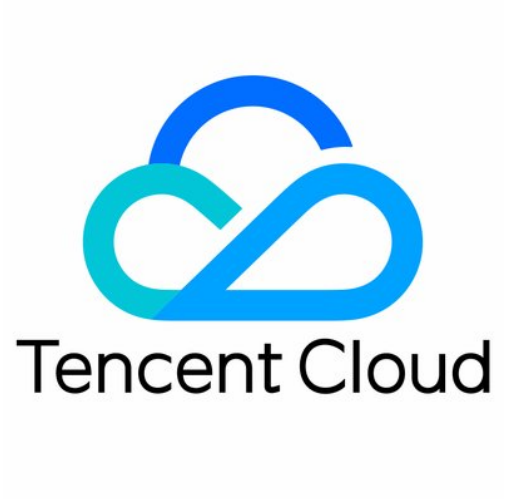
Cloud Security Center

API Documentation

Product Documentation



Contents

API Documentation History

Last updated：2024-07-22 10:38:28

Release 1

Release time: 2023-11-15 18:17:39

Release updates:

Improvement to existing documentation.

New APIs:

- AddNewBindRoleUser
- CreateDomainAndIp
- CreateRiskCenterScanTask
- DeleteDomainAndIp
- DeleteRiskScanTask
- DescribeCVMAssetInfo
- DescribeCVMAssets
- DescribeClusterPodAssets
- DescribeDbAssetInfo
- DescribeDbAssets
- DescribeDomainAssets
- DescribeListenerList
- DescribePublicIpAssets
- DescribeRiskCenterAssetViewCFGRiskList
- DescribeRiskCenterAssetViewPortRiskList
- DescribeRiskCenterAssetViewVULRiskList
- DescribeRiskCenterAssetViewWeakPasswordRiskList
- DescribeRiskCenterPortViewPortRiskList
- DescribeRiskCenterServerRiskList
- DescribeRiskCenterVULViewVULRiskList
- DescribeRiskCenterWebsiteRiskList
- DescribeScanReportList
- DescribeScanTaskList
- DescribeSearchBugInfo

- DescribeSubnetAssets
- DescribeTaskLogList
- DescribeTaskLogURL
- DescribeVULRiskAdvanceCFGList
- DescribeVpcAssets
- ModifyRiskCenterRiskStatus
- StopRiskCenterTask

New data structures:

- AssetBaseInfoResponse
- AssetClusterPod
- AssetInfoDetail
- AssetTag
- AssetViewCFGRisk
- AssetViewPortRisk
- AssetViewVULRisk
- AssetViewWeakPassRisk
- BugInfoDetail
- CVMAssetVO
- ClbListenerListInfo
- DBAssetVO
- DataSearchBug
- DbAssetInfo
- DomainAssetVO
- Filter
- FilterDataObject
- IpAssetListVO
- PortViewPortRisk
- PublicIpDomainListKey
- ReportItemKey
- ReportTaskIdList
- RiskCenterStatusKey
- ScanTaskInfo
- ScanTaskInfoList
- ServerRisk
- ServerRiskSuggestion
- SubnetAsset

Introduction

Last updated：2024-07-22 10:38:17

A one-stop platform of cloud-native security product data and control plane, providing data of assets, risks and alerts

API Category

Last updated：2024-07-22 10:38:18

Report Download APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeTaskLogURL	Gets the temp download link of a report.	20

Scan Task APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeleteRiskScanTask	Deletes a risk scan task.	20
DescribeTaskLogList	Gets the list of scan task reports.	20
StopRiskCenterTask	Stop a scan task.	20
DescribeScanTaskList	Gets the list of scan tasks.	20
DescribeVULRiskAdvanceCFGList	Queries the advanced configuration of vulnerability scan	20
CreateRiskCenterScanTask	Creates a risk scan task.	20

Risk Center APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeRiskCenterAssetViewCFGRiskList	Queries the list of configuration risks by assets.	20

DescribeRiskCenterAssetViewPortRiskList	Queries the list of port risks by assets.	20
DescribeRiskCenterAssetViewVULRiskList	Queries the list of vulnerabilities by assets.	20
DescribeRiskCenterAssetViewWeakPasswordRiskList	Queries the list of weak passwords by assets.	20
DescribeRiskCenterPortViewPortRiskList	Queries the list of port risks by ports	20
DescribeRiskCenterVULViewVULRiskList	Queries the list of vulnerabilities by vulnerabilities.	20
DescribeRiskCenterWebsiteRiskList	Get the list of content risks.	20
DescribeScanReportList	Gets the list of scan reports.	20
ModifyRiskCenterRiskStatus	Modifies the status of a risk.	20
DescribeRiskCenterServerRiskList	Queries the list of services in risk.	20

Asset Center APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateDomainAndIp	Creates an asset with the specific domain/IP.	20
DeleteDomainAndIp	Deletes assets	20
DescribeCVMAssetInfo	Queries details of CVM assets.	20
DescribeDbAssetInfo	Queries details of a database asset.	20
DescribeDbAssets	Lists database assets.	20
DescribeDomainAssets	Lists domain assets.	20

DescribeSubnetAssets	Gets the list of subnets.	20
DescribeVpcAssets	Gets the list of VPCs	20
DescribeListenerList	Queries the list of TCP listeners.	20
DescribePublicIpAssets	Queries the list of public IP assets.	20
DescribeCVMAssets	Queries the list of CVM assets.	20
DescribeClusterPodAssets	Lists cluster pods.	20

Solid Protection APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeSearchBugInfo	Queries information of a vulnerability.	20

Cloud Security Center Overview APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AddNewBindRoleUser	Adds the CAM role of CSC.	20

Making API Requests
Request Structure

Last updated：2024-07-22 10:38:19

1. Service Address

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

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

2. Communications Protocol

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

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

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

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

4. Character Encoding

Only UTF-8 encoding is used.

Common Params

Last updated：2024-07-22 10:38:20

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

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

Common parameters for Signature Algorithm v3

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

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

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

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

Example of an HTTP GET request structure:

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

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

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

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

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

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

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

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

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

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

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

10
--58731222010402--
```

Common parameters for Signature Algorithm v1

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

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

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

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

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE

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

Example of an HTTP POST request structure:

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

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

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

Region List

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

Region	Value
Southeast Asia (Singapore)	ap-singapore

Signature v3

Last updated：2024-07-22 10:38:23

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

Applying for Security Credentials

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

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

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

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

Using the Resources for Developers

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

TC3-HMAC-SHA256 Signature Algorithm

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

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

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

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

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

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

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

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

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

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

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

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

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

	`[{"Values": ["unnamed"], "Name": "instance-name"}]` in this exampl The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the pay of the HTTP request, performing hexadecimal encoding, and finally converting the enco string to lowercase letters. For GET requests, `RequestPayload` is always an empt string. The calculation result in this example is `99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b49`

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

```
POST
/

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

content-type;host
99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907
```

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

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

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always `TC3-HMAC-SHA256`.
RequestTimestamp	Request timestamp, i.e., the value of the common parameter `X-TC-Timestamp` in request header, which is the UNIX timestamp of the current time in seconds, such as `1551113065` in this example.
CredentialScope	Scope of the credential in the format of `Date/service/tc3_request`, including date, requested service and termination string (tc3_request). **`Date` is a date in UT time, whose value should match the UTC date converted by the common parameter `X-TC-Timestamp`**; `service` is the product name, which should m the domain name of the product called. The calculation result in this example is `2019-25/cvm/tc3_request`.

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

Note:

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

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

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

3. Calculating the Signature

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

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

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

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

2. Calculate the signature with the following pseudocode:

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

4. Concatenating the Authorization

The Authorization is concatenated as follows:

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

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

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

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

The following example shows a finished authorization header:

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

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

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

5. Signature Demo

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

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

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

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

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

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

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

Java

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Python

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

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

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

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

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

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


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

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

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

Golang

```
package main

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

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

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

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

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

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

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

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

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

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

PHP

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

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

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

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

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

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

Ruby

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

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

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

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

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

puts canonical_request

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

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

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

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

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

DotNet

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

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

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

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

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

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

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

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

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

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

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

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

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

NodeJS

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

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

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

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

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

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

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

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

```
+ 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++)
{
snprintf(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 OPENSSL_VERSION_NUMBER < 0x10100000L
HMAC_CTX hmac;
HMAC_CTX_init(&hmac);
h = &hmac;
#else
h = HMAC_CTX_new();
#endif

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

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

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

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

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

```
return output;
}

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

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

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

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

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

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

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

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

Signature Failure

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

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

Signature

Last updated：2024-07-22 10:38:25

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

1. Applying for Security Credentials

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

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

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

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

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

2. Generating a Signature

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

Assume that the SecretId and SecretKey are:

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

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

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

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

2.1. Sorting Parameters

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

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

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

2.2. Concatenating a Request String

This step generates a request string.

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

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

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

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

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

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

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

The concatenation result of the example is:

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

2.4. Generating a Signature String

This step generates a signature string.

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

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

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

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

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

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

3. Encoding a Signature String

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

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

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

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

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

4. Signature Failure

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

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

5. Signature Demo

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

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

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

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

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

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

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

Java

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

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

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

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

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

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

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

Python

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

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

import requests

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

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

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

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

Golang

```
package main

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

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

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

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

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

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

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

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

PHP

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

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

ksort($param);

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

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

Ruby

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

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

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

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

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

DotNet

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

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

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

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

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

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

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

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

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

NodeJS

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

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

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

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

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

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

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

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

strParam = sort_params(params)

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

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

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

Responses

Last updated：2024-07-22 10:38:26

Response for Successful Requests

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

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

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

Response for Failed Requests

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

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

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

Common Error Codes

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

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

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.

Report Download APIs
DescribeTaskLogURL

Last updated：2024-07-22 10:38:53

1. API Description

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

This API is used to get the temp download link of a report.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTaskLogURL.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Type	Yes	Integer	Type of the task. `0` : Preview; `1` : Download
ReportItemKeyList.N	No	Array of ReportItemKey	List of task report IDs
ReportTaskIdList.N	No	Array of ReportTaskIdList	List of task IDs in the report

3. Output Parameters

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

4. Example

Example1 Getting the temp download link of a report

This example shows you how to get the temp download link of a report.

Input Example

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

{
"ReportItemKeyList": [
{
"TaskLogList": [
"abc"
]
}
],
"Type": 0,
"ReportTaskIdList": [
{
"AppId": "abc",
"TaskIdList": [
"abc"
]
}
]
}
```

Output Example

```
{
"Response": {
"Data": [
{
"URL": "abc",
"LogId": "abc",
"TaskLogName": "abc",
"AppId": "abc"
}
],
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

Scan Task APIs
DeleteRiskScanTask

Last updated：2024-07-22 10:38:35

1. API Description

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

This API is used to delete a risk scan task.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteRiskScanTask.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
TaskIdList.N	Yes	Array of TaskIdListKey	List of task IDs

3. Output Parameters

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

4. Example

Example1 Deleting a risk scan task.

This example shows you how to delete a risk scan task.

Input Example

```
{
"MemberId": [
"xx"
],
"TaskIdList": [
{
"TaskId": "xx",
"TargetAppId": "xx"
}
]
}
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
DryRunOperation	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.

ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

DescribeTaskLogList

Last updated：2024-07-22 10:38:33

1. API Description

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

This API is used to get the list of scan task reports.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTaskLogList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of entries Note: This field may return null, indicating that no valid values can

		be obtained.
Data	Array of TaskLogInfo	List of reports Note: This field may return·null, indicating that no valid values can be obtained.
NotViewNumber	Integer	Number of reports pending viewed Note: This field may return·null, indicating that no valid values can be obtained.
ReportTemplateNumber	Integer	Number of report templates 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 获取任务扫描报告列表

获取任务扫描报告列表

Input Example

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

{
"Filter": {
"Limit": 1
}
}
```

Output Example

```
{
"Response": {
"Data": [
```

```
{
"AppId": "130*****",
"AssetsNumber": 33,
"ReportType": 1,
"RiskNumber": 45,
"StartTime": "2024-07-01 00:00:15",
"Status": 2,
"TaskCenterTaskId": "rmis-************",
"TaskLogId": "rpt-*********",
"TaskLogName": "标准体检_*********",
"TaskName": "标准体检_***********",
"TemplateId": 2,
"Time": "2024-07-01 00:19:17",
"UIN": "1000******",
"UserName": "天******"
}
],
"NotViewNumber": 42,
"ReportTemplateNumber": 1,
"RequestId": "04355839-***********",
"TotalCount": 51
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

StopRiskCenterTask

Last updated：2024-07-22 10:38:30

1. API Description

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

This API is used to stop a scan task.

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

We recommend you to use API Explorer

Try it

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: StopRiskCenterTask.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
TaskIdList.N	Yes	Array of TaskIdListKey	List of task IDs

3. Output Parameters

Parameter Name	Type	Description

Status	Integer	`0` : Operation succeeded; Others: 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 Stopping a scan task

This example shows you how to stop a scan task.

