

主机安全

API 文档

产品文档



腾讯云

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API 文档

History

最近更新时间：2020-09-11 10:41:06

Release 2

Release time: 2020-09-10 17:13:20

Release updates:

Improvement to existing documentation.

Modified APIs:

- [ExportNonlocalLoginPlaces](#)
 - New output parameters:TaskId

New data structures:

- [RegionInfo](#)

Modified data structures:

- [Machine](#)
 - New members:RegionInfo

Existing Release

Release time: 2020-07-30 20:36:56

Existing APIs/data structures are as follows:

Improvement to existing documentation.

Existing APIs:

- [AddLoginWhiteList](#)
- [AddMachineTag](#)
- [CloseProVersion](#)
- [CreateOpenPortTask](#)
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- [CreateUsualLoginPlaces](#)
- [DeleteBruteAttacks](#)
- [DeleteLoginWhiteList](#)
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- [DescribeAccountStatistics](#)
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- [DescribeBruteAttacks](#)
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 - [WeeklyReportMalware](#)
 - [WeeklyReportNonlocalLoginPlace](#)
 - [WeeklyReportVul](#)

Introduction

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Based on Tencent Security's massive threat data, and by leveraging machine learning, Host Security (HS) offers you a variety of security services such as hacker intrusion detection and vulnerability risk alert, allowing brute force attack blocking, suspicious login alert, Trojan detection and removal, high-risk vulnerability detection and other security features. It can help your company deal with the major network security risks associated with servers and build a server security protection system to prevent data leakage.

API Category

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Vulnerability Management APIs

API Name	Feature
DescribeAgentVuls	Gets the list of vulnerabilities on a single server
DescribeImpactedHosts	Gets the list of servers affected by the vulnerability
DescribeVulInfo	Gets vulnerability details
DescribeVulScanResult	Gets vulnerability detection result
DescribeVuls	Gets vulnerability list
IgnoreImpactedHosts	Ignores vulnerability
RescanImpactedHost	Rescans for vulnerabilities

Other APIs

API Name	Feature
CloseProVersion	Deactivates CWP Pro
CreateUsualLoginPlaces	Adds usual login locations
DeleteBruteAttacks	Deletes brute force attack records
DeleteMachine	Uninstalls CWP agent
DeleteNonlocalLoginPlaces	Deletes unusual login location records
DeleteUsualLoginPlaces	Deletes usual login locations
DescribeOpenPortStatistics	Gets port statistics
DescribeOpenPorts	Gets port list
DescribeUsualLoginPlaces	Queries usual login locations

DescribeWeeklyReportBruteAttacks	Gets brute force attack data in weekly CWP Pro report
DescribeWeeklyReportInfo	Gets details in weekly CWP Pro report
DescribeWeeklyReportMalwares	Gets trojan data in weekly CWP Pro report
DescribeWeeklyReportNonlocalLoginPlaces	Gets unusual login location data in weekly CWP Pro report
DescribeWeeklyReportVuls	Gets vulnerability data in weekly CWP Pro report
DescribeWeeklyReports	Gets weekly report list
ModifyProVersionRenewFlag	Modifies the renewal flag of CWP Pro
OpenProVersion	Activates CWP Pro

Intrusion Detection APIs

API Name	Feature
AddLoginWhiteList	Adds allowlist rule
DeleteLoginWhiteList	Deletes allowlist rule
DeleteMaliciousRequests	Deletes malicious request records
DeleteMalwares	Deletes trojan records
DescribeBruteAttacks	Gets brute force attack event list
DescribeLoginWhiteList	Gets the list of login allowlist entries
DescribeMaliciousRequests	Gets malicious request data
DescribeMalwares	Gets trojan information
DescribeNonlocalLoginPlaces	Gets unusual login events
ExportBruteAttacks	Exports brute force attack records
ExportMaliciousRequests	Exports the malicious request file into a CSV file for download
ExportMalwares	Exports trojan records
ExportNonlocalLoginPlaces	Exports unusual login location records
MisAlarmNonlocalLoginPlaces	Sets usual login location

ModifyLoginWhiteList	Edits allowlist rule
RecoverMalwares	Recovers trojan files
SeparateMalwares	Isolates trojans
TrustMaliciousRequest	Trusts malicious request
TrustMalwares	Trusts trojan file
UntrustMaliciousRequest	Untrusts malicious request
UntrustMalwares	Untrusts trojan file

Overview Statistics APIs

API Name	Feature
DescribeMachineInfo	Gets server details
DescribeMachines	Gets the list of servers in region
DescribeOverviewStatistics	Gets overview statistics of the current account
DescribeSecurityDynamics	Gets security event message
DescribeSecurityTrends	Gets security event statistics

Asset Management APIs

API Name	Feature
AddMachineTag	Adds tag to server.
CreateOpenPortTask	Creates real-time port acquisition task
CreateProcessTask	Creates real-time process pulling task
DeleteMachineTag	Removes tag from server.
DescribeAccountStatistics	Gets account statistics list
DescribeAccounts	Gets account list

DescribeComponentInfo	Gets component information
DescribeComponentStatistics	Gets component statistics list
DescribeComponents	Gets component list
DescribeHistoryAccounts	Gets account change history list
DescribeOpenPortTaskStatus	Gets the status of real-time port pulling task
DescribeProcessStatistics	Gets process statistics list
DescribeProcessTaskStatus	Gets the status of real-time process pulling task
DescribeProcesses	Gets process list
DescribeTagMachines	Gets the information of servers associated with specified tag
DescribeTags	Gets all server tags
EditTags	Adds or edits tags.

Settings Center APIs

API Name	Feature
DescribeAlarmAttribute	Gets alarm settings
DescribeProVersionInfo	Gets CWP Pro information
ModifyAlarmAttribute	Modifies alarm settings
ModifyAutoOpenProVersionConfig	Sets whether to automatically activate CWP Pro for newly added servers

Making API Requests

Request Structure

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1. Service Address

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

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

Tencent Cloud currently supports the following regions:

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

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

2. Communications Protocol

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

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

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

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

4. Character Encoding

Only UTF-8 encoding is used.

