Blocklist/Allowlist Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	Counting.

IpAccessControlItem

IP Blocklist/Allowlist

Used by actions: DescribeIpAccessControl.

Name	Type	Description
Id	String	MongoDB Table Auto-increment ID Note: This field may return null, indicating that no valid values can be obtained.
ActionType	Integer	Action
Ip	String	ip
Note	String	Remarks
Source	String	Source.
TsVersion	Integer	Update Timestamp Note: This field may return null, indicating that no valid values can be obtained.
ValidTs	Integer	Expiration Timestamp
ValidStatus	Integer	Effective status. Note: This field may return null, indicating that no valid values can be obtained.
RuleId	Integer	55000001

		Note: This field may return null, indicating that no valid values can be obtained.
IpList	Array of String	IP list. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	Integer	Rule creation time Note: This field may return null, indicating that no valid values can be obtained.
JobType	String	Scheduled task type Note: This field may return null, indicating that no valid values can be obtained.
CronType	String	Periodic task type. Note: This field may return null, indicating that no valid values can be obtained.
JobDateTime	JobDateTime	Details of scheduled task configuration. Note: This field may return null, indicating that no valid values can be obtained.

IpAccessControlParam

IP blocklist/allowlist parameters structure, which is mainly used for IP blocklist/allowlist import.

Used by actions: ImportIpAccessControl.

Name	Type	Required	Description
IpList	Array of String	Yes	IP list.
ValidTs	Integer	Yes	valid_ts indicates a valid date. Its value is a second-level timestamp, such as 1680570420, which indicates 2023-04-04 09:07:00.
ActionType	Integer	Yes	42: blocklist; 40: allowlist.
Note	String	No	Remarks

JobDateTime

Rule execution time structure

Used by actions: AddCustomRule, AddCustomWhiteRule, CreateIpAccessControl, DescribeBatchIpAccessControl, DescribeCustomRuleList, DescribeCustomWhiteRule, DescribeIpAccessControl, ModifyCustomRule, ModifyCustomWhiteRule, ModifyIpAccessControl.

Name	Type	Required	Description
Timed	Array of TimedJob	No	Time parameters for scheduled execution Note: This field may return null, indicating that no valid values can be obtained.
Cron	Array of CronJob	No	Time parameters for periodic execution Note: This field may return null, indicating that no valid values can be obtained.
TimeTZone	String	No	Time zone Note: This field may return null, indicating that no valid values can be obtained.

KVInt

In the form of Key-Value, where Value is an Int

Used by actions: DescribeTopAttackDomain.

Name	Type	Description
Key	String	Key
Value	Integer	Value

LoadBalancer

CLB listener

Used by actions: CreateHost, DescribeHost, DescribeHosts, ModifyHost.

Name	Type	Required	Description

LoadBalancerId	String	Yes	CLB LD's ID
LoadBalancerName	String	Yes	CLB LD's Name
ListenerId	String	Yes	CLB Listener ID
ListenerName	String	Yes	Name of CLB Listener
Vip	String	Yes	IP of CLB Instance
Vport	Integer	Yes	Port of the CLB Instance
Region	String	Yes	CLB LD's Region
Protocol	String	Yes	Listener Protocol, HTTP, HTTPS
Zone	String	Yes	Zone of the CLB Listener
NumericalVpcId	Integer	No	CLB's VPC ID, -1 for public network, fill in the actual number for private network Note: This field may return null, indicating that no valid values can be obtained.
LoadBalancerType	String	No	CLB Network Type Note: This field may return null, indicating that no valid values can be obtained.
LoadBalancerDomain	String	No	CLB Domain Name Note: This field may return null, indicating that no valid values can be obtained.

LoadBalancerPackageNew

CLB

Used by actions: DescribeDomainDetailsClb, DescribeDomains.

Name	Type	Required	Description
ListenerId	String	Yes	Listener ID Note: This field may return null, indicating that no valid values can be obtained.