Input Example

```
{
"MemberId": [
"xx"
],
"TaskIdList": [
{
"TaskId": "xx",
"TargetAppId": "xx"
}
]
}
```

Output Example

```
{
"Response": {
"Status": 0,
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
DryRunOperation	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.

ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

DescribeScanTaskList

Last updated：2024-07-22 10:38:34

1. API Description

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

This API is used to get the list of scan tasks.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeScanTaskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of Tags	Tags

3. Output Parameters

Parameter	Type	Description

Name		
TotalCount	Integer	Total number of entries Note: This field may return null, indicating that no valid values can be obtained.
Data	Array of ScanTaskInfoList	List of scan tasks Note: This field may return·null, indicating that no valid values can be obtained.
UINList	Array of String	List of account UINs Note: This field may return·null, indicating that no valid values can be obtained.
TaskModeList	Array of FilterDataObject	List of task modes Note: This field may return·null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the list of scan tasks

This example shows you how to get the list of scan tasks.

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
```

```
"Name": "abc",
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
}
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"Data": [
{
"TaskName": "abc",
"StartTime": "abc",
"EndTime": "abc",
"ScanPlanContent": "abc",
"TaskType": 0,
"InsertTime": "abc",
"TaskId": "abc",
"SelfDefiningAssets": [
"abc"
],
"PredictTime": 0,
"PredictEndTime": "abc",
"ReportNumber": 0,
"AssetNumber": 0,
"ScanStatus": 0,
"Percent": 0,
"ScanItem": "abc",
"ScanAssetType": 0,
"VSSTaskId": "abc",
"CSPMTaskId": "abc",
"CWPPOCId": "abc",
"CWPBlId": "abc",
"VSSTaskProcess": 0,
"CSPMTaskProcess": 1,
"CWPPOCProcess": 0,
"CWPBlProcess": 1,
"ErrorCode": 0,
```

```
"ErrorInfo": "abc",
"StartDay": 0,
"Frequency": 0,
"CompleteNumber": 0,
"CompleteAssetNumber": 0,
"RiskCount": 0,
"Assets": [
{
"AssetName": "abc",
"InstanceType": "abc",
"AssetType": "abc",
"Asset": "abc",
"Region": "abc"
}
],
"AppId": "abc",
"UIN": "abc",
"UserName": "abc",
"TaskMode": 0,
"ScanFrom": "abc",
"IsFree": 0
}
],
"UINList": [
"abc"
],
"TaskModeList": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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

- Tencent Cloud SDK 3.0 for Python

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable

ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

DescribeVULRiskAdvanceCFGList

Last updated：2024-07-22 10:38:31

1. API Description

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

This API is used to query the advanced configuration of vulnerability scan.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVULRiskAdvanceCFGList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
TaskId	No	String	Task ID
Filter	No	Filter	Filter conditions.

3. Output Parameters

Parameter Name	Type	Description

Data	Array of VULRiskAdvanceCFGList	List of configuration items Note: This field may return·null, indicating that no valid values can be obtained.
TotalCount	Integer	Total number of results
RiskLevelLists	Array of FilterDataObject	List of risk levels Note: This field may return·null, indicating that no valid values can be obtained.
VULTypeLists	Array of FilterDataObject	List of vulnerabilities types Note: This field may return·null, indicating that no valid values can be obtained.
CheckFromLists	Array of FilterDataObject	List of check source 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 advanced configuration of vulnerability scan

This example shows you how to query the advanced configuration of vulnerability scan.

Input Example

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

{
"TaskId": "abc"
}
```

Output Example

```
{
"Response": {
"Data": [
{
"RiskId": "abc",
"VULName": "abc",
"RiskLevel": "abc",
"CheckFrom": "abc",
"Enable": 0,
"VULType": "abc",
"ImpactVersion": "abc",
"CVE": "abc",
"VULTag": [
"abc"
],
"FixMethod": [
"abc"
],
"ReleaseTime": "abc"
}
],
"TotalCount": 0,
"RiskLevelLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"VULTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"CheckFromLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.

RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

CreateRiskCenterScanTask

Last updated：2024-07-22 10:38:37

1. API Description

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

This API is used to create a risk scan task.

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

We recommend you to use API Explorer

Try it

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateRiskCenterScanTask.
Version	Yes	String	Common Params. The value used for this API: 2022-21.
Region	No	String	Common Params. This parameter is not required.
TaskName	Yes	String	Task name
ScanAssetType	Yes	Integer	Values: `0` (Scan all); `1` (Scan specific assets); (Scan all expect the specified assets); `3` (Custom assets). When `ScanAssetType=1/2` , `Assets` required. When `ScanAssetType=3` , `SelfDefiningAssets` is required.
ScanItem.N	Yes	Array of String	Project to scan: port/poc/weakpass/webcontent/configrisk/exposedse

ScanPlanType	Yes	Integer	Task type. `0` : Scheduled task, `1` : Scan immedia `2` : Scanned at the specified time; `3` : Custom. W ScanPlanType=0,2,3, `ScanPlanContent` is required.
Assets.N	No	Array of TaskAssetObject	List of assets to scan
ScanPlanContent	No	String	Details of a scheduled scan task
SelfDefiningAssets.N	No	Array of String	IP/Domain name/URL
ScanFrom	No	String	Request source. Values: `vss` (Vulnerability Scan Service), `csip` (Cloud Security Center). It defaults `vss` .
TaskAdvanceCFG	No	TaskAdvanceCFG	Advanced settings
TaskMode	No	Integer	Scan task mode: `0` (Standard), `1` (Quick), `2` (Advanced). Default: `0`
Tags	No	AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	Task ID.
Status	Integer	`0` : Task created successfully. `-1` : There are unauthorized assets.
UnAuthAsset	Array of String	List of unauthorized assets
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 risk scan task

This example shows you how to create a risk scan task.

Input Example

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

{
"TaskName": "abc",
"Assets": [
{
"AssetName": "abc",
"InstanceType": "abc",
"AssetType": "abc",
"Asset": "abc",
"Region": "abc"
}
],
"ScanAssetType": 0,
"ScanItem": [
"abc"
],
"ScanPlanType": 0,
"ScanPlanContent": "abc",
"SelfDefiningAssets": [
"abc"
],
"ScanFrom": "abc",
"TaskAdvanceCFG": {},
"TaskMode": 0
}
```

Output Example

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

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.

RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

Risk Center APIs
DescribeRiskCenterAssetViewCFGRiskList

Last updated：2024-07-22 10:38:51

1. API Description

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

This API is used to query the list of configuration risks by assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterAssetViewCFGRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of entries
Data	Array of AssetViewCFGRisk	List of configuration risks
StatusLists	Array of FilterDataObject	List of risk handling status
LevelLists	Array of FilterDataObject	List of risk levels
CFGNameLists	Array of FilterDataObject	List of configuration names
CheckTypeLists	Array of FilterDataObject	List of check types
InstanceTypeLists	Array of FilterDataObject	List of asset types
FromLists	Array of FilterDataObject	List of check source
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

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

{
```

```
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```


Output Example


```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"Id": "abc",
"CFGName": "abc",
"CheckType": "abc",
"InstanceId": "abc",
"InstanceName": "abc",
"InstanceType": "abc",
"AffectAsset": "abc",
"Level": "abc",
"FirstTime": "abc",
"RecentTime": "abc",
"From": "abc",
"Status": 0,
"CFGSTD": "abc",
"CFGDescribe": "abc",
```

```
"CFGFix": "abc",
"CFGHelpURL": "abc",
"Index": "abc",
"AppId": "abc",
"Nick": "abc",
"Uin": "abc"
}
],
"StatusLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"LevelLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"CFGNameLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"CheckTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"InstanceTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"FromLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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

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

DescribeRiskCenterAssetViewPortRiskList

Last updated：2024-07-22 10:38:50

1. API Description

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

This API is used to query the list of port risks by assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterAssetViewPortRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description

TotalCount	Integer	Total number of entries
Data	Array of AssetViewPortRisk	List of configuration risks
StatusLists	Array of FilterDataObject	List of risk handling status
LevelLists	Array of FilterDataObject	List of risk levels
SuggestionLists	Array of FilterDataObject	List of fix suggestions
InstanceTypeLists	Array of FilterDataObject	List of asset types
FromLists	Array of FilterDataObject	List of check source
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 获取资产视角的端口风险列表

获取资产视角的端口风险列表

Input Example

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

{
"Filter": {
"Limit": 1
}
}
```

Output Example


```
{
"Response": {
"Data": [
{
"AffectAsset": "1.1.1.1",
"AppId": "abcd",
"Component": "OpenSSH",
"FirstTime": "2024-04-19 16:14:02",
"From": "云安全中心",
"Id": "b6d76******",
"Index": "1654******",
"InstanceId": "ins-*****",
"InstanceName": "abcd",
"InstanceType": "CVM",
"Level": "middle",
"Nick": "abcd",
"Port": 22,
"Protocol": "tcp",
"RecentTime": "2024-06-07 14:22:58",
"Service": "ssh",
"Status": 3,
"Suggestion": 1,
"Uin": "abcd"
}
],
"FromLists": [
{
"Text": "云安全中心",
"Value": "0"
},
{
"Text": "流量感知",
"Value": "3"
}
],
"InstanceTypeLists": [
{
"Text": "CLB",
"Value": "CLB"
},
{
"Text": "CVM",
"Value": "CVM"
},
{
```

```
"Text": "EIP",
"Value": "EIP"
},
{
"Text": "VPN",
"Value": "VPN"
},
{
"Text": "NAT",
"Value": "NAT"
},
{
"Text": "OTHER",
"Value": "OTHER"
},
{
"Text": "LH",
"Value": "LH"
},
{
"Text": "HAVIP",
"Value": "HAVIP"
},
{
"Text": "NATFW",
"Value": "NATFW"
},
{
"Text": "未知",
"Value": "unknown"
},
{
"Text": "PROBE",
"Value": "PROBE"
},
{
"Text": "TSE",
"Value": "TSE"
},
{
"Text": "EC2",
"Value": "EC2"
}
],
"LevelLists": [
{
"Text": "严重",
```

```
"Value": "extreme"
},
{
"Text": "高危",
"Value": "high"
},
{
"Text": "中危",
"Value": "middle"
},
{
"Text": "低危",
"Value": "low"
},
{
"Text": "提示",
"Value": "info"
}
],
"RequestId": "c95a495b-e2cb-4449-b101-1848c421aadd",
"StatusLists": [
{
"Text": "已封禁",
"Value": "3"
},
{
"Text": "未处理",
"Value": "0"
},
{
"Text": "标记已处置",
"Value": "1"
},
{
"Text": "已忽略",
"Value": "2"
}
],
"SuggestionLists": [
{
"Text": "保持现状",
"Value": "0"
},
{
"Text": "限制访问",
"Value": "1"
},
```

```
{
"Text": "封禁端口",
"Value": "2"
}
],
"TotalCount": 42
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.

InternalError	An internal error occurs.
InvalidFilter	
InvalidParameter	The parameter is incorrect.
InvalidParameter.DecryptError	Decrypt error
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RegionError	
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.CloudAudit	
UnauthorizedOperation.Cos	
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

DescribeRiskCenterAssetViewVULRiskList

Last updated：2024-07-22 10:38:49

1. API Description

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

This API is used to query the list of vulnerabilities by assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterAssetViewVULRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description

TotalCount	Integer	Total number of entries
Data	Array of AssetViewVULRisk	List of vulnerabilities
StatusLists	Array of FilterDataObject	List of risk handling status
LevelLists	Array of FilterDataObject	List of risk levels
FromLists	Array of FilterDataObject	List of check source
VULTypeLists	Array of FilterDataObject	List of vulnerability types
InstanceTypeLists	Array of FilterDataObject	List of asset types
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
```

```
"Filters": [
{
"Name": "abc",
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"AffectAsset": "abc",
"Level": "abc",
"InstanceType": "abc",
"Component": "abc",
"Service": "abc",
"RecentTime": "abc",
"FirstTime": "abc",
"Status": 1,
"Id": "abc",
"Index": "abc",
"InstanceId": "abc",
"InstanceName": "abc",
"AppId": "abc",
"Nick": "abc",
"Uin": "abc",
"VULType": "abc",
"Port": "abc",
"Describe": "abc",
"AppName": "abc",
```

```
"References": "abc",
"AppVersion": "abc",
"VULURL": "abc",
"VULName": "abc",
"CVE": "abc",
"Fix": "abc",
"POCId": "abc",
"From": "abc",
"CWPVersion": 0,
"IsSupportRepair": true,
"IsSupportDetect": true,
"InstanceUUID": "abc",
"Payload": "abc",
"EMGCVulType": 0
}
],
"StatusLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"LevelLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"InstanceTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"VULTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"FromLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
```

```
}
}
```

5. Developer Resources

SDK

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

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

DescribeRiskCenterAssetViewWeakPasswordRiskList

Last updated：2024-07-22 10:38:47

1. API Description

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

This API is used to query the list of weak passwords by assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterAssetViewWeakPasswordRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of entries
Data	Array of AssetViewWeakPassRisk	List of risks
StatusLists	Array of FilterDataObject	List of risk handling status
LevelLists	Array of FilterDataObject	List of risk levels
FromLists	Array of FilterDataObject	List of check source
InstanceTypeLists	Array of FilterDataObject	List of asset types
PasswordTypeLists	Array of FilterDataObject	List of weak password types
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
```

```
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"AffectAsset": "abc",
"Level": "abc",
"InstanceType": "abc",
"Component": "abc",
"Service": "abc",
"RecentTime": "abc",
"FirstTime": "abc",
"Status": 1,
"Id": "abc",
"Index": "abc",
"InstanceId": "abc",
"InstanceName": "abc",
"AppId": "abc",
"Nick": "abc",
"Uin": "abc",
"PasswordType": "abc",
"From": "abc",
"VULType": "abc",
"VULURL": "abc",
"Fix": "abc",
"Payload": "abc"
}
```

```
],
"StatusLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"LevelLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"InstanceTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"PasswordTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"FromLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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

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

- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent 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.

DescribeRiskCenterPortViewPortRiskList

Last updated：2024-07-22 10:38:46

1. API Description

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

This API is used to query the list of port risks by ports.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterPortViewPortRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter	Type	Description

Name		
TotalCount	Integer	Total number of entries
Data	Array of PortViewPortRisk	List of port risks by assets
LevelLists	Array of FilterDataObject	List of risk levels
SuggestionLists	Array of FilterDataObject	List of suggestions
FromLists	Array of FilterDataObject	List of check source
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
```

```
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"NoHandleCount": 0,
"Level": "abc",
"Protocol": "abc",
"Component": "abc",
"Port": 0,
"RecentTime": "abc",
"FirstTime": "abc",
"Suggestion": 1,
"AffectAssetCount": "abc",
"Id": "abc",
"From": "abc",
"Index": "abc",
"AppId": "abc",
"Nick": "abc",
"Uin": "abc",
"Service": "abc"
}
],
"LevelLists": [
{
"Value": "abc",
"Text": "abc"
}
```

```
],
"SuggestionLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"FromLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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

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

DescribeRiskCenterVULViewVULRiskList

Last updated：2024-07-22 10:38:43

1. API Description

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

This API is used to query the list of vulnerabilities by vulnerabilities.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterVULViewVULRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter	Type	Description

Name		
TotalCount	Integer	Total number of entries
Data	Array of VULViewVULRisk	List of vulnerabilities
LevelLists	Array of FilterDataObject	List of risk levels
FromLists	Array of FilterDataObject	List of check source
VULTypeLists	Array of FilterDataObject	List of vulnerability types
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of vulnerabilities by vulnerabilities

This example shows you how to query the list of vulnerabilities by vulnerabilities.

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
```

```
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"Port": "abc",
"NoHandleCount": 0,
"Level": "abc",
"Component": "abc",
"RecentTime": "abc",
"FirstTime": "abc",
"AffectAssetCount": 1,
"Id": "abc",
"From": "abc",
"Index": "abc",
"VULType": "abc",
"VULName": "abc",
"CVE": "abc",
"Describe": "abc",
"Payload": "abc",
"AppName": "abc",
"References": "abc",
"AppVersion": "abc",
"VULURL": "abc",
"Nick": "abc",
"AppId": "abc",
"Uin": "abc",
"Fix": "abc",
```

```
"EMGCVulType": 0
}
],
"LevelLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"FromLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"VULTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

DescribeRiskCenterWebsiteRiskList

Last updated：2024-07-22 10:38:41

1. API Description

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

This API is used to get the list of content risks.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterWebsiteRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description

TotalCount	Integer	Total number of entries
Data	Array of WebsiteRisk	List of content risks
StatusLists	Array of FilterDataObject	List of risk handling status
LevelLists	Array of FilterDataObject	List of risk levels
InstanceTypeLists	Array of FilterDataObject	List of asset types
DetectEngineLists	Array of FilterDataObject	List of risk types
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
```

```
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"AffectAsset": "abc",
"Level": "abc",
"RecentTime": "abc",
"FirstTime": "abc",
"Status": 1,
"Id": "abc",
"Index": "abc",
"InstanceId": "abc",
"InstanceName": "abc",
"AppId": "abc",
"Nick": "abc",
"Uin": "abc",
"URL": "abc",
"URLPath": "abc",
"InstanceType": "abc",
"DetectEngine": "abc",
"ResultDescribe": "abc",
"SourceURL": "abc",
"SourceURLPath": "abc"
}
],
"StatusLists": [
```

```
{
"Value": "abc",
"Text": "abc"
}
],
"DetectEngineLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"LevelLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"InstanceTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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

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

DescribeScanReportList

Last updated：2024-07-22 10:38:40

1. API Description

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

This API is used to get the list of scan reports.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeScanReportList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of entries

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

4. Example

Example1 Getting the list of scan reports

This example shows you how to get the list of scan reports.