Common Params

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

Signature Algorithm v3

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

Parameter Name	Type	Required	Description
X-TC-Action	String	Yes	The name of the API for the desired operation. For the specific value, see description of common parameter <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
X-TC-Region	String	Yes	Region parameter, which is used to identify the region to which the data you work with belongs. For values supported for an API, see the description of common parameter <code>Region</code> in the input parameters in related API documentation. This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even it is passed.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request is sent. For example, 1529223702. Note: If the difference between the UNIX time server time is greater than 5 minutes, a signature expiration error may occur.
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the common parameter <code>Version</code> in the API documentation. For example, the version is 2017-03-12.

Parameter Name	Type	Required	Description
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKIDEXAMPLE is the SecretId; Date is 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.tencentcloud.com refers to the CVM product and the value would be cvm; - SignedHeaders: The headers that contains the authentication information type and host are the required headers; - Signature: Signature digest.
X-TC-Token	String	No	The token used for a temporary certificate. It must be used with a temporary key to obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

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

Example of an HTTP GET request structure:

```

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

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

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

```

https://cvm.tencentcloudapi.com/

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

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
----------------	------	----------	-------------

Parameter Name	Type	Required	Description
Action	String	Yes	The name of the API for the desired operation. For the specific value, see the description of common parameter <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
Region	String	Yes	Region parameter, which is used to identify the region to which the data you want to work with belongs. For values supported for an API, see the description of common parameter <code>Region</code> in the input parameters in related API documentation. Note: This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even if it is passed.
Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request was initiated, for example, 1529223702. If the difference between the value and the current system time is too large, a signature expiration error may occur.
Nonce	Integer	Yes	A random positive integer used along with <code>Timestamp</code> to prevent replay attacks.
SecretId	String	Yes	The identifying SecretId obtained on the Cloud API Key page. A SecretId corresponds to a unique SecretKey which is used to generate the request signature (Signature).
Signature	String	Yes	Request signature used to verify the validity of this request. This is calculated based on the actual input parameters. For more information about how this is calculated, see the API authentication documentation.
Version	String	Yes	API version of the action. For the valid values, see the description of the common input parameter <code>Version</code> in the API documentation. For example, the version of CVM is 2017-03-12.
SignatureMethod	String	No	Signature method. Currently, only HmacSHA256 and HmacSHA1 are supported. The HmacSHA256 algorithm is used to verify the signature only when this parameter is specified as HmacSHA256. In other cases, the signature is verified with HmacSHA1.
Token	String	No	The token used for a temporary certificate. It must be used with a temporary key. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

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

Example of an HTTP GET request structure:

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

Signature v3

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

Applying for Security Credentials

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

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

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

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

Using the Resources for Developers

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

TC3-HMAC-SHA256 Signature Algorithm

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

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

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

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

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

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

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

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

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

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

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



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

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

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

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

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

POST

/

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

host:cvm.tencentcloudapi.com

content-type;host

`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

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

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

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

Note:

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

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

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

3. Calculating the Signature

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

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

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

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

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

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff
Content-Type: application/json; charset=utf-8
Host: cvm.tencentcloudapi.com
```

```
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1551113065
X-TC-Region: ap-guangzhou

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

5. Signature Demo

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

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

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

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

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

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

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

Java

```

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

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

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

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

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

        // ***** Step 1: Concatenate the CanonicalRequest string *****
        String httpRequestMethod = "POST";
    }
}

```

```

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

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

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

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

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

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

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

```

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

```

Python

```

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

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

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

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

```



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

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

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

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

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

Golang

```

package main

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

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

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

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

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

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

PHP

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

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

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

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

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

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

Ruby

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

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

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

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

```

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

puts canonical_request

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

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

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

puts 'curl -X POST ' + endpoint \

```

```

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

DotNet

```

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

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

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

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

```

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

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

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

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



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

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

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

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

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

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

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

NodeJS

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

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

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

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

function main(){

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

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

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

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

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

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

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

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

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

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

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

C++

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

using namespace std;

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

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

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

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

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

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

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

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

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

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

```
return output;
}

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

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

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

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

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

```

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

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

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

Signature Failure

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

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

Signature

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

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

1. Applying for Security Credentials

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

Security credentials consist of SecretId and SecretKey:

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

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

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

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

2. Generating a Signature

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

Assume that the SecretId and SecretKey are:

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

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

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*****';

```

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

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

3. Encoding a Signature String

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

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

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

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

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

4. Signature Failure

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

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

5. Signature Demo

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

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

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

The final output URL might be:

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

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

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

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

Java

```
import java.io.UnsupportedEncodingException;
import java.net.URLEncoder;
import java.util.Random;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;
public class TencentCloudAPIDemo {
    private final static String CHARSET = "UTF-8";
    public static String sign(String s, String key, String method) throws Exception {
        Mac mac = Mac.getInstance(method);
        SecretKeySpec secretKeySpec = new SecretKeySpec(key.getBytes(CHARSET), mac.getAlgorithm());
        mac.init(secretKeySpec);
        byte[] hash = mac.doFinal(s.getBytes(CHARSET));
        return DatatypeConverter.printBase64Binary(hash);
    }
    public static String getStringToSign(TreeMap<String, Object> params) {
        StringBuilder s2s = new StringBuilder("GETcvm.tencentcloudapi.com/?");
        // When signing, the parameters need to be sorted in lexicographical order. TreeMap
        // is used here to guarantee the correct order.
        for (String k : params.keySet()) {
            s2s.append(k).append("=").append(params.get(k).toString()).append("&");
        }
        return s2s.toString().substring(0, s2s.length() - 1);
    }
    public static String getUrl(TreeMap<String, Object> params) throws UnsupportedEncodingException {
        StringBuilder url = new StringBuilder("https://cvm.tencentcloudapi.com/?");
        // There is no requirement for the order of the parameters in the actual request
        // URL.
        for (String k : params.keySet()) {
            // The request string needs to be URL encoded. As the Key is all in English letters,
            // only the value is URL encoded here.
            url.append(k).append("=").append(URLEncoder.encode(params.get(k).toString(), CHARSET)).append("&");
        }
    }
}
```

```

}
return url.toString().substring(0, url.length() - 1);
}
public static void main(String[] args) throws Exception {
    TreeMap<String, Object> params = new TreeMap<String, Object>(); // TreeMap 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*****";
$params["Nonce"] = 11886;//rand();
$params["Timestamp"] = 1465185768;//time();
$params["Region"] = "ap-guangzhou";
$params["SecretId"] = $secretId;
$params["Version"] = "2017-03-12";
$params["Action"] = "DescribeInstances";
$params["InstanceIds.0"] = "ins-09dx96dg";
$params["Limit"] = 20;
$params["Offset"] = 0;
ksort($params);
$signStr = "GETcvm.tencentcloudapi.com/?";
foreach ( $params as $key => $value ) {
    $signStr = $signStr . $key . "=" . $value . "&";
}
$signStr = substr($signStr, 0, -1);
$signature = base64_encode(hash_hmac("sha1", $signStr, $secretKey, true));
echo $signature.PHP_EOL;
// need to install and enable curl extension in php.ini
```



```
// $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, sign))
puts data['Signature']
# require 'net/http'
# uri = URI('https://' + endpoint)
# uri.query = URI.encode_www_form(data)
# p uri
```

```
# res = Net::HTTP.get_response(uri)
# puts res.body
```