ListenerName	String	Yes	Listening Name Note: This field may return null, indicating that no valid values can be obtained.
LoadBalancerId	String	Yes	CLB instance ID Note: This field may return null, indicating that no valid values can be obtained.
LoadBalancerName	String	Yes	CLB name Note: This field may return null, indicating that no valid values can be obtained.
Protocol	String	Yes	Protocol Note: This field may return null, indicating that no valid values can be obtained.
Region	String	Yes	Region "Toronto": "ca", "Guangzhou": "gz", "Chengdu": "cd", "Fuzhou": "fzec", "Shenzhen": "szx", "India": "in", "Jinan": "jnec", "Chongqing": "cq", "Tianjin": "tsn", "Northeast Europe": "ru", "Nanjing": "nj", "Silicon Valley (U.S.)": "usw", "Thailand": "th", "Guangzhou Open": "gzopen", "Shenzhen Finance": "szjr", "Frankfurt": "de", "Japan": "jp", "Virginia": "use", "Beijing": "bj", "Hong Kong (China)": "hk", "Hangzhou": "hzec", "Beijing Finance": "bjjr", "Shanghai Finance": "shjr", "Taipei (China)": "tpe", "Seoul": "kr", "Shanghai": "sh",

			"Singapore": "sg", "Qingyuan": "qy" Note: This field may return null, indicating that no valid values can be obtained.
Vip	String	Yes	Access IP Note: This field may return null, indicating that no valid values can be obtained.
Vport	Integer	Yes	Access Port Note: This field may return null, indicating that no valid values can be obtained.
Zone	String	Yes	Region Note: This field may return null, indicating that no valid values can be obtained.
NumericalVpcId	Integer	Yes	VPCID Note: This field may return null, indicating that no valid values can be obtained.
LoadBalancerType	String	Yes	CLB Type Note: This field may return null, indicating that no valid values can be obtained.
LoadBalancerDomain	String	No	Domain Name of CLB Note: This field may return null, indicating that no valid values can be obtained.

LogHistogramInfo

Attack Log Statistical Details

Used by actions: GetAttackHistogram.

Name	Type	Description
Count	Integer	Number of logs.
TimeStamp	Integer	Timestamp.

MajorEventsPkg

Key protection resource information

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Status Note: This field may return null, indicating that no valid values can be obtained.
Region	Integer	No	Region Note: This field may return null, indicating that no valid values can be obtained.
BeginTime	String	No	Start time Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time Note: This field may return null, indicating that no valid values can be obtained.
InquireNum	Integer	No	Application Quantity Note: This field may return null, indicating that no valid values can be obtained.
UsedNum	Integer	No	Usage Quantity Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	No	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.

BillingItem	String	No	Billing item. Note: This field may return null, indicating that no valid values can be obtained.
HWState	Integer	No	Protection Package Status Note: This field may return null, indicating that no valid values can be obtained.

MiniExtendPkg

Mobile Mini Programs Security access ID extension resource information.

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Status Note: This field may return null, indicating that no valid values can be obtained.
Region	Integer	No	Region Note: This field may return null, indicating that no valid values can be obtained.
BeginTime	String	No	Start time Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	No	Purchase quantity. Note: This field may return null, indicating that no valid values can be obtained.

RenewFlag	Integer	No	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.
BillingItem	String	No	Billing item. Note: This field may return null, indicating that no valid values can be obtained.

MiniPkg

API security resource information

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	No	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	No	Status Note: This field may return null, indicating that no valid values can be obtained.
Region	Integer	No	Region Note: This field may return null, indicating that no valid values can be obtained.
BeginTime	String	No	Start time Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	No	End time Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	No	Purchase quantity. Note: This field may return null, indicating that no valid values can be obtained.

RenewFlag	Integer	No	Renewal flag. Note: This field may return null, indicating that no valid values can be obtained.
BillingItem	String	No	Billing item. Note: This field may return null, indicating that no valid values can be obtained.

PeakPointsItem

PeakPoints array item

Used by actions: DescribePeakPoints.

Name	Type	Description
Time	Integer	Second-level Timestamp
Access	Integer	QPS
Up	Integer	Upstream bandwidth peak, unit: B
Down	Integer	Downstream bandwidth peak, unit: B
Attack	Integer	Web attack count
Cc	Integer	CC attack count
BotAccess	Integer	Bot qps
StatusServerError	Integer	Number of 5xx status codes returned by WAF to client Note: This field may return null, indicating that no valid values can be obtained.
StatusClientError	Integer	Number of times WAF returned 4xx status codes to client Note: This field may return null, indicating that no valid values can be obtained.
StatusRedirect	Integer	WAF Returned to Client Status Code 302 Count Note: This field may return null, indicating that no valid values can be obtained.
StatusOk	Integer	Number of Times WAF Returns Status Code 202 to Client