Input Example

```
{
"MemberId": [
"xx"
],
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "xx",
"By": "xx",
"Filters": [
{
"Name": "xx",
"Values": [
"xx"
],
"OperatorType": 0
}
],
"StartTime": "xx",
"EndTime": "xx"
}
}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"TaskId": "xx",
"TaskName": "xx",
"Status": 0,
"Progress": 0,
"TaskTime": "xx",
"ReportId": "xx",
"ReportName": "xx",
"ScanPlan": 0,
"AssetCount": 0,
"AppId": "xx",
"UIN": "xx",
"UserName": "xx"
}
],
"UINList": [
"xx"
],
"RequestId": "xx"
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
AuthFailure	CAM signature/authentication error.
DryRunOperation	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

ModifyRiskCenterRiskStatus

Last updated：2024-07-22 10:38:38

1. API Description

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

This API is used to modify the status of a risk.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyRiskCenterRiskStatus.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
RiskStatusKeys.N	Yes	Array of RiskCenterStatusKey	Data of risk assets
Status	Yes	Integer	Specify how you want to change the risk status. `1` : Change to Handled, `2` : Change to Ignored; `3` : Remove from Handled; `4` : Remove from Ignored
Type	Yes	Integer	Risk type. `0` : Port risk; `1` : Vulnerability; `2` : Weak password; `3` : Website content risk; `4` : Configuration risk; `5` : Risk services

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 status of a risk

This example shows you how to modify the status of a risk.

Input Example

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

{
"RiskStatusKeys": [
{
"Id": "abc",
"PublicIPDomain": "abc",
"InstanceId": "abc",
"AppId": "abc"
}
],
"Status": 1,
"Type": 1
}
```

Output Example

```
{
"Response": {
"RequestId": "abc"
```

```
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.

MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

DescribeRiskCenterServerRiskList

Last updated：2024-07-22 10:38:44

1. API Description

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

This API is used to query the list of services in risk.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRiskCenterServerRiskList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description

TotalCount	Integer	Total number of entries
Data	Array of ServerRisk	List of services in risk
InstanceTypeLists	Array of FilterDataObject	List of asset types
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of services in risk

This example shows you how to query the list of services in risk.

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
```

```
}
}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Data": [
{
"ServiceTag": "abc",
"Port": 1,
"AffectAsset": "abc",
"InstanceId": "abc",
"InstanceName": "abc",
"InstanceType": "abc",
"Level": "abc",
"Protocol": "abc",
"Component": "abc",
"Service": "abc",
"RecentTime": "abc",
"FirstTime": "abc",
"RiskDetails": "abc",
"Suggestion": "abc",
"Status": 1,
"Id": "abc",
"AppId": "abc",
"Nick": "abc",
"Uin": "abc",
"ServiceSnapshot": "abc",
"Url": "abc",
"Index": "abc",
"RiskList": [
{
"Title": "abc",
"Body": "abc"
}
],
"SuggestionList": [
{
"Title": "abc",
"Body": "abc"
}
]
}
],
```

```
"InstanceTypeLists": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.

InternalError	An internal error occurs.
InvalidFilter	
InvalidParameter	The parameter is incorrect.
InvalidParameter.DecryptError	Decrypt error
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RegionError	
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnauthorizedOperation.CloudAudit	
UnauthorizedOperation.Cos	
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

Asset Center APIs
CreateDomainAndIp

Last updated：2024-07-22 10:39:11

1. API Description

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

This API is used to create an asset with the specific domain/IP.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateDomainAndIp.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Content.N	Yes	Array of String	Public IP/domain name
Tags.N	No	Array of AssetTag	Asset tags

3. Output Parameters

Parameter Name	Type	Description
Data	Integer	Number of created assets
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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 asset

Input Example

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

{
"Content": [
"abc"
],
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```

Output Example

```
{
"Response": {
"Data": 0,
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Error Code	Description
FailedOperation	Operation failed.

DeleteDomainAndIp

Last updated：2024-07-22 10:39:10

1. API Description

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

This API is used to delete assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteDomainAndIp.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Content.N	No	Array of PublicIpDomainListKey	u200c-
RetainPath	No	Integer	Whether to retain the path configuration. `1` : Retain; Others: Do not retain. It defaults to do not retain if not specified.
IgnoreAsset	No	Integer	Whether to ignore this asset in the future. `1` : Ignore; Others: Do not ignore. It defaults to ignore if not specified.

Tags.N	No	Array of AssetTag	Asset tags
Type	No	String	Deletion mode. Values: `ALL` (delete all). If it's not specified, `Content` is required.

3. Output Parameters

Parameter Name	Type	Description
Data	Integer	Number of deleted assets
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

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

{
"Content": [
{
"Asset": "abc"
}
],
"RetainPath": 0,
"IgnoreAsset": 0
}
```

Output Example

```
{
"Response": {
"Data": 0,
"RequestId": ""
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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	The request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	An internal error occurs.

InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	The quota limit is reached.
MissingParameter	Missing parameters.
OperationDenied	Operation denied.
RequestLimitExceeded	Too many requests.
ResourceInUse	Occupied resource
ResourceInsufficient	Resources are insufficient.
ResourceNotFound	The resource doesn't exist.
ResourceUnavailable	The resource is unavailable
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	The parameter is unknown.
UnsupportedOperation	The operation is not supported.

DescribeCVMAssetInfo

Last updated：2024-07-22 10:39:08

1. API Description

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

This API is used to query details of CVM assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCVMAssetInfo.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
AssetId	Yes	String	u200c-

3. Output Parameters

Parameter Name	Type	Description
Data	AssetBaseInfoResponse	u200c-

		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 test

API test

Input Example

```
{
"AssetId": "xx"
}
```

Output Example

```
{
"Response": {
"Data": {
"AccountNum": 0,
"AssetId": "",
"AssetName": "",
"AssetType": "",
"CWPStatus": 0,
"DatabaseNum": 0,
"EnvironmentVariableNum": 0,
"JarPackageNum": 0,
"KernelModuleNum": 0,
"Os": "",
"PortNum": 0,
"PrivateIp": "",
"ProcessNum": 0,
"ProtectLevel": "",
"ProtectedDay": 0,
"PublicIp": "",
"Region": "",
"ScheduledTaskNum": 0,
"ServiceNum": 0,
```

```
"SoftApplicationNum": 0,
"StartServiceNum": 0,
"SurplusProtectDay": 0,
"SystemInstallationPackageNum": 0,
"Tag": null,
"VpcId": "",
"VpcName": "",
"WebApplicationNum": 0,
"WebFrameworkNum": 0,
"WebSiteNum": 0
},
"RequestId": "41351849-7623-4356-866d-9e7920b875fa"
}
}
```


5. Developer Resources

SDK

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

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

DescribeDbAssetInfo

Last updated：2024-07-22 10:39:04

1. API Description

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

This API is used to query details of a database asset.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDbAssetInfo.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
AssetId	Yes	String	Asset ID

3. Output Parameters

Parameter Name	Type	Description
Data	DbAssetInfo	Details of a database asset.

		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 test

API test

Input Example

```
{
"AssetId": "cdb-nbq22l65"
}
```

Output Example

```
{
"Response": {
"Data": {
"AssetId": "cdb-nbq22l65",
"AssetName": "cdb379810",
"AssetType": "MYSQL",
"CFWProtectLevel": 1,
"CFWStatus": 1,
"PrivateIp": "192.168.1.11:3306",
"PublicIp": "",
"Region": "ap-guangzhou",
"Tag": null,
"VpcId": "vpc-ds7fl5xn",
"VpcName": "illnggao-test01"
},
"RequestId": "d5a9e4b1-7007-4b6d-a35b-54ebfd16f8fc"
}
}
```

5. Developer Resources

SDK

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

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

DescribeDbAssets

Last updated：2024-07-22 10:39:03

1. API Description

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

This API is used to list database assets.

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

We recommend you to use API Explorer

Try it

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDbAssets.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	u200c-
AssetTypes.N	No	Array of String	Asset types. Values: MYSQL/MARIADB/REDIS/MONGODB/POSTGRES/CTS/ES/KAFKA/C

3. Output Parameters

Parameter	Type	Description

Name		
Total	Integer	Total number of results Note: This field may return·null, indicating that no valid values can be obtained.
Data	Array of DBAssetVO	Total of assets Note: This field may return·null, indicating that no valid values can be obtained.
RegionList	Array of FilterDataObject	List of regions Note: This field may return·null, indicating that no valid values can be obtained.
AssetTypeList	Array of FilterDataObject	List of asset types Note: This field may return·null, indicating that no valid values can be obtained.
VpcList	Array of FilterDataObject	List of VPCs Note: This field may return·null, indicating that no valid values can be obtained.
AppIdList	Array of FilterDataObject	List of users (AppId) Note: This field may return·null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of all database assets

This example shows you how to query the list of all database assets.

Input Example

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

```
{}
```

Output Example


```
{
"Response": {
"AppIdList": [
{
"Text": "1300846651",
"Value": "1300846651"
}
],
"AssetTypeList": [
{
"Text": "COS",
"Value": "COS"
},
{
"Text": "MySQL",
"Value": "MYSQL"
},
{
"Text": "CFS",
"Value": "CFS"
},
{
"Text": "CBS",
"Value": "CBS"
}
],
"Data": [
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2023-08-31 19:37:18",
"AssetId": "cdb-pxwani6r",
"AssetName": "cdb115086",
"AssetType": "MYSQL",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 1,
"IsNewAsset": 0,
"LastScanTime": "-",
"NickName": "Test 2",
```

```
"Port": 0,
"PrivateIp": "10.25.25.2:3306",
"PublicIp": "",
"Region": "ap-chongqing",
"ScanTask": 0,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "vpc-h2i9m8xh",
"VpcName": "fengqqian"
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2023-08-31 10:15:36",
"AssetId": "disk-51a0diaa",
"AssetName": "Unname_SYSDisk",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "-",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-chongqing",
"ScanTask": 0,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2020-10-09 16:46:52",
"AssetId": "disk-jckoxu4h",
"AssetName": "NAT_VPC autotest,Do not delete_system disk",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
```

```
"IsNewAsset": 0,
"LastScanTime": "2023-09-04 16:59:17",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-shanghai",
"ScanTask": 14,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2022-12-05 10:39:35",
"AssetId": "disk-hq4yircx",
"AssetName": "Data disk vulnerability scan test",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "2023-09-04 16:59:17",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-beijing",
"ScanTask": 14,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2020-10-16 17:30:35",
"AssetId": "disk-haamhu15",
"AssetName": "VPC-autotest2,Do not delete_system disk",
"AssetType": "CBS",
"Attack": 0,
```

```
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "2023-09-04 16:59:17",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-shanghai",
"ScanTask": 14,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2023-08-31 19:15:48",
"AssetId": "disk-g3lx4gh0",
"AssetName": "VPC_Guangzhou_Zone3_v_tximtantest__SYSDisk",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "-",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-guangzhou",
"ScanTask": 0,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2023-06-30 15:06:08",
"AssetId": "disk-dh874mht",
```

```
"AssetName": "Unname_SYSDisk",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "2023-09-04 16:59:17",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-beijing",
"ScanTask": 12,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2023-08-30 18:10:46",
"AssetId": "disk-dcyyxrhk",
"AssetName": " v_tximtantest_System Disk",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "-",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-guangzhou",
"ScanTask": 0,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
```

```
"AppId": 1300846651,
"AssetCreateTime": "2020-10-16 17:20:32",
"AssetId": "disk-d5emuwa3",
"AssetName": "VPC-autotest,Do not delete_system disk",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "2023-09-04 16:59:17",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-shanghai",
"ScanTask": 14,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
},
{
"Access": 0,
"AppId": 1300846651,
"AssetCreateTime": "2020-06-18 17:24:02",
"AssetId": "disk-8ve9yxot",
"AssetName": "Unname_SYSDisk",
"AssetType": "CBS",
"Attack": 0,
"ConfigurationRisk": 0,
"Domain": "",
"IsCore": 2,
"IsNewAsset": 0,
"LastScanTime": "2023-09-04 16:59:17",
"NickName": "Test 2",
"Port": 0,
"PrivateIp": "",
"PublicIp": "",
"Region": "ap-shanghai",
"ScanTask": 14,
"Status": 1,
"Tag": null,
"Uin": "100011949846",
"VpcId": "",
"VpcName": ""
```

```
}
],
"RegionList": [
{
"Text": "Shanghai",
"Value": "ap-shanghai"
},
{
"Text": "Chongqing",
"Value": "ap-chongqing"
},
{
"Text": "Guangzhou",
"Value": "ap-guangzhou"
},
{
"Text": "Hong Kong (China)",
"Value": "ap-hongkong"
},
{
"Text": "Beijing",
"Value": "ap-beijing"
},
{
"Text": "Nanjing",
"Value": "ap-nanjing"
}
],
"RequestId": "7899491b-9407-4bca-8363-ddddbbb3486c",
"Total": 29,
"VpcList": [
{
"Text": "fengqqian",
"Value": "vpc-h2i9m8xh"
}
]
}
}
```


5. Developer Resources

SDK

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

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

DescribeDomainAssets

Last updated：2024-07-22 10:39:01

1. API Description

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

This API is used to list domain assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDomainAssets.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	u200c-
Tags.N	No	Array of AssetTag	CSC tags of the asset

3. Output Parameters

Parameter Name	Type	Description

Total	Integer	u200c- Note: This field may return·null, indicating that no valid values can be obtained.
Data	Array of DomainAssetVO	u200c- Note: This field may return·null, indicating that no valid values can be obtained.
DefenseStatusList	Array of FilterDataObject	List of WAF protection status Note: This field may return·null, indicating that no valid values can be obtained.
AssetLocationList	Array of FilterDataObject	List of asset locations Note: This field may return·null, indicating that no valid values can be obtained.
SourceTypeList	Array of FilterDataObject	List of asset types Note: This field may return·null, indicating that no valid values can be obtained.
RegionList	Array of FilterDataObject	List of regions 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 Example