DotNet

```
using System;
using System.Collections.Generic;
using System.Net;
using System.Security.Cryptography;
using System.Text;
public class Application {
public static string Sign(string signKey, string secret)
{
string signRet = string.Empty;
using (HMACSHA1 mac = new HMACSHA1(Encoding.UTF8.GetBytes(signKey)))
{
byte[] hash = mac.ComputeHash(Encoding.UTF8.GetBytes(secret));
signRet = Convert.ToBase64String(hash);
}
return signRet;
}
public static string MakeSignPlainText(SortedDictionary<string, string> requestParams, string requestMethod, string requestHost, string requestPath)
{
string retStr = "";
retStr += requestMethod;
retStr += requestHost;
retStr += requestPath;
retStr += "?";
string v = "";
foreach (string key in requestParams.Keys)
{
v += string.Format("{0}={1}&", key, requestParams[key]);
}
retStr += v.TrimEnd('&');
return retStr;
}
public static void Main(string[] args)
{
string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";
string endpoint = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";
double RequestTimestamp = 1465185768;
```

```

// long timestamp = ToTimestamp() / 1000;
// string requestTimestamp = timestamp.ToString();
Dictionary<string, string> param = new Dictionary<string, string>();
param.Add("Limit", "20");
param.Add("Offset", "0");
param.Add("InstanceIds.0", "ins-09dx96dg");
param.Add("Action", action);
param.Add("Nonce", "11886");
// param.Add("Nonce", Math.Abs(new Random().Next()).ToString());
param.Add("Timestamp", RequestTimestamp.ToString());
param.Add("Version", version);
param.Add("SecretId", SECRET_ID);
param.Add("Region", region);
SortedDictionary<string, string> headers = new SortedDictionary<string, string>(p
aram, StringComparer.Ordinal);
string sigInParam = MakeSignPlainText(headers, "GET", endpoint, "/");
Console.WriteLine(sigInParam);
string sigOutParam = Sign(SECRET_KEY, sigInParam);
Console.WriteLine("GET https://cvm.tencentcloudapi.com");
foreach (KeyValuePair<string, string> kv in headers)
{
    Console.WriteLine(kv.Key + ": " + kv.Value);
}
Console.WriteLine("Signature" + ": " + WebUtility.UrlEncode(sigOutParam));
Console.WriteLine();
string result = "https://cvm.tencentcloudapi.com/?";
foreach (KeyValuePair<string, string> kv in headers)
{
    result += WebUtility.UrlEncode(kv.Key) + "=" + WebUtility.UrlEncode(kv.Value) +
"&";
}
result += WebUtility.UrlEncode("Signature") + "=" + WebUtility.UrlEncode(sigOutPa
ram);
Console.WriteLine("GET " + result);
}
}
    
```

NodeJS

```

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

```

let strSign = reqMethod + endpoint + path + "?" + strParam.slice(1);
return strSign;
}
function sha1(secretKey, strsign){
let signMethodMap = {'HmacSHA1': "sha1"};
let hmac = crypto.createHmac(signMethodMap['HmacSHA1'], secretKey || "");
return hmac.update(Buffer.from(strsign, 'utf8')).digest('base64')
}
function sort_params(params){
let strParam = "";
let keys = Object.keys(params);
keys.sort();
for (let k in keys) {
//k = k.replace(/_/g, '.');
strParam += ("&" + keys[k] + "=" + params[keys[k]]);
}
return strParam
}
function main(){
const SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
const SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****"
const endpoint = "cvm.tencentcloudapi.com"
const Region = "ap-guangzhou"
const Version = "2017-03-12"
const Action = "DescribeInstances"
const Timestamp = 1465185768
// const Timestamp = Math.round(Date.now() / 1000)
const Nonce = 11886
//const nonce = Math.round(Math.random() * 65535)
let params = {};
params['Action'] = Action;
params['InstanceIds.0'] = 'ins-09dx96dg';
params['Limit'] = 20;
params['Offset'] = 0;
params['Nonce'] = Nonce;
params['Region'] = Region;
params['SecretId'] = SECRET_ID;
params['Timestamp'] = Timestamp;
params['Version'] = Version;
strParam = sort_params(params)
const reqMethod = "GET";
const path = "/";
strSign = formatSignString(reqMethod, endpoint, path, strParam)
console.log(strSign)
console.log("-----")
params['Signature'] = sha1(SECRET_KEY, strSign)
console.log(params['Signature'])
    