		Note: This field may return null, indicating that no valid values can be obtained.
UpstreamServerError	Integer	Number of Times the Origin Server Returned 5xx Status Codes to WAF Note: This field may return null, indicating that no valid values can be obtained.
UpstreamClientError	Integer	Number of times the origin server returned 4xx status codes to WAF Note: This field may return null, indicating that no valid values can be obtained.
UpstreamRedirect	Integer	Number of times the original server returns status code 302 to WAF Note: This field may return null, indicating that no valid values can be obtained.
BlackIP	Integer	Blocklist Count Note: This field may return null, indicating that no valid values can be obtained.
Tamper	Integer	Tamper-Proof Attempts Note: This field may return null, indicating that no valid values can be obtained.
Leak	Integer	Information Leakage Prevention Count Note: This field may return null, indicating that no valid values can be obtained.
ACL	Integer	Access control Note: This field may return null, indicating that no valid values can be obtained.
WxAccess	Integer	Mini Program QPS Note: This field may return null, indicating that no valid values can be obtained.
WxCount	Integer	Number of mini program requests Note: This field may return null, indicating that no valid values can be obtained.

WxUp	Integer	Peak upstream bandwidth of the mini program. Unit: B Note: This field may return null, indicating that no valid values can be obtained.
WxDown	Integer	Peak downstream bandwidth of the mini program. Unit: B Note: This field may return null, indicating that no valid values can be obtained.

PiechartItem

Pie chart data type

Used by actions: DescribeAttackType.

Name	Type	Description
Type	String	Type
Count	Integer	Quantity

PortInfo

Service port configuration

Used by actions: DescribeDomainDetailsSaas, DescribeDomains.

Name	Type	Required	Description
NginxServerId	Integer	Yes	Nginx Server ID
Port	String	Yes	Listening Port Configuration
Protocol	String	Yes	Protocol Corresponding to the Port
UpstreamPort	String	Yes	Origin-pull port
UpstreamProtocol	String	Yes	Origin-pull protocol

PortItem

Protection domain port configuration information

Used by actions: AddSpartaProtection, DescribeSpartaProtectionInfo.

Name	Type	Required	Description
Port	String	Yes	Listening Port Configuration
Protocol	String	Yes	Corresponds one-to-one with ports, indicating the protocol associated with the port.
UpstreamPort	String	Yes	Corresponds one-to-one with port, indicates the origin port
UpstreamProtocol	String	Yes	Corresponds one-to-one with Port, indicating the origin protocol
NginxServerId	String	Yes	Nginx Server ID

QPSPackageNew

CLB-WAF QPS package new

Used by actions: DescribeInstances.

Name	Type	Required	Description
ResourceIds	String	Yes	Resource ID Note: This field may return null, indicating that no valid values can be obtained.
ValidTime	String	Yes	Expiration time Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	Yes	Auto-renewal, 1: Enabled, 0: Disabled Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	Yes	Number of Package Purchases Note: This field may return null, indicating that no valid values can be obtained.
Region	String	Yes	Package Purchase Region, currently not used in CLB-WAF

			Note: This field may return null, indicating that no valid values can be obtained.
BillingItem	String	No	Billing item. Note: This field may return null, indicating that no valid values can be obtained.

QpsData

Obtain the default value for elastic QPS

Used by actions: GetInstanceQpsLimit.

Name	Type	Description
ElasticBillingDefault	Integer	Elastic QPS Default Value Note: This field may return null, indicating that no valid values can be obtained.
ElasticBillingMin	Integer	Elastic QPS Minimum Value Note: This field may return null, indicating that no valid values can be obtained.
ElasticBillingMax	Integer	Maximum Elastic QPS Note: This field may return null, indicating that no valid values can be obtained.
QPSExtendMax	Integer	Maximum QPS for Business Expansion Package Note: This field may return null, indicating that no valid values can be obtained.
QPSExtendIntlMax	Integer	Maximum QPS for Overseas Business Expansion Package Note: This field may return null, indicating that no valid values can be obtained.

ReqUserRule

User Rule Update Output Rule Subitem

Used by actions: ModifyUserSignatureRule.