API Example

Input Example

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

{
"Filter": {
```

```
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```


Output Example


```
{
"Response": {
"AssetLocationList": [],
"Data": null,
"DefenseStatusList": [],
"RegionList": [],
"RequestId": "16cd9855-3a4c-4a65-a7f7-1ac66472d103",
"SourceTypeList": [],
"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

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

DescribeSubnetAssets

Last updated：2024-07-22 10:38:57

1. API Description

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

This API is used to get the list of subnets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSubnetAssets.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter parameters

3. Output Parameters

Parameter Name	Type	Description
Data	Array of	Data list

	SubnetAsset	
TotalCount	Integer	Total number of results
RegionList	Array of FilterDataObject	List of regions
VpcList	Array of FilterDataObject	List of VPCs
AppIdList	Array of FilterDataObject	List of AppIds
ZoneList	Array of FilterDataObject	List of availability zones
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

```
{
"MemberId": [
"xx"
],
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "xx",
"By": "xx",
"Filters": [
{
"Name": "xx",
"Values": [
"xx"
],
"OperatorType": 0
}
```

```
],
"StartTime": "2021-01-01 00:00:00",
"EndTime": "2021-01-01 00:00:00"
}
}
```

Output Example

```
{
"Response": {
"Data": [
{
"AppId": "xx",
"Uin": "xx",
"AssetId": "xx",
"AssetName": "xx",
"Region": "xx",
"VpcId": "xx",
"VpcName": "xx",
"Tag": [
{
"Name": "xx",
"Value": "xx"
}
],
"Nick": "xx",
"CIDR": "xx",
"Zone": "xx",
"CVM": 0,
"AvailableIp": 0,
"CreateTime": "xx",
"ConfigureRisk": 0,
"ScanTask": 0,
"LastScanTime": "xx"
}
],
"TotalCount": 0,
"RegionList": [
{
"Value": "xx",
"Text": "xx"
}
],
"VpcList": [
{
"Value": "xx",
```

```
"Text": "xx"
}
],
"ZoneList": [
{
"Value": "xx",
"Text": "xx"
}
],
"AppIdList": [
{
"Value": "xx",
"Text": "xx"
}
],
"RequestId": "xx"
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

DescribeVpcAssets

Last updated：2024-07-22 10:38:56

1. API Description

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

This API is used to get the list of VPCs.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcAssets.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter parameters

3. Output Parameters

Parameter Name	Type	Description
Data	Array of Vpc	Data list

TotalCount	Integer	Total number of results
VpcList	Array of FilterDataObject	List of VPCs
RegionList	Array of FilterDataObject	List of regions
AppIdList	Array of FilterDataObject	List of AppIds
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

```
{
"MemberId": [
"xx"
],
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "xx",
"By": "xx",
"Filters": [
{
"Name": "xx",
"Values": [
"xx"
],
"OperatorType": 0
}
],
"StartTime": "2021-01-01 00:00:00",
"EndTime": "2021-01-01 00:00:00"
}
}
```

Output Example


```
{
"Response": {
"Data": [
{
"Subnet": 1,
"ConnectedVpc": 1,
"AssetId": "xx",
"Region": "xx",
"CVM": 1,
"Tag": [
{
"Name": "xx",
"Value": "xx"
}
],
"DNS": [
"xx"
],
"AssetName": "xx",
"CIDR": "xx",
"CreateTime": "xx",
"AppId": "xx",
"Uin": "xx",
"Nick": "xx"
}
],
"TotalCount": 0,
"VpcList": [
{
"Value": "xx",
"Text": "xx"
}
],
"RegionList": [
{
"Value": "xx",
"Text": "xx"
}
],
"AppIdList": [
{
"Value": "xx",
"Text": "xx"
}
```

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

5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

DescribeListenerList

Last updated：2024-07-22 10:39:00

1. API Description

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

This API is used to query the list of TCP listeners.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeListenerList.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	u200c-

3. Output Parameters

Parameter Name	Type	Description
Total	Integer	Total number of results

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

4. Example

Example1 Sample 1

Sample 1

Input Example

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

{}
```

Output Example


```
{
"Response": {
"Data": [
{
"Domain": "www.testwaf0420.com,,baidu.com,,baidu.com,,baidu.com,,www.testwaf0420.com,,rn.dzoyzy.top,,www.testwaf0420.com,,baidu.com,,www.testwaf0420.com,,baidu.com,",
"ListenerId": "lbl-5n1jiwjo",
"ListenerName": "80",
"LoadBalancerDomain": "",
"LoadBalancerId": "lb-pflq0j2e",
"LoadBalancerName": "lb-642137c1",
"LoadBalancerType": "OPEN",
"NumericalVpcId": 2783729,
```

```
"Protocol": "HTTP",
"Region": "gz",
"VPort": 80,
"Vip": "1.14.234.167",
"Zone": "ap-guangzhou-6"
},
{
"Domain": "81.71.21.14,,81.71.21.14,,81.71.21.14,,81.71.21.14,,81.71.21.14,,81.7
1.21.14,,81.71.21.14,,81.71.21.14,",
"ListenerId": "lbl-c2tgl6w0",
"ListenerName": "web",
"LoadBalancerDomain": "",
"LoadBalancerId": "lb-meckpdk0",
"LoadBalancerName": "lsy",
"LoadBalancerType": "OPEN",
"NumericalVpcId": 8246908,
"Protocol": "HTTP",
"Region": "gz",
"VPort": 80,
"Vip": "81.71.21.14",
"Zone": "ap-guangzhou-4"
},
{
"Domain": "1.15.159.154,,1.15.159.154,,1.15.159.154,,1.15.159.154,,1.15.159.154,,
1.15.159.154,,1.15.159.154,,1.15.159.154,",
"ListenerId": "lbl-gkydcakh",
"ListenerName": "test-alert",
"LoadBalancerDomain": "",
"LoadBalancerId": "lb-bf5sfyqz",
"LoadBalancerName": "autotest_HoneyPot",
"LoadBalancerType": "OPEN",
"NumericalVpcId": 3888171,
"Protocol": "HTTP",
"Region": "sh",
"VPort": 8000,
"Vip": "1.15.159.154",
"Zone": "ap-shanghai-2"
},
{
"Domain": ",",
"ListenerId": "lbl-mlrg4y76",
"ListenerName": "test",
"LoadBalancerDomain": "",
"LoadBalancerId": "lb-pflq0j2e",
"LoadBalancerName": "lb-642137c1",
"LoadBalancerType": "OPEN",
"NumericalVpcId": 2783729,
```

```
"Protocol": "HTTP",
"Region": "gz",
"VPort": 8080,
"Vip": "1.14.234.167",
"Zone": "ap-guangzhou-6"
}
],
"RequestId": "3f2d43d2-e003-4872-8953-18d080e98c1d",
"Total": 4
}
}
```


5. Developer Resources

SDK

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

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

DescribePublicIpAssets

Last updated：2024-07-22 10:38:58

1. API Description

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

This API is used to query the list of public IP assets.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribePublicIpAssets.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions
Tags.N	No	Array of AssetTag	CSC tags of the asset

3. Output Parameters

Parameter Name	Type	Description

Data	Array of IpAssetListVO	Data list Note: This field may return·null, indicating that no valid values can be obtained.
Total	Integer	Total number of results
AssetLocationList	Array of FilterDataObject	List of asset locations Note: This field may return·null, indicating that no valid values can be obtained.
IpTypeList	Array of FilterDataObject	List of IP types Note: This field may return·null, indicating that no valid values can be obtained.
RegionList	Array of FilterDataObject	List of regions Note: This field may return·null, indicating that no valid values can be obtained.
DefenseStatusList	Array of FilterDataObject	List of protection status Note: This field may return·null, indicating that no valid values can be obtained.
AssetTypeList	Array of FilterDataObject	List of asset types Note: This field may return·null, indicating that no valid values can be obtained.
AppIdList	Array of FilterDataObject	List of AppIds 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 assets

Input Example

```
POST / HTTP/1.1
Host: csip.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribePublicIpAssets
```

```
<Common request parameters>

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
},
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
]
}
```

Output Example

```
{
"Response": {
"Data": [
{
"AssetId": "abc",
"AssetName": "abc",
"AssetType": "abc",
"Region": "abc",
"CFWStatus": 1,
"AssetCreateTime": "abc",
"PublicIp": "abc",
"PublicIpType": 1,
"VpcId": "abc",
"VpcName": "abc",
"AppId": 1,
"Uin": "abc",
```

```
"NickName": "abc",
"IsCore": 1,
"IsCloud": 1,
"Attack": 1,
"Access": 1,
"Intercept": 1,
"InBandwidth": "abc",
"OutBandwidth": "abc",
"InFlow": "abc",
"OutFlow": "abc",
"LastScanTime": "abc",
"PortRisk": 1,
"VulnerabilityRisk": 1,
"ConfigurationRisk": 1,
"ScanTask": 1,
"WeakPassword": 1,
"WebContentRisk": 1,
"Tag": [
{
"Name": "abc",
"Value": "abc"
}
],
"AddressId": "abc",
"MemberId": "abc",
"RiskExposure": 0,
"IsNewAsset": 1,
"VerifyStatus": 0
}
],
"Total": 1,
"AssetLocationList": [
{
"Value": "abc",
"Text": "abc"
}
],
"IpTypeList": [
{
"Value": "abc",
"Text": "abc"
}
],
"RegionList": [
{
"Value": "abc",
"Text": "abc"
```

```
}
],
"AppIdList": [
{
"Value": "abc",
"Text": "abc"
}
],
"DefenseStatusList": [
{
"Value": "abc",
"Text": "abc"
}
],
"AssetTypeList": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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

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

DescribeCVMAssets

Last updated：2024-07-22 10:39:07

1. API Description

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

This API is used to query the list of CVM assets.

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

We recommend you to use API Explorer

Try it

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCVMAssets.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	u200c-

3. Output Parameters

Parameter Name	Type	Description
Total	Integer	u200c- Note: This field may return·null, indicating that no valid values can be

		obtained.
Data	Array of CVMAssetVO	u200c- Note: This field may return·null, indicating that no valid values can be obtained.
RegionList	Array of FilterDataObject	List of regions Note: This field may return·null, indicating that no valid values can be obtained.
DefenseStatusList	Array of FilterDataObject	Protection status Note: This field may return·null, indicating that no valid values can be obtained.
VpcList	Array of FilterDataObject	List of VPCs Note: This field may return·null, indicating that no valid values can be obtained.
AssetTypeList	Array of FilterDataObject	List of asset types Note: This field may return·null, indicating that no valid values can be obtained.
SystemTypeList	Array of FilterDataObject	List of operating systems Note: This field may return·null, indicating that no valid values can be obtained.
IpTypeList	Array of FilterDataObject	List of IP types Note: This field may return·null, indicating that no valid values can be obtained.
AppIdList	Array of FilterDataObject	List of AppIds Note: This field may return·null, indicating that no valid values can be obtained.
ZoneList	Array of FilterDataObject	List of availability zones Note: This field may return·null, indicating that no valid values can be obtained.
OsList	Array of FilterDataObject	List of operating systems Note: This field may return·null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of CVM assets

This example shows you how to query the list of CVM assets.

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
}
}
```

Output Example

```
{
"Response": {
"AppIdList": [
{
"Text": "1300448058",
"Value": "1300448058"
}
],
"AssetTypeList": [
```

```
{
"Text": "Edge Compute Machine (ECM)",
"Value": "ECM"
},
{
"Text": "Tencent Cloud Virtual Machine (CVM)",
"Value": "CVM"
}
],
"Data": [
{
"Access": 0,
"AccountCount": "-",
"AppCount": "-",
"AppId": 1300448058,
"AssetCreateTime": "2023-02-16 16:51:34",
"AssetId": "ein-b41zgmgq",
"AssetName": "test1",
"AssetType": "ECM",
"Attack": 0,
"AvailableArea": "",
"CPUInfo": "",
"CPULoad": "Low",
"CPUSize": 0,
"CWPStatus": 1,
"ConfigurationRisk": 0,
"DiskLoad": "0.00%",
"DiskSize": "0GB",
"InBandwidth": "0.00bps",
"InFlow": "0.00B",
"InstanceQUuid": "40b8a793-1e96-4101-b832-1f973b8efdb7",
"InstanceUuid": "",
"Intercept": 0,
"IsCore": 1,
"LastScanTime": "2023-03-31 17:40:20",
"MemberId": "mem-c957e6a7195c85e0",
"MemoryLoad": "0.00%",
"MemorySize": "0GB",
"NetWorkOut": 0,
"NickName": "Test 1",
"Os": "CentOS 8.0 64bit",
"OsName": "CentOS 8.0 64bit",
"OutBandwidth": "0.00bps",
"OutFlow": "0.00B",
"PartitionCount": 0,
"PortCount": 0,
"PortRisk": 0,
```

```
"PrivateIp": "10.212.0.4",
"ProcessCount": "-",
"PublicIp": "119.147.20.109",
"Region": "ap-guangzhou",
"ScanTask": 13,
"SubnetId": "subnet-0aos839s",
"SubnetName": "",
"Tag": [
{
"Name": "TestA",
"Value": "TestB"
}
],
"Uin": "100011616646",
"VpcId": "vpc-4c9w05r5",
"VpcName": "",
"VulnerabilityRisk": 0
}
],
"DefenseStatusList": [
{
"Text": "Protection not activated",
"Value": "1"
},
{
"Text": "Basic edition not activated",
"Value": "2"
}
],
"IpTypeList": [
{
"Text": "Public network assets",
"Value": "1"
},
{
"Text": "Private network assets",
"Value": "0"
}
],
"OsList": [
{
"Text": "CentOS",
"Value": "1"
},
{
"Text": "Unknown",
"Value": "0"
```

```
},
{
"Text": "TencentOS",
"Value": "7"
},
{
"Text": "Ubuntu",
"Value": "5"
}
],
"RegionList": [
{
"Text": "Guangzhou",
"Value": "ap-guangzhou"
},
{
"Text": "Shanghai",
"Value": "ap-shanghai"
},
{
"Text": "Beijing",
"Value": "ap-beijing"
},
{
"Text": "Chengdu",
"Value": "ap-chengdu"
},
{
"Text": "Nanjing",
"Value": "ap-nanjing"
}
],
"RequestId": "71673908-8c7d-41c3-8564-57c741ed3596",
"SystemTypeList": [
{
"Text": "linux",
"Value": "linux"
}
],
"Total": 29,
"VpcList": [
{
"Text": "Cross-tenant test 2",
"Value": "vpc-f6xj8nho"
},
{
"Text": "Chengdusdwan",
```