```

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

Responses

最近更新时间：2020-04-10 10:54:39

Response for Successful Requests

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

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

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

Response for Failed Requests

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

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

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

Common Error Codes

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

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

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

Intrusion Detection APIs

TrustMalwares

最近更新时间：2020-07-31 11:18:50

1. API Description

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

This API is used to trust an identified trojan file.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: TrustMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Trojan ID array.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Trusting trojan file

This example shows you how to trust an identified trojan file.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=TrustMalwares
&Ids.0=123
&Ids.1=456
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- [API 3.0 Explorer](#)

SDK

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

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
LimitExceeded.AreaQuota	The maximum number of entries to be added in batches is exceeded.
MissingParameter	Missing parameter.

RecoverMalwares

最近更新时间：2020-07-31 11:18:51

1. API Description

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

This API is used to recover isolated trojan files in a batch.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: RecoverMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Trojan ID array. Up to 200 IDs can be deleted at a time

3. Output Parameters

Parameter Name	Type	Description
SuccessIds	Array of Integer	Array of IDs of successfully recovered trojans.
FailedIds	Array of Integer	Array of IDs of trojans failed to be recovered.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Recovering trojan files

This example shows you how to recover isolated trojan files in batches.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=RecoverMalwares
&Ids.0=123
&Ids.1=456
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "FailedIds": [],
    "RequestId": "4985eb7f-62d6-4da8-898f-d92a08660a38",
    "SuccessIds": [
      123,
      456
    ]
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.Recover	Failed to recover the trojan.
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

MisAlarmNonlocalLoginPlaces

最近更新时间：2020-07-31 11:18:52

1. API Description

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

This API is used to set the current location as the usual login location.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: MisAlarmNonlocalLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Unusual login location event ID array.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Setting usual login location

This example shows you how to set the current location as the usual login location.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=MisAlarmNonlocalLoginPlaces
&Ids.0=1
&Ids.1=2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

DescribeNonlocalLoginPlaces

最近更新时间：2020-07-31 11:18:53

1. API Description

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

This API is used to get unusual login events.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeNonlocalLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	Agent <code>Uuid</code> .
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Keywords - String - Required: No - Query keywords Status - String - Required: No - Login status (NON_LOCAL_LOGIN: unusual login location, NORMAL_LOGIN: intended login)

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records.
NonLocalLoginPlaces	Array of NonLocalLoginPlace	Unusual login location information array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting unusual login location events

This example shows you how to get unusual login location events.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeNonlocalLoginPlaces
&Uuid=354f4ac3-8546-4516-8c8a-69e3ab73aa8a
&Filters.0.Name=Keyword
&Filters.0.Values.0=Centos
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "NonLocalLoginPlaces": [
      {
        "Id": 123,
        "Uuid": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
        "MachineIp": "127.0.0.1",
        "MachineName": "machine-name",
        "Status": "NON_LOCAL_LOGIN",
        "Username": "root",
```

```
"City": 1,  
"Country": 1,  
"Province": 1,  
"SrcIp": "127.0.0.1",  
"LoginTime": "2018-07-18 12:16:09"  
}  
],  
"TotalCount": 100  
}  
}
```

5. Developer Resources

API Explorer

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SDK

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- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

DescribeMalwares

最近更新时间：2020-07-31 11:18:54

1. API Description

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

This API is used to get the list of trojan events.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	Agent <code>Uuid</code> .
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

Parameter Name	Required	Type	Description
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Keywords - String - Required: No - Query keywords Status - String - Required: No - Trojan status (UN_OPERATED: not processed, SEGREGATED: isolated, TRUSTED: trusted) Each filter supports only one value. Query with multiple values in "OR" relationship is not supported for the time being.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of trojans.
Malwares	Array of Malware	Malware array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting trojan information

This example shows you how to get the list of trojan events.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeMalwares
&Uuid=UUID
&Filters.0.Name=Keyword
&Filters.0.Values.0=Centos
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Malwares": [
      {
        "Uuid": "UUID",
        "Id": 123,
        "Status": "TRUSTED",
        "FilePath": "/temp/a.txt",
        "Description": "webshell",
        "MachineName": "gd_1",
        "MachineIp": "127.0.0.1",
        "FileCreateTime": "2018/07/16 16:20",
        "ModifyTime": "2018/07/16 16:20"
      }
    ],
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "TotalCount": 100
  }
}
```

5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

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SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

DescribeBruteAttacks

最近更新时间：2020-07-31 11:18:55

1. API Description

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

This API is used to get the brute force attack event list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeBruteAttacks.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	Agent <code>Uuid</code> .
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Keywords - String - Required: No - Query keywords Status - String - Required: No - Query status (FAILED: brute force attack failed, SUCCESS: brute force attack succeeded)
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of events
BruteAttacks	Array of BruteAttack	Brute force attack event list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting brute force attack event list

This example shows you how to get the brute force attack event list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeBruteAttacks
&Filters.0.Name=Keywords
&Filters.0.Values.0=Centos
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "BruteAttacks": [
      {
        "Id": "123",
        "Uuid": "6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1",
        "MachineIp": "127.0.0.1",
        "MachineName": "Test server",
        "Status": " BRUTEATTACK_SUCCESS",
        "Username": "root",
        "City": 1,
        "Country": 1,

```

```
"Province": 1,
"SrcIp": "127.0.0.1",
"Count": 10,
"CreateTime": "2018-01-01 12 :16:09"
}
],
"TotalCount": 100
}
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
------------	-------------

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

DeleteMalwares

最近更新时间：2020-07-31 11:18:55

1. API Description

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

This API is used to delete trojan records.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Trojan record ID array

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting trojan records

This example shows you how to delete trojan records.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteMalwares
&Ids.0=1
&Ids.1=2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

UntrustMalwares

最近更新时间：2020-07-31 11:18:49

1. API Description

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

This API is used to untrust a trojan file.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: UntrustMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Trojan event ID array. Up to 200 IDs can be processed at a time.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Untrusting trojan file

This example shows you how to untrust a trojan file.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=UntrustMalwares
&Ids.0=123
&Ids.1=456
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

SeparateMalwares

最近更新时间：2020-07-31 11:18:50

1. API Description

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

This API is used to isolate trojans.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: SeparateMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Trojan event ID array.

3. Output Parameters

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

Parameter Name	Type	Description
SuccessIds	Array of Integer	Array of IDs of successfully isolated trojans.
FailedIds	Array of Integer	Array of IDs of trojans failed to be isolated.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Isolating trojans

This example shows you how to isolate trojans.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=SeparateMalwares
&Ids.0=123
&Ids.1=456
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "SuccessIds": [
      123,
      456
    ],
    "FailedIds": [],
    "RequestId": "4985eb7f-62d6-4da8-898f-d92a08660a38"
  }
}
```

5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- [API 3.0 Explorer](#)

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.PartSeparate	Failed to isolate all or part of servers.
FailedOperation.SingleSeparate	Failed to isolate a single server.
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

UntrustMaliciousRequest

最近更新时间：2020-07-31 11:18:49

1. API Description

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

This API is used to untrust a malicious request.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: UntrustMaliciousRequest.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Id	Yes	Integer	Trusted record ID.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Untrusting malicious request

This example shows you how to untrust a malicious request.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=UntrustMaliciousRequest
&Id=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.ParsingError	Parameter parsing error.
ResourceNotFound	The resource does not exist.