Name	Type	Required	Description
Id	String	Yes	Feature serial number
Status	Integer	Yes	Rule switch 0: disabled 1: enabled 2: alarm only
Reason	Integer	No	Reason for modification 0: none (Compatibility records are empty.) 1: avoidance of false positives due to business characteristics 2: reporting of rule-based false positives 3: grayscale release of core business rules 4: others

ResponseCode

Return code of the response body

Used by actions: AddCustomRule, AddCustomWhiteRule, DeleteCustomRule, DeleteCustomWhiteRule, DeleteHost, DescribeHostLimit, ModifyCustomRule, ModifyCustomRuleStatus, ModifyCustomWhiteRule, ModifyCustomWhiteRuleStatus, ModifyHostFlowMode, ModifyHostMode, ModifyHostStatus, ModifyWebshellStatus.

Name	Type	Description
Code	String	If successful, return a success; if failed, return Cloud API Defined Error Codes
Message	String	If successful, return a success; if failed, return the secondary error code of WAF Definition

SearchItem

Complex Conditions on Access List Query

Used by actions: DescribeHosts.

Name	Type	Required	Description
ClsStatus	String	No	Log switch

Status	String	No	WAF Switch
FlowMode	String	No	Traffic mode

SessionData

Parameter Wrapping

Used by actions: DescribeSession.

Name	Type	Description
Res	Array of SessionItem	Session definition

SessionItem

Session definition

Used by actions: DescribeSession.

Name	Type	Description
Category	String	Type to match
KeyOrStartMat	String	Start Mode
EndMat	String	End Mode
StartOffset	String	Starting Offset
EndOffset	String	End Offset
Source	String	Data source
TsVersion	String	Update Timestamp
SessionId	Integer	SessionID Note: This field may return null, indicating that no valid values can be obtained.
SessionName	String	Session Name

		Note: This field may return null, indicating that no valid values can be obtained.
SessionInUsed	Boolean	Whether the session is being enabled Note: This field may return null, indicating that no valid values can be obtained.
RelatedRuleID	Array of Integer	Session-related CC Rule ID Note: This field may return null, indicating that no valid values can be obtained.

SpartaProtectionPort

WAF Sparta - Edit port structure in the protection domain

Used by actions: ModifySpartaProtection.

Name	Type	Required	Description
NginxServerId	Integer	Yes	nginx Id
Port	String	Yes	Port
Protocol	String	Yes	Protocol
UpstreamPort	String	Yes	Backend port
UpstreamProtocol	String	Yes	Backend protocol

Strategy

Matching criteria structure for custom rules

Used by actions: AddCustomRule, AddCustomWhiteRule, DescribeCustomRuleList, DescribeCustomWhiteRule, ModifyCustomRule, ModifyCustomWhiteRule.

Name	Type	Required	Description
Field	String	Yes	Matching field

Different matching fields result in different matching parameters, logical symbols and matching contents. The details are as follows:

Matching Field	Matching Parameter	Logical Symbol	Matching Content
IP (source IP)	Parameters are not supported.	ipmatch (match) ipnmatch (mismatch)	Matched address Selected Content Matched Address 20 ad all
IPv6 (source IPv6)	Parameters are not supported.	ipmatch (match) ipnmatch (mismatch)	Address ad su

				Matching Field	Matching Parameter	Logical Symbol	Match Condition
				Referer (referer)	Parameters are not supported.	empty (Content is empty.) null (do not exist) eq (equal to) neq (not equal to) contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching) rematch (regular expression matching)	Empty content matches 51 characters

				Matching Field	Matching Parameter	Logical Symbol	Matched Content
				URL (request path)	Parameters are not supported.	eq (equal to) neq (not equal to) contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching) rematch (regular expression matching)	Encoded content with maximum 51 characters
				UserAgent (UserAgent)	Parameters are not supported.	Same logical symbols as the matching field Referer	Encoded maximum 51 characters