```
"Value": "vpc-ebfqtnxa"
},
{
"Text": "Conflictsdwan",
"Value": "vpc-dw314am3"
},
{
"Text": "vpctest",
"Value": "vpc-rkm452h0"
},
{
"Text": "Default-VPCLong23132132132132313",
"Value": "vpc-5vcbd7cv"
}
],
"ZoneList": [
{
"Text": "Guangzhou",
"Value": "ap-guangzhou"
},
{
"Text": "Shanghai",
"Value": "ap-shanghai"
},
{
"Text": "Beijing",
"Value": "ap-beijing"
},
{
"Text": "Chengdu",
"Value": "ap-chengdu"
},
{
"Text": "Nanjing",
"Value": "ap-nanjing"
}
]
}
}
```


5. Developer Resources

SDK

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

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

DescribeClusterPodAssets

Last updated：2024-07-22 10:39:06

1. API Description

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

This API is used to list cluster pods.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeClusterPodAssets.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Filter	No	Filter	Filter conditions

3. Output Parameters

Parameter Name	Type	Description
Data	Array of	Data list

	AssetClusterPod	
TotalCount	Integer	Total number of results
PodStatusList	Array of FilterDataObject	List of cluster pod status
NamespaceList	Array of FilterDataObject	List of namespaces
RegionList	Array of FilterDataObject	List of regions
AppIdList	Array of FilterDataObject	List of users (AppId)
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails 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

Example

Input Example

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

{
"Filter": {
"Limit": 0,
"Offset": 0,
"Order": "abc",
"By": "abc",
"Filters": [
{
"Name": "abc",
"Values": [
```

```
"abc"
],
"OperatorType": 0
}
],
"StartTime": "abc",
"EndTime": "abc"
}
}
```

Output Example

```
{
"Response": {
"Data": [
{
"AppId": 0,
"Uin": "abc",
"Nick": "abc",
"Region": "abc",
"AssetId": "abc",
"AssetName": "abc",
"InstanceCreateTime": "abc",
"Namespace": "abc",
"PublicIp": "abc",
"PrivateIp": "abc",
"Status": "abc",
"ClusterId": "abc",
"ClusterName": "abc",
"MachineId": "abc",
"MachineName": "abc",
"PodIp": "abc",
"ServiceCount": 0,
"ContainerCount": 0
}
],
"TotalCount": 0,
"PodStatusList": [
{
"Value": "abc",
"Text": "abc"
}
],
"RegionList": [
{
"Value": "abc",
```

```
"Text": "abc"
}
],
"AppIdList": [
{
"Value": "abc",
"Text": "abc"
}
],
"NamespaceList": [
{
"Value": "abc",
"Text": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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

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

Solid Protection APIs
DescribeSearchBugInfo

Last updated：2024-07-22 10:38:28

1. API Description

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

This API is used to query information of a vulnerability.

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSearchBugInfo.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.
Id	Yes	String	Type of the query action. `1` : Query emergency vulnerabilities; `2` : Query all vulnerabilities; `3` : Query a specific vulnerability. When `Id=3` , `CVEId` is required.
CVEId	No	String	CVE number of the vulnerability. It's required when `Id=3` .

3. Output Parameters

Parameter Name	Type	Description
Data	DataSearchBug	Vulnerability and asset information Note: This field may return·null, indicating that no valid values can be obtained.
ReturnCode	Integer	Status code. Valid values: 0: successful; others: failed.
ReturnMsg	String	Status message. Valid values: success: successful query; fail: failed query.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Example

Input Example

```
{
"Id": "xx",
"CVEId": "xx"
}
```

Output Example

```
{
"Response": {
"Data": {
"StateCode": "xx",
"DataBug": [
{
"Id": 1,
"PatchId": "xx",
"VULName": "xx",
"Level": "xx",
"CVSSScore": "xx",
"CVEId": "xx",
"Tag": "xx",
"VULCategory": 1,
"ImpactOs": "xx",
"ImpactCOMPENT": "xx",
```

```
"ImpactVersion": "xx",
"Reference": "xx",
"VULDescribe": "xx",
"Fix": "xx",
"ProSupport": 1,
"IsPublish": 1,
"ReleaseTime": "xx",
"CreateTime": "xx",
"UpdateTime": "xx",
"SubCategory": "xx"
}
],
"DataAsset": [
{
"AppID": "xx",
"CVEId": "xx",
"IsScan": 0,
"InfluenceAsset": 0,
"NotRepairAsset": 0,
"NotProtectAsset": 0,
"TaskId": "xx",
"TaskPercent": 0,
"TaskTime": 0,
"ScanTime": "xx"
}
],
"VSSScan": true,
"CWPScan": "xx",
"CFWPatch": "xx",
"WafPatch": 0,
"CWPFix": 0
},
"ReturnCode": 0,
"ReturnMsg": "xx",
"RequestId": "xx"
}
}
```


5. Developer Resources

SDK

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Cloud Security Center Overview APIs
AddNewBindRoleUser

Last updated：2024-07-22 10:38:54

1. API Description

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

This API is used to add the CAM role of Cloud Security Center (CSC) to the current account. The name of the CAM role is "csip".

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

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AddNewBindRoleUser.
Version	Yes	String	Common Params. The value used for this API: 2022-11-21.
Region	No	String	Common Params. This parameter is not required.

3. Output Parameters

Parameter Name	Type	Description

Status	Integer	`0` : successful. Other values: 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 Adding the CSC (CSIP) CAM role

This example shows you how to add the CAM role of CSC (CSIP) for your account.

Input Example

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

{}
```