TrustMaliciousRequest

最近更新时间：2020-07-31 11:18:50

1. API Description

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

This API is used to trust a malicious request.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: TrustMaliciousRequest.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Id	Yes	Integer	Malicious request record ID.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Trusting malicious request

This example shows you how to trusts a malicious request.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=TrustMaliciousRequest
&Id=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.ParsingError	Parameter parsing error.

ExportMaliciousRequests

最近更新时间：2020-07-31 11:18:53

1. API Description

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

This API is used to export the malicious request file into a CSV file for download.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ExportMaliciousRequests.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
DownloadUrl	String	Download address for exported file.

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Exports the malicious request file into a CSV file for download

Exports the malicious request file into a CSV file for download

Input Example

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

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "DownloadUrl": "http://download.url/xxx.csv"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.ParsingError	Parameter parsing error.

DescribeMaliciousRequests

最近更新时间：2020-07-31 11:18:54

1. API Description

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

This API is used to get malicious request data.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeMaliciousRequests.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Status - String - Required: No - Filter by status (UN_OPERATED: to be processed, TRUSTED: trusted, UN_TRUSTED: untrusted) Domain - String - Required: No - Malicious request domain name Machinelp - String - Required: No - Private IP of server

Parameter Name	Required	Type	Description
Uuid	No	String	CWP agent <code>UUID</code> .

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records.
MaliciousRequests	Array of MaliciousRequest	Malicious request record array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting malicious request data

This example shows you how to get malicious request data.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeMaliciousRequests
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "MaliciousRequests": [
      {
        "Id": 1,
        "Uuid": "add4a78a-0d59-11e8-b7ab-00e081e1a5c5",
        "MachineIp": "10.10.1.1",
        "MachineName": "machiename",

```

```
"Domain": "www.malicious_domain.com",
"Count": 10,
"ProcessName": "wget",
"Pid": 5577,
"ProcessMd5": "ab0ffdb812fab5a0e1e8b83d39c63ce9",
"CmdLine": "wget http://www.malicious_domain.com/webshell.php",
>Status": "UN_OPERATED",
>Description": "description",
>Reference": "reference",
>CreateTime": "2018-10-10 10:11:12",
>MergeTime": "2018-10-10 10:11:12"
}
],
>TotalCount": 100
}
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.

DeleteMaliciousRequests

最近更新时间：2020-07-31 11:18:56

1. API Description

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

This API is used to delete malicious request records.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteMaliciousRequests.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Malicious request record ID array. Maximum value: 100 entries.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting malicious request records

This example shows you how to delete malicious request records.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteMaliciousRequests
&Ids.0=1
&Ids.1=2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- [API 3.0 Explorer](#)

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.ParsingError	Parameter parsing error.

ModifyLoginWhiteList

最近更新时间：2020-07-31 11:18:51

1. API Description

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

This API is used to edit a allowlist rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ModifyLoginWhiteList.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Rules	Yes	LoginWhiteListsRule	Whitelist rule

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Editing login whitelist

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=ModifyLoginWhiteList
&Id=1
&Rules.0.CityId=1
&Rules.0.ProvinceId=1
&Rules.0.CountryId=1
&Rules.SrcIp=10.1.1.1
&Rules.UserName=admin,root
&Rules.IsGlobal=true
&Rules.HostIp=10.2.2.2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

ExportNonlocalLoginPlaces

最近更新时间：2020-09-11 10:41:08

1. API Description

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

This API is used to export unusual login location events into a CSV file.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ExportNonlocalLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
DownloadUrl	String	Download address for exported file.
TaskId	String	Export task ID

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	----------------------------------------------------------------------------------------------------------

4. Example

Example1 Exporting unusual login location records

This example shows you how to export unusual login location records into a CSV file.

Input Example

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

Output Example

```
{  
  "Response": {  
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",  
    "DownloadUrl": "",  
    "TaskId": "1596595610"  
  }  
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.Export	Failed to export.
InternalError	Internal error.

ExportMalwares

最近更新时间：2020-07-31 11:18:52

1. API Description

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

This API is used to export trojan records into a CSV file.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ExportMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
DownloadUrl	String	Download address for exported file.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Exporting trojan records

This example shows you how to export trojan records into a CSV file.

Input Example

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

Output Example

```
{  
  "Response": {  
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",  
    "DownloadUrl": "http://download.url/xxx.csv"  
  }  
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.Export	Failed to export.
InternalError	Internal error.

ExportBruteAttacks

最近更新时间：2020-09-11 10:41:08

1. API Description

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

This API is used to export brute force attack records into a CSV file.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ExportBruteAttacks.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
DownloadUrl	String	Download address for exported file.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for

locating a problem.

4. Example

Example1 Exporting password cracking records

This example shows you how to export password cracking records into a CSV file.

Input Example

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

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "DownloadUrl": "http://download.url/xxx.csv",
    "TaskId": "1596595610"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
FailedOperation.Export	Failed to export.
InternalError	Internal error.