			<table><tr><th>Matching Field</th><th>Matching Parameter</th><th>Logical Symbol</th><th>Matched Content</th></tr><tr><td>HTTP_METHOD (HTTP request method)</td><td>Parameters are not supported.</td><td>eq (equal to) neq (not equal to)</td><td>Endpoint Method The upstream request</td></tr><tr><td>QUERY_STRING (request string)</td><td>Parameters are not supported.</td><td>Same logical symbol as the matching field Request Path</td><td>Endpoint Cookie Matched 51 ch</td></tr><tr><td>GET (GET parameter value)</td><td>Parameter entry is supported.</td><td>contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching)</td><td>Endpoint Cookie Matched 51 ch</td></tr></table>	Matching Field	Matching Parameter	Logical Symbol	Matched Content	HTTP_METHOD (HTTP request method)	Parameters are not supported.	eq (equal to) neq (not equal to)	Endpoint Method The upstream request	QUERY_STRING (request string)	Parameters are not supported.	Same logical symbol as the matching field Request Path	Endpoint Cookie Matched 51 ch	GET (GET parameter value)	Parameter entry is supported.	contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching)	Endpoint Cookie Matched 51 ch
Matching Field	Matching Parameter	Logical Symbol	Matched Content																
HTTP_METHOD (HTTP request method)	Parameters are not supported.	eq (equal to) neq (not equal to)	Endpoint Method The upstream request																
QUERY_STRING (request string)	Parameters are not supported.	Same logical symbol as the matching field Request Path	Endpoint Cookie Matched 51 ch																
GET (GET parameter value)	Parameter entry is supported.	contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching)	Endpoint Cookie Matched 51 ch																

				Matching Field	Matching Parameter	Logical Symbol	Ma Cc
				GET_PARAMS_NAMES (GET parameter name)	Parameters are not supported.	exist (Parameter exists.) nexist (Parameter does not exist.) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching)	En co ma 51 ch
				POST (POST parameter value)	Parameter entry is supported.	Same logical symbol as the matching field GET Parameter Value	En co ma 51 ch
				GET_POST_NAMES (POST parameter name)	Parameters are not supported.	Same logical symbol as the matching field GET Parameter Name	En co ma 51 ch

Matching Field	Matching Parameter	Logical Symbol	Ma Co
POST_BODY (complete body)	Parameters are not supported.	Same logical symbol as the matching field Request Path	En co ma 51 ch
COOKIE (cookie)	Parameters are not supported.	empty (Content is empty.) null (do not exist) rematch (regular expression matching)	Ur cu
GET_COOKIES_NAMES (cookie parameter name)	Parameters are not supported.	Same logical symbol as the matching field GET Parameter Name	En co ma 51 ch
ARGS_COOKIE (cookie parameter value)	Parameter entry is supported.	Same logical symbol as the matching field GET Parameter Value	En co ma 51 ch

Matching Field	Matching Parameter	Logical Symbol	Match Condition
GET_HEADERS_NAMES (header parameter name)	Parameters are not supported.	exist (Parameter exists.) nexist (Parameter does not exist.) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching) rematch (regular expression matching)	En co ma 51 ch Th is rec

			<table><tr><th>Matching Field</th><th>Matching Parameter</th><th>Logical Symbol</th><th>Matched Content</th></tr><tr><td>ARGS_HEADER (header parameter value)</td><td>Parameter entry is supported.</td><td>contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching) rematch (regular expression matching)</td><td>Encoded content 51 characters</td></tr></table>	Matching Field	Matching Parameter	Logical Symbol	Matched Content	ARGS_HEADER (header parameter value)	Parameter entry is supported.	contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching) rematch (regular expression matching)	Encoded content 51 characters
Matching Field	Matching Parameter	Logical Symbol	Matched Content								
ARGS_HEADER (header parameter value)	Parameter entry is supported.	contains (contain) ncontains (do not contain) len_eq (length equals to) len_gt (length is greater than) len_lt (length is less than) strprefix (prefix matching) strsuffix (suffix matching) rematch (regular expression matching)	Encoded content 51 characters								
			Note: This field may return null, indicating that no valid values can be								
CompareFunc	String	Yes	Logic symbol Logical symbols are divided into the following types: empty (content is empty) null (do not exist) eq (equal to) neq (not equal to) contains (contain) ncontains (do not contain) strprefix (prefix matching) strsuffix (suffix matching) len_eq (length equals to) len_gt (length is greater than)								

			len_lt (length is less than) ipmatch (belong to) ipnmatch (do not belong to) Different matching fields correspond to different logical operators. For the matching field table above. Note: This field may return null, indicating that no valid values can be
Content	String	Yes	Matching content Currently, when the matching field is COOKIE (cookie), the matching is not required. In other scenes, the matching content is required. Note: This field may return null, indicating that no valid values can be
Arg	String	Yes	Matching parameter There are two types of configuration parameters: unsupported parameters and supported parameters. The matching parameter can be entered only when the matching field is one of the following four. Otherwise, the parameter is not supported. GET (GET parameter value) POST (POST parameter value) ARGS_COOKIE (Cookie parameter value) ARGS_HEADER (Header parameter value) Note: This field may return null, indicating that no valid values can be
CaseNotSensitive	Integer	No	0: case-sensitive. 1: case-insensitive. Note: This field may return null, indicating that no valid values can be