Output Example

```
{
"Response": {
"Status": 0,
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

Data Types

Last updated：2024-07-22 10:43:10

AssetBaseInfoResponse

Details of server assets

Used by actions: DescribeCVMAssetInfo.

Name	Type	Description
VpcId	String	
VpcName	String	vpc-name Note: This field may return·null, indicating that no valid values can be obtained.
AssetName	String	Asset name Note: This field may return·null, indicating that no valid values can be obtained.
Os	String	Operating system Note: This field may return·null, indicating that no valid values can be obtained.
PublicIp	String	Public IP Note: This field may return·null, indicating that no valid values can be obtained.
PrivateIp	String	Private IP Note: This field may return·null, indicating that no valid values can be obtained.
Region	String	Region Note: This field may return·null, indicating that no valid values can be obtained.
AssetType	String	Asset type Note: This field may return·null, indicating that no valid values can be obtained.
AssetId	String	Asset ID Note: This field may return·null, indicating that no valid values can be obtained.

AccountNum	Integer	Total number of accounts Note: This field may return·null, indicating that no valid values can be obtained.
PortNum	Integer	Number of ports Note: This field may return·null, indicating that no valid values can be obtained.
ProcessNum	Integer	Number of processes Note: This field may return·null, indicating that no valid values can be obtained.
SoftApplicationNum	Integer	Numbernumb of software applications Note: This field may return·null, indicating that no valid values can be obtained.
DatabaseNum	Integer	Number of databases Note: This field may return·null, indicating that no valid values can be obtained.
WebApplicationNum	Integer	Number of web applications Note: This field may return·null, indicating that no valid values can be obtained.
ServiceNum	Integer	Number of services Note: This field may return·null, indicating that no valid values can be obtained.
WebFrameworkNum	Integer	Number of web frameworks Note: This field may return·null, indicating that no valid values can be obtained.
WebSiteNum	Integer	Number of websites Note: This field may return·null, indicating that no valid values can be obtained.
JarPackageNum	Integer	Number of JAR packages Note: This field may return·null, indicating that no valid values can be obtained.
StartServiceNum	Integer	Number of enabled services Note: This field may return·null, indicating that no valid values can be obtained.
ScheduledTaskNum	Integer	Number of scheduled tasks Note: This field may return·null, indicating that no valid values can be obtained.

EnvironmentVariableNum	Integer	Number of environment variables Note: This field may return·null, indicating that no valid values can be obtained.
KernelModuleNum	Integer	Number of kernel modules Note: This field may return·null, indicating that no valid values can be obtained.
SystemInstallationPackageNum	Integer	Number of system installation packages Note: This field may return·null, indicating that no valid values can be obtained.
SurplusProtectDay	Integer	Remaining service validity in days Note: This field may return·null, indicating that no valid values can be obtained.
CWPStatus	Integer	Whether the CWPP agent is installed. Values: `1` (installed) and `0` (not installed) Note: This field may return·null, indicating that no valid values can be obtained.
Tag	Array of Tag	Tags Note: This field may return·null, indicating that no valid values can be obtained.
ProtectLevel	String	Protection level Note: This field may return·null, indicating that no valid values can be obtained.
ProtectedDay	Integer	Usage of CWPP service in days Note: This field may return·null, indicating that no valid values can be obtained.

AssetClusterPod

This example shows you how to list the list of cluster pods.

Used by actions: DescribeClusterPodAssets.

Name	Type	Description
AppId	Integer	Tenant ID
Uin	String	Tenant UIN

Nick	String	Tenant name
Region	String	Region Note: This field may return·null, indicating that no valid values can be obtained.
AssetId	String	Pod ID
AssetName	String	Pod name
InstanceCreateTime	String	Creation time of the pod Note: This field may return·null, indicating that no valid values can be obtained.
Namespace	String	Namespace Note: This field may return·null, indicating that no valid values can be obtained.
Status	String	Status Note: This field may return·null, indicating that no valid values can be obtained.
ClusterId	String	Cluster ID Note: This field may return·null, indicating that no valid values can be obtained.
ClusterName	String	Cluster name Note: This field may return·null, indicating that no valid values can be obtained.
MachineId	String	Server ID Note: This field may return·null, indicating that no valid values can be obtained.
MachineName	String	Server name Note: This field may return·null, indicating that no valid values can be obtained.
PodIp	String	Pod IP Note: This field may return·null, indicating that no valid values can be obtained.
ServiceCount	Integer	Number of associated services Note: This field may return·null, indicating that no valid values can be obtained.
ContainerCount	Integer	Number of associated containers Note: This field may return·null, indicating that no valid values can be

		obtained.
PublicIp	String	Public IP Note: This field may return·null, indicating that no valid values can be obtained.
PrivateIp	String	Private IP Note: This field may return·null, indicating that no valid values can be obtained.
IsCore	Integer	Whether it's a critical asset. Values: `1` (critical asset), `0` (non-critical asset) Note: This field may return·null, indicating that no valid values can be obtained.
IsNewAsset	Integer	Whether it's a newly-added asset. Values: `1` (Yes), `0` (No) Note: This field may return·null, indicating that no valid values can be obtained.

AssetInfoDetail

Details of asset scan result

Used by actions: DescribeSearchBugInfo.

Name	Type	Description
AppID	String	AppID of the user Note: This field may return·null, indicating that no valid values can be obtained.
CVEId	String	CVE number Note: This field may return·null, indicating that no valid values can be obtained.
IsScan	Integer	Whether the asset is scanned. Values: `0` : (default) Not scanned; `1` : Scanning; `2` : Scan completed; `3` : Error while scanning Note: This field may return·null, indicating that no valid values can be obtained.
InfluenceAsset	Integer	Number of affected assets Note: This field may return·null, indicating that no valid values can be obtained.
NotRepairAsset	Integer	Number of not fixed assets Note: This field may return·null, indicating that no valid values can be obtained.
NotProtectAsset	Integer	Number of not protected assets Note: This field may return·null, indicating that no valid values can be obtained.

TaskId	String	Task ID Note: This field may return·null, indicating that no valid values can be obtained.
TaskPercent	Integer	Task progress in terms of percentage Note: This field may return·null, indicating that no valid values can be obtained.
TaskTime	Integer	Task creation time Note: This field may return·null, indicating that no valid values can be obtained.
ScanTime	String	Scan start time Note: This field may return·null, indicating that no valid values can be obtained.

AssetTag

Asset tags

Used by actions: CreateDomainAndIp, CreateRiskCenterScanTask, DeleteDomainAndIp, DescribeDomainAssets, DescribePublicIpAssets, DescribeRiskCenterAssetViewCFGRiskList, DescribeRiskCenterAssetViewPortRiskList, DescribeRiskCenterAssetViewVULRiskList, DescribeRiskCenterAssetViewWeakPasswordRiskList, DescribeRiskCenterPortViewPortRiskList, DescribeRiskCenterServerRiskList, DescribeRiskCenterVULViewVULRiskList, DescribeRiskCenterWebsiteRiskList.

Name	Type	Required	Description
TagKey	String	No	Tag key. It supports alphanumeric characters and underscores (_). Note: This field may return·null, indicating that no valid values can be obtained.
TagValue	String	No	Tag value. It supports alphanumeric characters and underscores (_). Note: This field may return·null, indicating that no valid values can be obtained.

AssetViewCFGRisk

Details of a configuration risk

Used by actions: DescribeRiskCenterAssetViewCFGRiskList.

Name	Type	Description
Id	String	The unique ID.

CFGName	String	Configuration name
CheckType	String	Check type
InstanceId	String	Instance ID
InstanceName	String	Instance name
InstanceType	String	Instance type
AffectAsset	String	Affected assets
Level	String	Risk level
FirstTime	String	First detected
RecentTime	String	Last detected
From	String	Source of the task
Status	Integer	Status
CFGSTD	String	u200c-
CFGDescribe	String	Configuration details.
CFGFix	String	Fix suggestion
CFGHelpURL	String	URL of the help documentation
Index	String	Data entry key
AppId	String	User AppId
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User UIN Note: This field may return·null, indicating that no valid values can be obtained.

AssetViewPortRisk

Port risk details

Used by actions: DescribeRiskCenterAssetViewPortRiskList.

Name	Type	Description

Port	Integer	Port
AffectAsset	String	Affected assets
Level	String	Risk level
InstanceType	String	Asset type
Protocol	String	Network protocol
Component	String	Components
Service	String	Service
RecentTime	String	Last detected
FirstTime	String	First detected
Suggestion	Integer	Suggested action. `0` : Keep as it is; `1` : Block access requests; `2` : Block the port
Status	Integer	Status of the risk. `0` : Not handled, `1` : Handled; `2` : Ignored
Id	String	Unique ID of the asset
Index	String	Frontend index
InstanceId	String	Instance ID
InstanceName	String	Instance name
AppId	String	User `appid`
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
From	String	Source of the task

AssetViewVULRisk

Details of a vulnerability

Used by actions: DescribeRiskCenterAssetViewVULRiskList.

Name	Type	Description
AffectAsset	String	Affected assets
Level	String	Risk level
InstanceType	String	Asset type
Component	String	Components
Service	String	Service
RecentTime	String	Last detected
FirstTime	String	First detected
Status	Integer	Status of the risk. `0` : Not handled, `1` : Handled; `2` : Ignored
Id	String	Unique ID of the asset
Index	String	Frontend index
InstanceId	String	Instance ID
InstanceName	String	Instance name
AppId	String	User `appid`
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
VULType	String	Vulnerability type
Port	String	Port
Describe	String	Description
AppName	String	Components affected by the vulnerability
References	String	Reference information about the vulnerability
AppVersion	String	Version
VULURL	String	Vulnerability URL
VULName	String	Vulnerability name

CVE	String	CVE number
Fix	String	Fix suggestion
POCId	String	POC ID
From	String	Source of the task
CWPVersion	Integer	CWPP edition
IsSupportRepair	Boolean	Whether it can be fixed
IsSupportDetect	Boolean	Whether it can be detected
InstanceUUID	String	Instance UUID
Payload	String	Pay load
EMGCVulType	Integer	Whether it's an emergency vulnerability. Values: `1` (emergency vulnerability); `0` (non-emergency vulnerability Note: This field may return·null, indicating that no valid values can be obtained.

AssetViewWeakPassRisk

Details of a weak password risk

Used by actions: DescribeRiskCenterAssetViewWeakPasswordRiskList.

Name	Type	Description
AffectAsset	String	Affected assets
Level	String	Risk level
InstanceType	String	Asset type
Component	String	Components
Service	String	Service
RecentTime	String	Last detected
FirstTime	String	First detected
Status	Integer	Status of the risk. `0` : Not handled, `1` : Handled; `2` : Ignored
Id	String	Unique ID of the asset

Index	String	Frontend index
InstanceId	String	Instance ID
InstanceName	String	Instance name
AppId	String	User AppId
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
PasswordType	String	Weak password type
From	String	Source of the task
VULType	String	Vulnerability type
VULURL	String	Vulnerability URL
Fix	String	Fix suggestion
Payload	String	Pay load

BugInfoDetail

Vulnerability details

Used by actions: DescribeSearchBugInfo.

Name	Type	Description
Id	Integer	Vulnerability ID Note: This field may return null, indicating that no valid values can be obtained.
PatchId	String	POC ID of the vulnerability Note: This field may return null, indicating that no valid values can be obtained.
VULName	String	Vulnerability name Note: This field may return null, indicating that no valid values can be obtained.
Level	String	Vulnerability severity: `high` , `middle` , `low` , `info` Note: This field may return null, indicating that no valid values can be obtained.

CVSSScore	String	CVSS score Note: This field may return null, indicating that no valid values can be obtained.
CVEId	String	CVE number Note: This field may return null, indicating that no valid values can be obtained.
Tag	String	Vulnerability tag Note: This field may return null, indicating that no valid values can be obtained.
VULCategory	Integer	Vulnerability category: `1` : Web application vulnerabilities, `2` : System component vulnerabilities, `3` : Configuration risks Note: This field may return null, indicating that no valid values can be obtained.
ImpactOs	String	Operating systems affected by the vulnerability Note: This field may return null, indicating that no valid values can be obtained.
ImpactCOMPENT	String	Components affected by the vulnerability Note: This field may return null, indicating that no valid values can be obtained.
ImpactVersion	String	Versions affected by the vulnerability Note: This field may return null, indicating that no valid values can be obtained.
Reference	String	Reference information of the vulnerability Note: This field may return null, indicating that no valid values can be obtained.
VULDescribe	String	Vulnerability description Note: This field may return null, indicating that no valid values can be obtained.
Fix	String	Fix suggestion Note: This field may return null, indicating that no valid values can be obtained.
ProSupport	Integer	Product support status. The real-time status is returned. Note: This field may return null, indicating that no valid values can be obtained.
IsPublish	Integer	Specify whether the vulnerability is published as an emergency vulnerability. `1` : Published as an emergency vulnerability; `0` : Not an emergency vulnerability. Note: This field may return null, indicating that no valid values can be obtained.
ReleaseTime	String	Disclosure time of the vulnerability. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	The time when the vulnerability is added to the vulnerability database. Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	The last update time of the vulnerability in the database Note: This field may return null, indicating that no valid values can be obtained.

SubCategory	String	Sub-category of the vulnerability Note: This field may return null, indicating that no valid values can be obtained.

CVMAssetVO

Details of a server asset

Used by actions: DescribeCVMAssets.

Name	Type	Required	Description
AssetId	String	No	Asset ID Note: This field may return·null, indicating that no valid values can be obtained.
AssetName	String	No	Asset name Note: This field may return·null, indicating that no valid values can be obtained.
AssetType	String	No	Asset type Note: This field may return·null, indicating that no valid values can be obtained.
Region	String	No	Region Note: This field may return·null, indicating that no valid values can be obtained.
CWPStatus	Integer	No	Protection status Note: This field may return·null, indicating that no valid values can be obtained.
AssetCreateTime	String	No	Asset creation time Note: This field may return·null, indicating that no valid values can be obtained.
PublicIp	String	No	Public IP Note: This field may return·null, indicating that no valid values can be obtained.
PrivateIp	String	No	Private IP Note: This field may return·null, indicating that no valid values can be obtained.
VpcId	String	No	
VpcName	String	No	VPC name

			Note: This field may return·null, indicating that no valid values can be obtained.
AppId	Integer	No	App ID Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	No	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
NickName	String	No	User name Note: This field may return·null, indicating that no valid values can be obtained.
AvailableArea	String	No	Availability zone Note: This field may return·null, indicating that no valid values can be obtained.
IsCore	Integer	No	Whether it's a critical asset Note: This field may return·null, indicating that no valid values can be obtained.
SubnetId	String	No	Subnet ID Note: This field may return·null, indicating that no valid values can be obtained.
SubnetName	String	No	Subnet name Note: This field may return·null, indicating that no valid values can be obtained.
InstanceUuid	String	No	UUID of the instance Note: This field may return·null, indicating that no valid values can be obtained.
InstanceQUuid	String	No	QUuid of the instance Note: This field may return·null, indicating that no valid values can be obtained.
OsName	String	No	OS name Note: This field may return·null, indicating that no valid values can be obtained.
PartitionCount	Integer	No	Number of partitions Note: This field may return·null, indicating that no valid values can be obtained.
CPUInfo	String	No	CPU information

			Note: This field may return·null, indicating that no valid values can be obtained.
CPUSize	Integer	No	CPU size Note: This field may return·null, indicating that no valid values can be obtained.
CPULoad	String	No	CPU load Note: This field may return·null, indicating that no valid values can be obtained.
MemorySize	String	No	Memory size Note: This field may return·null, indicating that no valid values can be obtained.
MemoryLoad	String	No	Memory load Note: This field may return·null, indicating that no valid values can be obtained.
DiskSize	String	No	Disk size. Note: This field may return·null, indicating that no valid values can be obtained.
DiskLoad	String	No	Disk load Note: This field may return·null, indicating that no valid values can be obtained.
AccountCount	String	No	Number of accounts Note: This field may return·null, indicating that no valid values can be obtained.
ProcessCount	String	No	Number of processes Note: This field may return·null, indicating that no valid values can be obtained.
AppCount	String	No	Number of applications Note: This field may return·null, indicating that no valid values can be obtained.
PortCount	Integer	No	Number of listened ports. Note: This field may return·null, indicating that no valid values can be obtained.
Attack	Integer	No	Number of network attacks Note: This field may return·null, indicating that no valid values can be obtained.
Access	Integer	No	Number of network access requests

			Note: This field may return·null, indicating that no valid values can be obtained.
Intercept	Integer	No	Number of blocked attacks Note: This field may return·null, indicating that no valid values can be obtained.
InBandwidth	String	No	Inbound peak bandwidth Note: This field may return·null, indicating that no valid values can be obtained.
OutBandwidth	String	No	OutInbound peak bandwidth Note: This field may return·null, indicating that no valid values can be obtained.
InFlow	String	No	Total inbound traffic Note: This field may return·null, indicating that no valid values can be obtained.
OutFlow	String	No	Total outbound traffic Note: This field may return·null, indicating that no valid values can be obtained.
LastScanTime	String	No	Last scan time Note: This field may return·null, indicating that no valid values can be obtained.
NetWorkOut	Integer	No	Proactive malicious outgoing requests Note: This field may return·null, indicating that no valid values can be obtained.
PortRisk	Integer	No	Port risks Note: This field may return·null, indicating that no valid values can be obtained.
VulnerabilityRisk	Integer	No	Vulnerabilities Note: This field may return·null, indicating that no valid values can be obtained.
ConfigurationRisk	Integer	No	Configuraiton risks Note: This field may return·null, indicating that no valid values can be obtained.