DescribeLoginWhiteList

最近更新时间：2020-07-31 11:18:55

1. API Description

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

This API is used to get the list of login allowlist entries.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeLoginWhiteList.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none">Keywords - String - Required: No - Query keywords

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records
LoginWhiteLists	Array of LoginWhiteLists	Login allowlist array
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the list of login whitelist entries

This example shows you how to get the list of login whitelist entries.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeLoginWhiteList
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": "2",
    "LoginWhiteLists": [
      {
        "Id": 1,
        "Uuid": "d2973ed0-6334-11e8-87cc-92be94217eaa",
        "Places": [
          {
            "CountryId": "1",
            "ProvinceId": "1",
            "CityId": "1"
          },
          {
            "CountryId": "1",
            "ProvinceId": "2",
            "CityId": "2"
          }
        ]
      }
    ]
  }
}
```

```
],
"CreateTime": "2019-09-09 11:00:02",
"ModifyTime": "2019-09-09 15:37:31",
"UserName": "guest, abc, 123",
"SrcIp": "8.8.8.8, 192.168.0.1/24",
"Quuid": "910c95a5-04b1-4d99-aa3c-a261e51b81bf",
"IsGlobal": true
},
{
  "Id": 2,
  "Uuid": "fb8c1b1a-5e2c-11e8-bb3b-00e021e1b24b",
  "Places": [
    {
      "CountryId": "1",
      "ProvinceId": "1",
      "CityId": "1"
    }
  ],
  "CreateTime": "2019-09-09 11:00:02",
  "ModifyTime": "2019-09-09 11:00:02",
  "UserName": "guest",
  "SrcIp": "10.1.1.1, 192.168.0.1/24",
  "Quuid": "910c95a5-04b1-4d99-aa3c-a261e51b81bf",
  "IsGlobal": true
}
],
"RequestId": "8bcb699a-5ba3-ebcf-f569-d5f5e5271414"
}
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

DeleteLoginWhiteList

最近更新时间：2020-07-31 11:18:56

1. API Description

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

This API is used to delete a allowlist rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteLoginWhiteList.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Whitelist ID

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Unwhitelisting unusual login location

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteLoginWhiteList
&Ids.0=1
&Ids.1=2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

AddLoginWhiteList

最近更新时间：2020-07-31 11:18:56

1. API Description

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

This API is used to add a allowlist rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: AddLoginWhiteList.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Rules	Yes	LoginWhiteListsRule	Whitelist rule

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Whitelisting unusual login location

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=AddLoginWhiteList
&Rules.0.CityId=1
&Rules.0.ProvinceId=1
&Rules.0.CountryId=1
&Rules.SrcIp=10.1.1.1
&Rules.UserName=admin
&Rules.IsGlobal=false
&Rules.HostIp=10.2.2.2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

Overview Statistics-Related APIs

DescribeOverviewStatistics

最近更新时间：2020-07-31 11:18:40

1. API Description

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

This API is used to get the overview statistics of CWP under the current account.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeOverviewStatistics.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
OnlineMachineNum	Integer	Number of online servers.

Parameter Name	Type	Description
ProVersionMachineNum	Integer	Number of servers activated CWP Pro.
MalwareNum	Integer	Number of trojan files.
NonlocalLoginNum	Integer	Number of unusual login locations.
BruteAttackSuccessNum	Integer	Number of successful brute force attacks.
VulNum	Integer	Number of vulnerabilities.
BaseLineNum	Integer	Security baseline number
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting overview statistics

This example shows you how to get the overview statistics.

Input Example

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

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "OnlineMachineNum": 1,
    "ProVersionMachineNum": 1,
    "MalwareNum": 1,
    "NonlocalLoginNum": 1,
    "BruteAttackSuccessNum": 1,
    "VulNum": 1,
    "BaseLineNum": 1
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
MissingParameter	Missing parameter.

DescribeMachines

最近更新时间：2020-09-11 10:41:07

1. API Description

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

This API is used to get the list of servers in a specified region.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeMachines.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
MachineType	Yes	String	Server type. <ul style="list-style-type: none">CVM: CVMBM: BM
MachineRegion	Yes	String	Server region, such as ap-guangzhou or ap-shanghai
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Keywords - String - Required: no - Query keywords Status - String - Required: no - CWP client status (valid values: OFFLINE, ONLINE, UNINSTALLED) Version - String - Required: no - Current CWP version (valid values: PRO_VERSION, BASIC_VERSION) Each filter can have only one value but does not support "OR" queries with multiple values
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3. Output Parameters

Parameter Name	Type	Description
Machines	Array of Machine	Server list
TotalCount	Integer	Number of servers
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the list of servers in region

This example shows you how to get the list of servers in a region.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeMachines
&MachineType=CVM
&MachineRegion=ap-shanghai
&Filters.0.Name=Keywords
&Filters.0.Values.0=10.0.1.1
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Machines": [
      {
        "MachineName": "ccs_cls-i4vyo8qa_node",
        "MachineIp": "172.16.0.4",
        "MachineWanIp": "193.112.57.245",
        "MachineOs": "ubuntu16.04.1 LTSx86_64",
        "MachineStatus": "OFFLINE",
        "Quuid": "fbd6ea2c-1894-47b0-bf3e-095c78138f76",
        "Uuid": "",
        "IsProVersion": false,
        "PayMode": "",
        "VulNum": 0,
        "Tag": [],
        "MalwareNum": 0,
        "BaseLineNum": 0,
        "CyberAttackNum": 0,
        "SecurityStatus": "SAFE"
      },
      {
        "MachineName": "piperpeng-mnet",
        "MachineIp": "10.0.0.8",
        "MachineWanIp": "129.204.223.122",
        "MachineOs": "centos7.5x86_64",
        "MachineStatus": "ONLINE",
        "Quuid": "d095145f-d417-49a7-8d83-da19320fd419",
        "Uuid": "ecc9dfd0-674b-11e9-950f-40f2e9f553a2",
        "IsProVersion": false,
        "PayMode": "",
        "VulNum": -1,
        "Tag": [
          {
            "Rid": 174,
            "Name": "Forest"
          }
        ],
        "MalwareNum": -1,
        "BaseLineNum": 0,
        "CyberAttackNum": 0,
        "SecurityStatus": "UNKNOWN"
      },
      {
        "MachineName": "jaryzhou-hp",
        "MachineIp": "10.104.18.25",
        "MachineWanIp": "139.199.79.160",
```