StrategyForAntiInfoLeak

Matching criteria structure for preventing information leakage

Used by actions: AddAntiInfoLeakRules, ModifyAntiInfoLeakRules.

Name	Type	Required	Description
Field	String	Yes	Matching Criteria, returncode (Response Code), keywords (Keywords), information (Sensitive Information)
CompareFunc	String	Yes	Logical operator, fixed value: contains

Content	String	Yes	Matching content The following options are available when Field is set to information: idcard (ID card), phone (phone number), and bankcard (bank card). The following options are available when Field is set to returncode: 400 (status code 400), 403 (status code 403), 404 (status code 404), 4xx (other 4xx status codes), 500 (status code 500), 501 (status code 501), 502 (status code 502), 504 (status code 504), and 5xx (other 5xx status codes). When Field is set to keywords, users need to input the matching content themselves.
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TLSCiphers

TLS encryption suite

Used by actions: DescribeCiphersDetail.

Name	Type	Description
VersionId	Integer	TLS version ID Note: This field may return null, indicating that no valid values can be obtained.
CipherId	Integer	Encryption Suite ID Note: This field may return null, indicating that no valid values can be obtained.
CipherName	String	Cipher suite Note: This field may return null, indicating that no valid values can be obtained.

TLSVersion

TLS information

Used by actions: DescribeTlsVersion.

Name	Type	Description
VersionId	Integer	ID of TLSVERSION Note: This field may return null, indicating that no valid values can be obtained.
VersionName	String	TLSVERSION's Name

Note: This field may return null, indicating that no valid values can be obtained.

TargetEntity

Entity combining instance + domain that requires enabling/disabling API security

Used by actions: ModifyApiAnalyzeStatus.

Name	Type	Required	Description
InstanceId	String	No	Instance ID
Domain	String	No	Domain name

TimedJob

Rule-based scheduled task data structure

Used by actions: AddCustomRule, AddCustomWhiteRule, CreateIpAccessControl, ModifyCustomRule, ModifyCustomWhiteRule, ModifyIpAccessControl.

Name	Type	Required	Description
StartDateTime	Integer	No	Start timestamp, in seconds Note: This field may return null, indicating that no valid values can be obtained.
EndDateTime	Integer	No	End timestamp, in seconds Note: This field may return null, indicating that no valid values can be obtained.

UserDomainInfo

SaaS and CLB information

Used by actions: DescribeUserDomainInfo.

Name	Type	Description
Appid	Integer	User ID

Domain	String	Domain name
DomainId	String	Domain ID
InstanceId	String	Instance ID
InstanceName	String	Instance name
Edition	String	WAF type
Level	String	Version Note: This field may return null, indicating that no valid values can be obtained.
WriteConfig	String	Switch for Specified Domain Access Log Fields Note: This field may return null, indicating that no valid values can be obtained.
Cls	Integer	Whether to Write the CLS Switch for the Specified Domain 1: Yes, 0: No Note: This field may return null, indicating that no valid values can be obtained.
CloudType	String	Marks if it is hybrid cloud access. Hybrid indicates a hybrid cloud access domain Note: This field may return null, indicating that no valid values can be obtained.
AlbType	String	CLB WAF type Note: This field may return null, indicating that no valid values can be obtained.
BotStatus	Integer	Bot detection enabling status Note: This field may return null, indicating that no valid values can be obtained.
ApiStatus	Integer	API enabling status Note: This field may return null, indicating that no valid values can be obtained.

VipInfo

VIP information

Used by actions: DescribeVipInfo.

Name	Type	Description
Vip	String	Virtual IP Note: This field may return null, indicating that no valid values can be obtained.

InstanceId	String	WAF Instance ID
Note: This field may return null, indicating that no valid values can be obtained.		