ScanTask	Integer	No	Number of scan tasks Note: This field may return·null, indicating that no valid values can be obtained.
Tag	Array of	No	Tags

	Tag		Note: This field may return·null, indicating that no valid values can be obtained.
MemberId	String	No	Member ID Note: This field may return·null, indicating that no valid values can be obtained.
Os	String	No	Full name of the operating system Note: This field may return·null, indicating that no valid values can be obtained.
RiskExposure	Integer	No	Risk exposure Note: This field may return·null, indicating that no valid values can be obtained.
BASAgentStatus	Integer	No	BAS toolkit status. `0` : Not installed; `1` : Installed; `2` : Offline. Note: This field may return·null, indicating that no valid values can be obtained.
IsNewAsset	Integer	No	`1` : New asset; `0` : Not a new asset Note: This field may return·null, indicating that no valid values can be obtained.

ClbListenerListInfo

CLB instance and listener information

Used by actions: DescribeListenerList.

Name	Type	Description
ListenerId	String	Listener ID Note: This field may return·null, indicating that no valid values can be obtained.
ListenerName	String	The listener name. Note: This field may return·null, indicating that no valid values can be obtained.
LoadBalancerId	String	Load balancer ID Note: This field may return·null, indicating that no valid values can be obtained.
LoadBalancerName	String	CLB instance name

		Note: This field may return·null, indicating that no valid values can be obtained.
Protocol	String	Network protocol Note: This field may return·null, indicating that no valid values can be obtained.
Region	String	Region Note: This field may return·null, indicating that no valid values can be obtained.
Vip	String	CLB instance IP Note: This field may return·null, indicating that no valid values can be obtained.
VPort	Integer	Port Note: This field may return·null, indicating that no valid values can be obtained.
Zone	String	Availability zone Note: This field may return·null, indicating that no valid values can be obtained.
NumericalVpcId	Integer	VPC ID Note: This field may return·null, indicating that no valid values can be obtained.
LoadBalancerType	String	CLB instance type Note: This field may return·null, indicating that no valid values can be obtained.
Domain	String	Listener domain name Note: This field may return·null, indicating that no valid values can be obtained.
LoadBalancerDomain	String	Load balancer domain name Note: This field may return·null, indicating that no valid values can be obtained.

DBAssetVO

Details of a database asset

Used by actions: DescribeDbAssets.

Name	Type	Description
AssetId	String	Asset ID Note: This field may return·null, indicating that no valid values can be obtained.
AssetName	String	Asset name Note: This field may return·null, indicating that no valid values can be obtained.
AssetType	String	Asset type Note: This field may return·null, indicating that no valid values can be obtained.
VpcId	String	
VpcName	String	VPC tags Note: This field may return·null, indicating that no valid values can be obtained.
Region	String	Region 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.
AssetCreateTime	String	Asset creation time Note: This field may return·null, indicating that no valid values can be obtained.
LastScanTime	String	Last scan time Note: This field may return·null, indicating that no valid values can be obtained.
ConfigurationRisk	Integer	Configuration risks Note: This field may return·null, indicating that no valid values can be obtained.
Attack	Integer	Network attacks Note: This field may return·null, indicating that no valid values can be obtained.
Access	Integer	
ScanTask	Integer	Scan tasks Note: This field may return·null, indicating that no valid values can be

		obtained.
AppId	Integer	User `appid` Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User UIN Note: This field may return·null, indicating that no valid values can be obtained.
NickName	String	User name Note: This field may return·null, indicating that no valid values can be obtained.
Port	Integer	Port Note: This field may return·null, indicating that no valid values can be obtained.
Tag	Array of Tag	Tags Note: This field may return·null, indicating that no valid values can be obtained.
PrivateIp	String	Private IP Note: This field may return·null, indicating that no valid values can be obtained.
PublicIp	String	Public IP Note: This field may return·null, indicating that no valid values can be obtained.
Status	Integer	Status Note: This field may return·null, indicating that no valid values can be obtained.
IsCore	Integer	Whether it's a critical asset Note: This field may return·null, indicating that no valid values can be obtained.
IsNewAsset	Integer	Whether it's a newly-added asset. Values: `1` (Yes), `0` (No) Note: This field may return·null, indicating that no valid values can be obtained.

DataSearchBug

Vulnerability and asset information

Used by actions: DescribeSearchBugInfo.

Name	Type	Description
StateCode	String	Query status code
DataBug	Array of BugInfoDetail	Note: This field may return·null, indicating that no valid values can be obtained.
DataAsset	Array of AssetInfoDetail	None Note: This field may return·null, indicating that no valid values can be obtained.
VSSScan	Boolean	`true` : Support vulnerability scan; `false` : Do not support vulnerability scan Note: This field may return·null, indicating that no valid values can be obtained.
CWPScan	String	`0` : Do not support; `1` : Support Note: This field may return·null, indicating that no valid values can be obtained.
CFWPatch	String	`1` : Support virtual patches; `0` or null: Do not support Note: This field may return·null, indicating that no valid values can be obtained.
WafPatch	Integer	`0` : Do not support; `1` : Support Note: This field may return·null, indicating that no valid values can be obtained.
CWPFix	Integer	`0` : Do not support; `1` : Support Note: This field may return·null, indicating that no valid values can be obtained.

DbAssetInfo

Details of a database asset.

Used by actions: DescribeDbAssetInfo.

Name	Type	Description
CFWStatus	Integer	CFW status Note: This field may return·null, indicating that no valid values can be

		obtained.
AssetId	String	Asset ID Note: This field may return·null, indicating that no valid values can be obtained.
VpcName	String	VPC information Note: This field may return·null, indicating that no valid values can be obtained.
AssetType	String	Asset type Note: This field may return·null, indicating that no valid values can be obtained.
PublicIp	String	Public IP Note: This field may return·null, indicating that no valid values can be obtained.
PrivateIp	String	Private IP Note: This field may return·null, indicating that no valid values can be obtained.
Region	String	Region Note: This field may return·null, indicating that no valid values can be obtained.
VpcId	String	
AssetName	String	Asset name Note: This field may return·null, indicating that no valid values can be obtained.
CFWProtectLevel	Integer	CFW edition Note: This field may return·null, indicating that no valid values can be obtained.
Tag	Array of Tag	Tag information Note: This field may return·null, indicating that no valid values can be obtained.

DomainAssetVO

Domain assets

Used by actions: DescribeDomainAssets.

Name	Type	Description
AssetId	Array of String	Asset ID Note: This field may return·null, indicating that no valid values can be obtained.
AssetName	Array of String	Asset name Note: This field may return·null, indicating that no valid values can be obtained.
AssetType	Array of String	Asset type Note: This field may return·null, indicating that no valid values can be obtained.
Region	Array of String	Region Note: This field may return·null, indicating that no valid values can be obtained.
WAFStatus	Integer	WAF status Note: This field may return·null, indicating that no valid values can be obtained.
AssetCreateTime	String	Asset creation time Note: This field may return·null, indicating that no valid values can be obtained.
AppId	Integer	Appid Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	Account ID Note: This field may return·null, indicating that no valid values can be obtained.
NickName	String	Account name Note: This field may return·null, indicating that no valid values can be obtained.
IsCore	Integer	Whether it's a critical asset Note: This field may return·null, indicating that no valid values can be obtained.
IsCloud	Integer	Whether it's a cloud asset Note: This field may return·null, indicating that no valid values can be obtained.
Attack	Integer	Network attacks Note: This field may return·null, indicating that no valid values can be obtained.
Access	Integer	Network access Note: This field may return·null, indicating that no valid values can be obtained.
Intercept	Integer	Number of blocked attacks Note: This field may return·null, indicating that no valid values can be obtained.

InBandwidth	String	Inbound peak bandwidth Note: This field may return·null, indicating that no valid values can be obtained.
OutBandwidth	String	Outbound peak bandwidth Note: This field may return·null, indicating that no valid values can be obtained.
InFlow	String	Total inbound traffic Note: This field may return·null, indicating that no valid values can be obtained.
OutFlow	String	Total outbound traffic Note: This field may return·null, indicating that no valid values can be obtained.
LastScanTime	String	Last scan time Note: This field may return·null, indicating that no valid values can be obtained.
PortRisk	Integer	Port risks Note: This field may return·null, indicating that no valid values can be obtained.
VulnerabilityRisk	Integer	Vulnerabilities Note: This field may return·null, indicating that no valid values can be obtained.
ConfigurationRisk	Integer	Configuration risks Note: This field may return·null, indicating that no valid values can be obtained.
ScanTask	Integer	Scan tasks Note: This field may return·null, indicating that no valid values can be obtained.
SubDomain	String	Domain name Note: This field may return·null, indicating that no valid values can be obtained.
SeverIp	Array of String	Resolved IP Note: This field may return·null, indicating that no valid values can be obtained.
BotCount	Integer	Bot access requests Note: This field may return·null, indicating that no valid values can be obtained.
WeakPassword	Integer	Weak password risks Note: This field may return·null, indicating that no valid values can be obtained.
WebContentRisk	Integer	Content risks Note: This field may return·null, indicating that no valid values can be obtained.
Tag	Array of Tag	Tags Note: This field may return·null, indicating that no valid values can be obtained.
SourceType	String	The type of associated instances. Note: This field may return·null, indicating that no valid values can be obtained.

MemberId	String	Member ID Note: This field may return·null, indicating that no valid values can be obtained.
CCAttack	Integer	CC attacks Note: This field may return·null, indicating that no valid values can be obtained.
WebAttack	Integer	Web attack Note: This field may return·null, indicating that no valid values can be obtained.
ServiceRisk	Integer	Services exposed to risks Note: This field may return·null, indicating that no valid values can be obtained.
IsNewAsset	Integer	Whether it's a newly-added asset. Values: `1` (Yes), `0` (No) Note: This field may return·null, indicating that no valid values can be obtained.
VerifyDomain	String	Random third-level domain name of the asset pending ownership verification Note: This field may return·null, indicating that no valid values can be obtained.
VerifyTXTRecord	String	TXT record of the asset pending ownership verification Note: This field may return·null, indicating that no valid values can be obtained.
VerifyStatus	Integer	Ownership verification status of the asset. `0` : Pending verification; `1` : Verified; `2` : Verifying; `3` : TXT record verification failed; `4` : Human verification failed. Note: This field may return·null, indicating that no valid values can be obtained.
BotAccessCount	Integer	u200cNumber of bot attacks Note: This field may return·null, indicating that no valid values can be obtained.

Filter

Query filters

Used by actions: DescribeCVMAssets, DescribeClusterPodAssets, DescribeDbAssets, DescribeDomainAssets, DescribeListenerList, DescribePublicIpAssets, DescribeRiskCenterAssetViewCFGRiskList, DescribeRiskCenterAssetViewPortRiskList, DescribeRiskCenterAssetViewVULRiskList, DescribeRiskCenterAssetViewWeakPasswordRiskList, DescribeRiskCenterPortViewPortRiskList, DescribeRiskCenterServerRiskList, DescribeRiskCenterVULViewVULRiskList, DescribeRiskCenterWebsiteRiskList, DescribeScanReportList, DescribeScanTaskList, DescribeSubnetAssets, DescribeTaskLogList, DescribeVULRiskAdvanceCFGList, DescribeVpcAssets.

Name	Type	Required	Description
Limit	Integer	No	Max number of returned results

Offset	Integer	No	Query offset
Order	String	No	Sorting order. Values: `asc` (ascending), `desc` (descending).
By	String	No	Specify the field used for sorting
Filters	Array of WhereFilter	No	Filtered columns and content
StartTime	String	No	Start time of the query period.
EndTime	String	No	End time of the query period.

FilterDataObject

Filter condition

Used by actions: DescribeCVMAssets, DescribeClusterPodAssets, DescribeDbAssets, DescribeDomainAssets, DescribePublicIpAssets, DescribeRiskCenterAssetViewCFGRiskList, DescribeRiskCenterAssetViewPortRiskList, DescribeRiskCenterAssetViewVULRiskList, DescribeRiskCenterAssetViewWeakPasswordRiskList, DescribeRiskCenterPortViewPortRiskList, DescribeRiskCenterServerRiskList, DescribeRiskCenterVULViewVULRiskList, DescribeRiskCenterWebsiteRiskList, DescribeScanTaskList, DescribeSubnetAssets, DescribeVULRiskAdvanceCFGList, DescribeVpcAssets.

Name	Type	Description
Value	String	Filter value
Text	String	Filter name

IpAssetListVO

List of IPs

Used by actions: DescribePublicIpAssets.

Name	Type	Description
AssetId	String	Asset ID Note: This field may return·null, indicating that no valid values can be obtained.

AssetName	String	Asset name Note: This field may return·null, indicating that no valid values can be obtained.
AssetType	String	Asset type Note: This field may return·null, indicating that no valid values can be obtained.
Region	String	Region Note: This field may return·null, indicating that no valid values can be obtained.
CFWStatus	Integer	CFW status Note: This field may return·null, indicating that no valid values can be obtained.
AssetCreateTime	String	Asset creation time Note: This field may return·null, indicating that no valid values can be obtained.
PublicIp	String	Public IP Note: This field may return·null, indicating that no valid values can be obtained.
PublicIpType	Integer	Public IP type Note: This field may return·null, indicating that no valid values can be obtained.
VpcId	String	
VpcName	String	VPC name Note: This field may return·null, indicating that no valid values can be obtained.
AppId	Integer	appid Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
NickName	String	Name Note: This field may return·null, indicating that no valid values can be obtained.
IsCore	Integer	Whether it's a critical asset Note: This field may return·null, indicating that no valid values can be obtained.
IsCloud	Integer	Whether it's a cloud asset Note: This field may return·null, indicating that no valid values can be obtained.
Attack	Integer	Number of network attacks Note: This field may return·null, indicating that no valid values can be obtained.
Access	Integer	Number of network access requests Note: This field may return·null, indicating that no valid values can be obtained.
Intercept	Integer	Number of blocked attacks

		Note: This field may return·null, indicating that no valid values can be obtained.
InBandwidth	String	Inbound bandwidth Note: This field may return·null, indicating that no valid values can be obtained.
OutBandwidth	String	Outbound bandwidthtraffic peak bandwidth (bps) Note: This field may return·null, indicating that no valid values can be obtained.
InFlow	String	Inbound traffic Note: This field may return·null, indicating that no valid values can be obtained.
OutFlow	String	Outbound traffic Note: This field may return·null, indicating that no valid values can be obtained.
LastScanTime	String	Last scan time Note: This field may return·null, indicating that no valid values can be obtained.
PortRisk	Integer	Port risks Note: This field may return·null, indicating that no valid values can be obtained.
VulnerabilityRisk	Integer	Vulnerabilities Note: This field may return·null, indicating that no valid values can be obtained.
ConfigurationRisk	Integer	Configuration risks Note: This field may return·null, indicating that no valid values can be obtained.
ScanTask	Integer	Scan tasks Note: This field may return·null, indicating that no valid values can be obtained.
WeakPassword	Integer	Weak passwords Note: This field may return·null, indicating that no valid values can be obtained.
WebContentRisk	Integer	Content risks Note: This field may return·null, indicating that no valid values can be obtained.
Tag	Array of Tag	Tags Note: This field may return·null, indicating that no valid values can be obtained.
AddressId	String	EIP ID Note: This field may return·null, indicating that no valid values can be obtained.
MemberId	String	Member ID Note: This field may return·null, indicating that no valid values can be obtained.
RiskExposure	Integer	Risk exposure Note: This field may return·null, indicating that no valid values can be obtained.
IsNewAsset	Integer	Whether it's a newly-added asset. Values: `1` (Yes), `0` (No)

		Note: This field may return·null, indicating that no valid values can be obtained.
VerifyStatus	Integer	Asset ownership verification status. `0` : Pending verification; `1` : Verified; `2` : Verifying; `3` and above: Verification failed Note: This field may return·null, indicating that no valid values can be obtained.

PortViewPortRisk

Port risk details

Used by actions: DescribeRiskCenterPortViewPortRiskList.

Name	Type	Description
NoHandleCount	Integer	Affected assets
Level	String	Risk level
Protocol	String	Network protocol
Component	String	Components
Port	Integer	Port
RecentTime	String	Last detected
FirstTime	String	First detected
Suggestion	Integer	Suggested action. `0` : Keep as it is; `1` : Block access requests; `2` : Block the port
AffectAssetCount	String	Status of the risk. `0` : Not handled, `1` : Handled; `2` : Ignored
Id	String	Unique ID of the asset
From	String	Asset sub-category
Index	String	Data entry key
AppId	String	User AppId
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.

Service	String	Service

PublicIpDomainListKey

List of public IPs/domain name assets

Used by actions: DeleteDomainAndIp.

Name	Type	Required	Description
Asset	String	Yes	IP/Domain

ReportItemKey

Report item

Used by actions: DescribeTaskLogURL.

Name	Type	Required	Description
TaskLogList	Array of String	Yes	List of report IDs.

ReportTaskIdList

List of task IDs in the report

Used by actions: DescribeTaskLogURL.

Name	Type	Required	Description
TaskIdList	Array of String	Yes	List of task IDs
AppId	String	No	User AppId

RiskCenterStatusKey

Risk data

Used by actions: ModifyRiskCenterRiskStatus.

Name	Type	Required	Description
Id	String	Yes	Risk ID
AppId	String	Yes	User AppId
PublicIPDomain	String	No	Public IP/domain name
InstanceId	String	No	Instance ID.

ScanTaskInfo

Details of a scan task

Used by actions: DescribeScanReportList.

Name	Type	Description
TaskId	String	Task ID Id Note: This field may return·null, indicating that no valid values can be obtained.
TaskName	String	Task name Note: This field may return·null, indicating that no valid values can be obtained.
Status	Integer	Task status. `1` : Pending start; `2` : Scanning; `3` : Failed; `4` : Completed Note: This field may return·null, indicating that no valid values can be obtained.
Progress	Integer	Task progress Note: This field may return·null, indicating that no valid values can be obtained.
TaskTime	String	Displayed time point Note: This field may return·null, indicating that no valid values can be obtained.
ReportId	String	Report ID Note: This field may return·null, indicating that no valid values can be obtained.