```

"MachineOs": "centos7.2x86_64",
"MachineStatus": "OFFLINE",
"Quuid": "999108c2-e2a4-4ce7-b3ce-dd9c7af4c7ea",
"Uuid": "a701fb5c-35ce-11ea-80ce-5cb90191ae78",
"IsProVersion": false,
"PayMode": "",
"VulNum": -1,
"Tag": [],
"MalwareNum": 2,
"BaseLineNum": 0,
"CyberAttackNum": 0,
"SecurityStatus": "UNKNOWN"
},
{
"MachineName": "SAIC private cloud test",
"MachineIp": "172.16.16.15",
"MachineWanIp": "193.112.181.15",
"MachineOs": "centos6.8x86_64",
"MachineStatus": "OFFLINE",
"Quuid": "57375249-a16c-4c9f-b210-e8c1fb4e8806",
"Uuid": "",
"IsProVersion": false,
"PayMode": "",
"VulNum": 0,
"Tag": [],
"MalwareNum": 0,
"BaseLineNum": 0,
"CyberAttackNum": 0,
"SecurityStatus": "SAFE"
},
{
"MachineName": "Vulnerability yhvs compiler-Linux",
"MachineIp": "172.16.16.32",
"MachineWanIp": "106.52.175.244",
"MachineOs": "centos7.6.0_x64",
"MachineStatus": "OFFLINE",
"Quuid": "dbf3dcd4-179a-4bc6-86e4-15439f4cc898",
"Uuid": "",
"IsProVersion": false,
"PayMode": "",
"VulNum": 0,
"Tag": [],
"MalwareNum": 0,
"BaseLineNum": 0,
"CyberAttackNum": 0,
"SecurityStatus": "SAFE"
},

```

```

{
  "MachineName": "Vulnerability yhvs compiler-win",
  "MachineIp": "172.16.16.48",
  "MachineWanIp": "106.52.166.61",
  "MachineOs": "Xserver V8.1_64",
  "MachineStatus": "OFFLINE",
  "Quuid": "1cbfd259-d992-4e3f-8188-02ad59b862cc",
  "Uuid": "",
  "IsProVersion": false,
  "PayMode": "",
  "VulNum": 0,
  "Tag": [],
  "MalwareNum": 0,
  "BaseLineNum": 0,
  "CyberAttackNum": 0,
  "SecurityStatus": "SAFE"
},
{
  "MachineName": "POC test (129.204.1.205)",
  "MachineIp": "10.104.162.166",
  "MachineWanIp": "129.204.1.205",
  "MachineOs": "CentOS6.3-64bit",
  "MachineStatus": "ONLINE",
  "Quuid": "2967d5c5-730b-4b76-87a1-95565f218cd0",
  "Uuid": "9e9a4f9e-165e-11ea-8f91-5cb90191ae68",
  "IsProVersion": false,
  "PayMode": "",
  "VulNum": -1,
  "Tag": [],
  "MalwareNum": -1,
  "BaseLineNum": 0,
  "CyberAttackNum": 0,
  "SecurityStatus": "UNKNOWN"
},
{
  "MachineName": "POC test (203.195.231.172)",
  "MachineIp": "10.104.135.28",
  "MachineWanIp": "203.195.231.172",
  "MachineOs": "debian9.0.0x86_64",
  "MachineStatus": "ONLINE",
  "Quuid": "d42129e4-54d3-41af-944c-ec5cfa0ce942",
  "Uuid": "c2972dd6-165e-11ea-95eb-40f2e9f5667a",
  "IsProVersion": false,
  "PayMode": "",
  "VulNum": -1,
  "Tag": [
    {

```

```

"Rid": 285,
"Name": "&.....#¥%@@%36"
},
{
"Rid": 286,
"Name": "123"
},
{
"Rid": 283,
"Name": "helloworld"
},
{
"Rid": 284,
"Name": "Forest"
}
],
"MalwareNum": 1,
"BaseLineNum": 0,
"CyberAttackNum": 0,
"SecurityStatus": "UNKNOWN"
},
{
"MachineName": "POC test (129.204.37.89)",
"MachineIp": "10.104.35.71",
"MachineWanIp": "129.204.37.89",
"MachineOs": "centos7.6.0_x64",
"MachineStatus": "OFFLINE",
"Quuid": "d7ab00a7-4318-4e6d-9280-0618c350e5eb",
"Uuid": "b0ad0c08-1645-11ea-b872-40f2e9f5bb82",
"IsProVersion": false,
"PayMode": "",
"VulNum": -1,
"Tag": [],
"MalwareNum": -1,
"BaseLineNum": 0,
"CyberAttackNum": 0,
"SecurityStatus": "UNKNOWN"
},
{
"MachineName": "POC test (129.204.36.227)",
"MachineIp": "10.104.14.165",
"MachineWanIp": "129.204.36.227",
"MachineOs": "ubuntu18.04.1x86_64",
"MachineStatus": "OFFLINE",
"Quuid": "b86925b4-cc36-420e-80d4-5094cb2f094b",
"Uuid": "ed629672-165e-11ea-8bcf-40f2e9f3d932",
"IsProVersion": false,

```

```
"PayMode": "",
"VulNum": -1,
"Tag": [],
"MalwareNum": 0,
"BaseLineNum": 0,
"CyberAttackNum": 0,
"SecurityStatus": "UNKNOWN"
},
],
"TotalCount": 44,
"RequestId": "c30f35cb-2f3e-94f5-59ae-316e0f32e660"
}
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeMachineInfo

最近更新时间：2020-07-31 11:18:41

1. API Description

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

This API is used to get server details.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeMachineInfo.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	CWP agent <code>Uuid</code> .

3. Output Parameters

Parameter Name	Type	Description
MachineIp	String	Server IP.

Parameter Name	Type	Description
ProtectDays	Integer	Days under protection by CWP
MachineOs	String	OS.
MachineName	String	Server name.
MachineStatus	String	Status. <ul style="list-style-type: none"> ONLINE: online OFFLINE: offline
InstanceId	String	Unique ID of CVM or BM instance.
MachineWanIp	String	Public IP of server.
Quuid	String	CVM or BM instance <code>Uuid</code> .
Uuid	String	CWP agent <code>Uuid</code> .
IsProVersion	Boolean	Whether CWP Pro is activated. <ul style="list-style-type: none"> true: yes false: no
ProVersionOpenDate	String	CWP Pro activation time.
MachineType	String	Server type. <ul style="list-style-type: none"> CVM: CVM BM: BM
MachineRegion	String	Server region, such as ap-guangzhou or ap-shanghai
PayMode	String	Server status. <ul style="list-style-type: none"> POSTPAY: post-paid, i.e., pay-as-you-go
FreeMalwaresLeft	Integer	Number of trojans left for free scan.
FreeVulsLeft	Integer	Number of vulnerability left for free scan.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting server details

This example shows you how to get server details.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeMachineInfo
&Uuid=UUID
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "MachineType": "CVM",
    "MachineRegion": "ap-guangzhou",
    "InstanceId": "ins-ibqb87x3",
    "MachineWanIp": "130.111.77.111",
    "MachineIp": "10.104.248.0",
    "MachineName": "Development server",
    "MachineOs": "3.10.0-327.36.3.el7.x86_64",
    "MachineStatus": "ONLINE",
    "ProtectDays": 120,
    "Quuid": "56af8eea-5a2a-4f0c-81ca-47208e7cd9b2",
    "Uuid": "e3fcbf68-3bd6-11e8-8954-0819a624c497",
    "IsProVersion": true,
    "PayMode": "PREPAY",
    "ProVersionOpenDate": "2018-07-30 12:34:22",
    "RequestId": "ad31cc35-8523-42a2-93e0-b733ad247daa"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.
ResourceNotFound	The resource does not exist.