WafRuleLimit

WAF module specifications

Used by actions: DescribeRuleLimit.

Name	Type	Description
CC	Integer	Specifications of Custom CC
CustomRule	Integer	Specifications for Custom Policy
IPControl	Integer	Specifications for Blocklist/Allowlist
AntiLeak	Integer	Specifications for Information Leakage Prevention
AntiTamper	Integer	Tamper-proof Specifications
AutoCC	Integer	Specifications for Urgent CC
AreaBan	Integer	Specifications for Region Banning
CCSession	Integer	Configure Session in Custom CC
AI	Integer	AI Specifications
CustomWhite	Integer	Specifications of Precision Allowlist
ApiSecurity	Integer	API Security Specification
ClientMsg	Integer	Specifications for client traffic flag
TrafficMarking	Integer	Specifications for Traffic Tagging

WebshellStatus

Domain's Webshell activation status

Used by actions: ModifyWebshellStatus.

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Name	Type	Required	Description
Domain	String	Yes	Domain name
Status	Integer	Yes	Webshell Switch, 1: On. 0: Off. 2: Observation

Error Codes

Last updated : 2024-11-27 09:47:17

Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

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

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	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

	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalServerError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AuthFailure	CAM signature/authentication error.
AuthFailure.ErrCodeNoPurchased	The current instance has not purchased the API security package.
FailedOperation.CKafkaInternalError	CKafka internal error.
FailedOperation.CLSDBOperationFailed	Failed to call the CLS API.
FailedOperation.CLSInternalError	CLS internal error.
FailedOperation.MongoOperationFailed	Failed to operate the MongoDB database.

FailedOperation.MysqlDBOperationFailed	Failed to operate the MySQL database.
FailedOperation.RedisOperationFailed	Failed to operate the Redis database.
FailedOperation.SessionInUsed	The session being deleted is in use.
FailedOperation.TheNumberOfAddedBlackAndWhiteListExceedsTheUpperLimit	The number of additions to the blocklist/allowlist exceeds the limit.
FailedOperation.TheNumberOfOneTimeDeletionsReachedTheUpperLimit	Reached the maximum number of one-time deletions.
InternalError.AsynchronousCallFailed	Asynchronous call failed.
InternalError.DBErr	DBErr
InternalError.UnknownErr	An internal error exists. Please contact us.
InvalidParameter.CertificationParameterErr	Certificate information parameter error
InvalidParameter.DomainExceedsLimitErr	The number of domain names reached the upper limit.
InvalidParameter.DomainNotRecord	The domain name is not registered.
InvalidParameter.InvalidCertificate	Invalid certificate content.
InvalidParameter.LogicErr	Logical error: Logical errors in SQL search statements can also lead to mistakes, such as using incorrect operators, wrong conditions, etc.
InvalidParameter.PortParameterErr	Port information parameter error
InvalidParameter.ProtectionDomainParameterErr	Protective domain parameter error

InvalidParameter.QueryCertBySSLIDFailed	Failed to query certificate by ID.
InvalidParameter.QueryStringSyntaxErr	Syntax error: Logical expression syntax analysis failed.
InvalidParameter.SQLSyntaxErr	Syntax error: SQL search statements must follow specific syntax rules. Failure to do so, such as missing keywords, spelling errors, missing semicolons, etc., will cause SQL statements to not execute.
InvalidParameter.SupportTLSConfFailed	The current instance version does not support enabling TLS by definition. Please upgrade to the Advanced Edition or above.
InvalidParameter.TLSParameterErr	TLS or encryption suite parameter error
InvalidParameter.TypeMismatch	Data type error: The data types in SQL search statements must match those in the database, otherwise it will lead to errors. For example, comparing a string with an integer, incorrect date format, etc.
InvalidParameter.UnauthorizedOperationParameterErr	Permission overstep parameter error
InvalidParameter.UpstreamParameterErr	Origin information parameter error
InvalidParameter.XFFResetParameterErr	XFF reset parameter error
LimitExceeded.SpecificationErr	SpecificationErr
OperationDenied	Operation denied.

ResourceInUse.EmptyErr	EmptyErr
ResourceUnavailable.DomainIpv6InConfigErr	The IPv6 network is being allocated. Please wait patiently.
ResourcesSoldOut	Resources are sold out.
UnsupportedOperation.InvalidRequest	InvalidRequest