ReportName	String	Report name Note: This field may return·null, indicating that no valid values can be obtained.
ScanPlan	Integer	Task type. `0` : Scheduled task, `1` : Scan immediately; `2` : Scanned at the specified time; `3` : Custom. Note: This field may return·null, indicating that no valid values can be obtained.
AssetCount	Integer	Number of associated assets Note: This field may return·null, indicating that no valid values can be obtained.

AppId	String	User AppId Note: This field may return·null, indicating that no valid values can be obtained.
UIN	String	User UIN Note: This field may return·null, indicating that no valid values can be obtained.
UserName	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.

ScanTaskInfoList

Data returned in the list of scan tasks list to display information

Used by actions: DescribeScanTaskList.

Name	Type	Description
TaskName	String	Task name Note: This field may return null, indicating that no valid values can be obtained.
StartTime	String	Start time of the task Note: This field may return null, indicating that no valid values can be obtained.
EndTime	String	Task end time Note: This field may return null, indicating that no valid values can be obtained.
ScanPlanContent	String	CRON format Note: This field may return null, indicating that no valid values can be obtained.
TaskType	Integer	Task type. `0` : Scheduled task, `1` : Scan immediately; `2` : Scanned at the specified time; `3` : Custom. Note: This field may return null, indicating that no valid values can be obtained.
InsertTime	String	Creation time Note: This field may return `null` , indicating that no valid values can be obtained.
TaskId	String	Task ID Note: This field may return null, indicating that no valid values can be obtained.

SelfDefiningAssets	Array of String	Custom list of assets to scan Note: This field may return null, indicating that no valid values can be obtained.
PredictTime	Integer	Estimated period to complete the task Note: This field may return null, indicating that no valid values can be obtained.
PredictEndTime	String	Estimated completion time of the task Note: This field may return null, indicating that no valid values can be obtained.
ReportNumber	Integer	Number of reports Note: This field may return null, indicating that no valid values can be obtained.
AssetNumber	Integer	Number of assets Note: This field may return null, indicating that no valid values can be obtained.
ScanStatus	Integer	Scanning status. `0` : (default) Not scanned; `1` : Scanning; `2` : Scan completed; `3` : Error while scanning; `4` : Scanning stopped Note: This field may return null, indicating that no valid values can be obtained.
Percent	Float	Task progress Note: This field may return null, indicating that no valid values can be obtained.
ScanItem	String	port/poc/weakpass/webcontent/configrisk Note: This field may return null, indicating that no valid values can be obtained.
ScanAssetType	Integer	Values: `0` (Scan all); `1` (Scan specific assets); `2` (Scan all expect the specified assets); `3` (Custom assets). Note: This field may return null, indicating that no valid values can be obtained.
VSSTaskId	String	VSS subtask ID Note: This field may return null, indicating that no valid values can be obtained.
CSPMTaskId	String	CSPM subtask ID Note: This field may return null, indicating that no valid values can be obtained.

CWPPOCId	String	CWPP vulnerability scan task IDHost missed scan subtask id Note: This field may return null, indicating that no valid values can be obtained.
CWPBlId	String	CWPP baseline check task ID Note: This field may return null, indicating that no valid values can be obtained.
VSSTaskProcess	Integer	VSS task progess Note: This field may return null, indicating that no valid values can be obtained.
CSPMTaskProcess	Integer	CSPM task progress Note: This field may return null, indicating that no valid values can be obtained.
CWPPOCProcess	Integer	CWPP vulnerability scan task progress Note: This field may return null, indicating that no valid values can be obtained.
CWPBlProcess	Integer	CWPP baseline check task progress Note: This field may return null, indicating that no valid values can be obtained.
ErrorCode	Integer	
ErrorInfo	String	Exception information Note: This field may return null, indicating that no valid values can be obtained.
StartDay	Integer	Day of the month to start the scheduled task Note: This field may return null, indicating that no valid values can be obtained.
Frequency	Integer	Scan frequency in days. `1` : Every day; `7` : Every seven days; `30` : Every 30 days; `0` : Scan once only Note: This field may return null, indicating that no valid values can be obtained.
CompleteNumber	Integer	Number of completed tasks Note: This field may return null, indicating that no valid values can be obtained.
CompleteAssetNumber	Integer	Number of scanned assets Note: This field may return null, indicating that no valid values can be obtained.
RiskCount	Integer	Number of risks

		Note: This field may return null, indicating that no valid values can be obtained.
Assets	Array of TaskAssetObject	Assets Note: This field may return null, indicating that no valid values can be obtained.
AppId	String	User `Appid` Note: This field may return null, indicating that no valid values can be obtained.
UIN	String	User UIN Note: This field may return null, indicating that no valid values can be obtained.
UserName	String	User name. Note: This field may return null, indicating that no valid values can be obtained.
TaskMode	Integer	Scan task mode: `0` (Standard), `1` (Quick), `2` (Advanced). Note: This field may return null, indicating that no valid values can be obtained.
ScanFrom	String	Source of scanning request Note: This field may return null, indicating that no valid values can be obtained.
IsFree	Integer	Whether it's a limited-time free health check. `0` : No; `1` : Yes Note: This field may return null, indicating that no valid values can be obtained.
IsDelete	Integer	Whether the user is authorized to delete this task. `1` :Yes; `0` : No. It's available for multi-account management. Note: This field may return null, indicating that no valid values can be obtained.
SourceType	Integer	Source of the task. `0` : Default, `1` : Assistant; `2` : Health check Note: This field may return null, indicating that no valid values can be obtained.

ServerRisk

Service risk

Used by actions: DescribeRiskCenterServerRiskList.

Name	Type	Description
ServiceTag	String	Service tag
Port	Integer	Port Note: This field may return·null, indicating that no valid values can be obtained.
AffectAsset	String	Affected assets
InstanceId	String	Instance ID
InstanceName	String	Instance name
InstanceType	String	Asset type
Level	String	Risk level
Protocol	String	Network protocol
Component	String	Components
Service	String	Service
RecentTime	String	Last detected
FirstTime	String	First detected
RiskDetails	String	Risk Details Note: This field may return·null, indicating that no valid values can be obtained.
Suggestion	String	Handling suggestion
Status	Integer	Status of the risk. `0` : Not handled, `1` : Handled; `2` : Ignored
Id	String	Unique ID of the asset
AppId	String	User `appid`
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.

Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
ServiceSnapshot	String	Service snapshot Note: This field may return·null, indicating that no valid values can be obtained.
Url	String	Service access URL. Note: This field may return·null, indicating that no valid values can be obtained.
Index	String	Data entry key Note: This field may return·null, indicating that no valid values can be obtained.
RiskList	Array of ServerRiskSuggestion	List of risks Note: This field may return·null, indicating that no valid values can be obtained.
SuggestionList	Array of ServerRiskSuggestion	List of fix suggestions Note: This field may return·null, indicating that no valid values can be obtained.
StatusCode	String	HTTP response code Note: This field may return·null, indicating that no valid values can be obtained.

ServerRiskSuggestion

Risk details

Used by actions: DescribeRiskCenterServerRiskList.

Name	Type	Description
Title	String	Risk title Note: This field may return·null, indicating that no valid values can be obtained.
Body	String	Risk details Note: This field may return·null, indicating that no valid values can be obtained.

SubnetAsset

Subnet assets

Used by actions: DescribeSubnetAssets.

Name	Type	Description
AppId	String	appid
Uin	String	UIN
AssetId	String	Asset ID
AssetName	String	Asset name
Region	String	Region
VpcId	String	VPC ID
VpcName	String	VPC name
Tag	Array of Tag	Tags Note: This field may return·null, indicating that no valid values can be obtained.
Nick	String	User name
CIDR	String	CIDR block
Zone	String	Availability zone
CVM	Integer	Number of CVMs
AvailableIp	Integer	Number of available IPs
CreateTime	String	Creation time
ConfigureRisk	Integer	Configuration risks
ScanTask	Integer	Number of tasks.
LastScanTime	String	Last scan time
IsCore	Integer	Whether it's a critical asset Note: This field may return·null, indicating that no valid values can be obtained.
IsNewAsset	Integer	Whether it's a newly-added asset. Values: `1` (Yes), `0` (No) Note: This field may return·null, indicating that no valid values can be obtained.

Tag

Tags

Used by actions: DescribeCVMAssetInfo, DescribeCVMAssets, DescribeDbAssetInfo, DescribeDbAssets, DescribeDomainAssets, DescribePublicIpAssets, DescribeSubnetAssets, DescribeVpcAssets.

Name	Type	Required	Description
Name	String	Yes	Tag name.
Value	String	Yes	Tag value

Tags

Server tag information

Used by actions: DescribeScanTaskList.

Name	Type	Required	Description
TagKey	String	No	None Note: This field may return·null, indicating that no valid values can be obtained.
TagValue	String	No	None Note: This field may return·null, indicating that no valid values can be obtained.

TaskAdvanceCFG

Advanced task configuration

Used by actions: CreateRiskCenterScanTask.

Name	Type	Required	Description
VulRisk	Array of TaskCenterVulRiskInputParam	No	Advanced vulnerability scan configuration
WeakPwdRisk	Array of TaskCenterWeakPwdRiskInputParam	No	Advanced weak password check configuration

CFGRisk	Array of TaskCenterCFGRiskInputParam	No	Advanced configuration risk scan configuration

TaskAssetObject

Task asset information

Used by actions: CreateRiskCenterScanTask, DescribeScanTaskList.

Name	Type	Required	Description
AssetName	String	No	Asset name Note: This field may return·null, indicating that no valid values can be obtained.
InstanceType	String	No	Asset category Note: This field may return·null, indicating that no valid values can be obtained.
AssetType	String	No	Asset sub-category Note: This field may return·null, indicating that no valid values can be obtained.
Asset	String	No	IP, domain name, asset ID, database ID, and more
Region	String	No	Region Note: This field may return·null, indicating that no valid values can be obtained.
Arn	String	No	The ID specific for an asset synched from another cloud platform Note: This field may return·null, indicating that no valid values can be obtained.

TaskCenterCFGRiskInputParam

Advanced configuration risk scan configuration

Used by actions: CreateRiskCenterScanTask.

Name	Type	Required	Description
ItemId	String	Yes	Check item ID

Enable	Integer	Yes	Whether to enable. `0` : no, `1` : yes.
ResourceType	String	Yes	Resource type

TaskCenterVulRiskInputParam

Advanced vulnerability scan configuration

Used by actions: CreateRiskCenterScanTask.

Name	Type	Required	Description
RiskId	String	Yes	Risk ID
Enable	Integer	Yes	Whether to enable. `0` : no, `1` : yes.

TaskCenterWeakPwdRiskInputParam

Advanced weak password check configuration

Used by actions: CreateRiskCenterScanTask.

Name	Type	Required	Description
CheckItemId	Integer	Yes	Check item ID
Enable	Integer	Yes	Whether to enable. `0` : no, `1` : yes.

TaskIdListKey

List of task IDs

Used by actions: DeleteRiskScanTask, StopRiskCenterTask.

Name	Type	Required	Description
TaskId	String	Yes	Task ID

TaskLogInfo

Task report information

Used by actions: DescribeTaskLogList.

Name	Type	Description
TaskLogName	String	Report name Note: This field may return·null, indicating that no valid values can be obtained.
TaskLogId	String	Report ID.
AssetsNumber	Integer	Number of associated assets Note: This field may return·null, indicating that no valid values can be obtained.
RiskNumber	Integer	Number of risks Note: This field may return·null, indicating that no valid values can be obtained.
Time	String	Report generation time Note: This field may return·null, indicating that no valid values can be obtained.
Status	Integer	Task status. `0` : Initial value; `1` : Scanning; `2` : Completed; `3` : Failed; `4` : Stopped; `5` : Paused; `6` : Retried Note: This field may return·null, indicating that no valid values can be obtained.
TaskName	String	Name of the associated task Note: This field may return·null, indicating that no valid values can be obtained.
StartTime	String	Scan start time Note: This field may return·null, indicating that no valid values can be obtained.
TaskCenterTaskId	String	Scan task ID Note: This field may return·null, indicating that no valid values can be obtained.
AppId	String	User AppId Note: This field may return·null, indicating that no valid values can be obtained.
UIN	String	User UIN Note: This field may return·null, indicating that no valid values can be obtained.
UserName	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
ReportType	Integer	Report type: `1` : Health check report; `2` : Daily report; `3` : Weekly report; `4` : Monthly report Note: This field may return·null, indicating that no valid values can be obtained.
TemplateId	Integer	Report template ID Note: This field may return·null, indicating that no valid values can be obtained.

TaskLogURL

Temp download URL for the report PDF

Used by actions: DescribeTaskLogURL.

Name	Type	Description
URL	String	Temp download URL for the report Note: This field may return·null, indicating that no valid values can be obtained.
LogId	String	Task report ID Note: This field may return·null, indicating that no valid values can be obtained.
TaskLogName	String	Task report name Note: This field may return·null, indicating that no valid values can be obtained.
AppId	String	APP ID Note: This field may return·null, indicating that no valid values can be obtained.

VULRiskAdvanceCFGList

List of advanced vulnerability scan configurations

Used by actions: DescribeVULRiskAdvanceCFGList.

Name	Type	Description
RiskId	String	Risk ID
VULName	String	Vulnerability name
RiskLevel	String	Risk level
CheckFrom	String	Source of the check task
Enable	Integer	Whether it's enabled. `1` : Enable; `0` : Disabled Note: This field may return·null, indicating that no valid values can be obtained.
VULType	String	Risk type.
ImpactVersion	String	Affected versions
CVE	String	CVE number

		Note: This field may return·null, indicating that no valid values can be obtained.
VULTag	Array of String	Vulnerability tag
FixMethod	Array of String	Fix solution Note: This field may return·null, indicating that no valid values can be obtained.
ReleaseTime	String	Disclosure time Note: This field may return·null, indicating that no valid values can be obtained.
EMGCVulType	Integer	Whether it's an emergency vulnerability. Values: `1` (emergency vulnerability); `0` (non-emergency vulnerability Note: This field may return·null, indicating that no valid values can be obtained.
VULDescribe	String	Vulnerability description Note: This field may return·null, indicating that no valid values can be obtained.
ImpactComponent	String	Affected components Note: This field may return·null, indicating that no valid values can be obtained.

VULViewVULRisk

Details of a vulnerability

Used by actions: DescribeRiskCenterVULViewVULRiskList.

Name	Type	Description
Port	String	Port
NoHandleCount	Integer	Affected assets
Level	String	Risk level
Component	String	Components
RecentTime	String	Last detected
FirstTime	String	First detected

AffectAssetCount	Integer	Status of the risk. `0` : Not handled, `1` : Handled; `2` : Ignored
Id	String	Unique ID of the asset
From	String	Asset sub-category
Index	String	Frontend index
VULType	String	Vulnerability type
VULName	String	Vulnerability name
CVE	String	CVE number
Describe	String	Description
Payload	String	Pay load
AppName	String	Affected components
References	String	Reference information of the vulnerability
AppVersion	String	Affected version
VULURL	String	Vulnerability URL
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
AppId	String	User `appid`
Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
Fix	String	Fix suggestion Note: This field may return·null, indicating that no valid values can be obtained.
EMGCVulType	Integer	Whether it's an emergency vulnerability. Values: `1` (emergency vulnerability); `0` (non-emergency vulnerability Note: This field may return·null, indicating that no valid values can be obtained.

Vpc

List of VPCs

Used by actions: DescribeVpcAssets.

Name	Type	Description
Subnet	Integer	Subnet (32-bit mask)
ConnectedVpc	Integer	Connected VPC (32-bit mask)
AssetId	String	Asset ID
Region	String	Region
CVM	Integer	CVM (only 32-bit)
Tag	Array of Tag	Tags Note: This field may return·null, indicating that no valid values can be obtained.
DNS	Array of String	DNS domain Note: This field may return·null, indicating that no valid values can be obtained.
AssetName	String	Asset name
CIDR	String	CIDR block
CreateTime	String	Asset creation time
AppId	String	appid
Uin	String	UIN
Nick	String	User name
IsNewAsset	Integer	Whether it's a newly-added asset. Values: `1` (Yes), `0` (No) Note: This field may return·null, indicating that no valid values can be obtained.
IsCore	Integer	Whether it's a critical asset. `1` : Yes; `2` : No Note: This field may return·null, indicating that no valid values can be obtained.

WebsiteRisk

Details of a content risk

Used by actions: DescribeRiskCenterWebsiteRiskList.

Name	Type	Description
AffectAsset	String	Affected assets
Level	String	Risk level
RecentTime	String	Last detected
FirstTime	String	First detected
Status	Integer	Status of the risk. `0` : Not handled, `1` : Handled; `2` : Ignored
Id	String	Unique ID of the asset
Index	String	Frontend index
InstanceId	String	Instance ID
InstanceName	String	Instance name
AppId	String	User `appid`
Nick	String	User name. Note: This field may return·null, indicating that no valid values can be obtained.
Uin	String	User `uin` Note: This field may return·null, indicating that no valid values can be obtained.
URL	String	URL of the risk
URLPath	String	URL of the risk file
InstanceType	String	Instance type
DetectEngine	String	Check type.
ResultDescribe	String	Result description.
SourceURL	String	Source URL
SourceURLPath	String	Source file URL

WhereFilter

Filter conditions.

Used by actions: DescribeCVMAssets, DescribeClusterPodAssets, DescribeDbAssets, DescribeDomainAssets, DescribeListenerList, DescribePublicIpAssets, DescribeRiskCenterAssetViewCFGRiskList, DescribeRiskCenterAssetViewPortRiskList, DescribeRiskCenterAssetViewVULRiskList, DescribeRiskCenterAssetViewWeakPasswordRiskList, DescribeRiskCenterPortViewPortRiskList, DescribeRiskCenterServerRiskList, DescribeRiskCenterVULViewVULRiskList, DescribeRiskCenterWebsiteRiskList, DescribeScanReportList, DescribeScanTaskList, DescribeSubnetAssets, DescribeTaskLogList, DescribeVULRiskAdvanceCFGList, DescribeVpcAssets.

Name	Type	Required	Description
Name	String	Yes	Filter item
Values	Array of String	Yes	Filter value
OperatorType	Integer	No	`1` : =; `2` : >; `3` : <; `4` : ≥; `5` : ≤; `6` : ≠; `7` : Exact match; `9` : Fuzzy match; `13` : Non-fuzzy match; `14` : AND

Error Codes

Last updated：2024-07-22 10:39:14

Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

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

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	`Authorization` in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

	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.
InvalidFilter	
InvalidParameter.DecryptError	Decrypt error
OperationDenied	Operation denied.
RegionError	
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation.CloudAudit	
UnauthorizedOperation.Cos	