DescribeSecurityDynamics

最近更新时间：2020-07-31 11:18:40

1. API Description

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

This API is used to get the security event message data.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeSecurityDynamics.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

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

Parameter Name	Type	Description
SecurityDynamics	Array of SecurityDynamic	Security event message array.
TotalCount	Integer	Total number of records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting security event message

This example shows you how to get the security event message data.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeSecurityDynamics
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "SecurityDynamics": [
      {
        "Uuid": "add4a78a-0d59-11e8-b7ab-00e081e1a5c5",
        "EventTime": "2018-10-08 12:12:22",
        "EventType": "MALWARE",
        "Message": "5 malicious files found on host 10.10.10.12"
      }
    ],
    "TotalCount": 100
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.

DescribeSecurityTrends

最近更新时间：2020-09-11 10:41:07

1. API Description

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

This API is used to get the security event statistics.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeSecurityTrends.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
BeginDate	Yes	Date	Start time.
EndDate	Yes	Date	End time.

3. Output Parameters

Parameter Name	Type	Description

Malwares	Array of SecurityTrend	Trojan event statistics array.
NonLocalLoginPlaces	Array of SecurityTrend	Unusual login location event statistics array.
BruteAttacks	Array of SecurityTrend	Brute force attack event statistics array.
Vuls	Array of SecurityTrend	Vulnerability statistics array.
BaseLines	Array of SecurityTrend	Baseline statistics array.
MaliciousRequests	Array of SecurityTrend	Statistics array of malicious requests.
HighRiskBashes	Array of SecurityTrend	Statistics array of high-risk commands.
ReverseShells	Array of SecurityTrend	Statistics array of reverse shells.
PrivilegeEscalations	Array of SecurityTrend	Statistics array of local privilege escalations.
CyberAttacks	Array of SecurityTrend	Statistics array of network attacks.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting security event statistics

This example shows you how to get the statistics of security events.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeSecurityTrends
&BeginDate=2020-06-20
&EndDate=2020-06-22
&<Common request parameters>
```


Output Example

```
{
  "Response": {
    "Malware": [
      {
        "Date": "2020-06-20",
        "EventNum": 301
      },
      {
        "Date": "2020-06-21",
        "EventNum": 301
      },
      {
        "Date": "2020-06-22",
        "EventNum": 311
      }
    ],
    "NonLocalLogin": [
      {
        "Date": "2020-06-20",
        "EventNum": 1
      },
      {
        "Date": "2020-06-21",
        "EventNum": 1
      },
      {
        "Date": "2020-06-22",
        "EventNum": 1
      }
    ],
    "BruteattackSuccess": [
      {
        "Date": "2020-06-20",
        "EventNum": 0
      },
      {
        "Date": "2020-06-21",
        "EventNum": 0
      },
      {
        "Date": "2020-06-22",
        "EventNum": 0
      }
    ],
    "Vul": [
```

```
{
  "Date": "2020-06-20",
  "EventNum": 0
},
{
  "Date": "2020-06-21",
  "EventNum": 0
},
{
  "Date": "2020-06-22",
  "EventNum": 0
}
],
"Baseline": [
  {
    "Date": "2020-06-20",
    "EventNum": 8
  },
  {
    "Date": "2020-06-21",
    "EventNum": 8
  },
  {
    "Date": "2020-06-22",
    "EventNum": 8
  }
],
"MaliciousRequest": [
  {
    "Date": "2020-06-20",
    "EventNum": 0
  },
  {
    "Date": "2020-06-21",
    "EventNum": 0
  },
  {
    "Date": "2020-06-22",
    "EventNum": 0
  }
],
"HighRiskBash": [
  {
    "Date": "2020-06-20",
    "EventNum": 0
  },
  {
```

```
"Date": "2020-06-21",
"EventNum": 0
},
{
"Date": "2020-06-22",
"EventNum": 0
}
],
"ReverseShell": [
{
"Date": "2020-06-20",
"EventNum": 0
},
{
"Date": "2020-06-21",
"EventNum": 0
},
{
"Date": "2020-06-22",
"EventNum": 0
}
],
"PrivilegeEscalation": [
{
"Date": "2020-06-20",
"EventNum": 0
},
{
"Date": "2020-06-21",
"EventNum": 0
},
{
"Date": "2020-06-22",
"EventNum": 0
}
],
"CyberAttack": [
{
"Date": "2020-06-20",
"EventNum": 0
},
{
"Date": "2020-06-21",
"EventNum": 0
},
{
"Date": "2020-06-22",
```

```
"EventNum": 0
}
],
"RequestId": "64643b63-303d-e52c-d262-38222e7dba8f"
}
}
```

5. Developer Resources

API Explorer

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.DateRange	The time range format is incorrect.

InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.

Vulnerability Management-Related APIs

RescanImpactedHost

最近更新时间：2020-07-31 11:18:35

1. API Description

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

This API is used to re-scan for 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 parameter. The value used for this API: RescanImpactedHost.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Id	Yes	Integer	Vulnerability ID.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Scanning for a vulnerability again

This example shows you how to scan for a vulnerability again.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=RescanImpactedHost
&Id=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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6. Error Code

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

Error Code	Description
FailedOperation.AgentOffline	The agent is offline.
FailedOperation.RescanVul	Failed to scan for vulnerabilities again.
FailedOperation.RescanVulProcessInUse	The server already has a rescan task in progress.
InternalError	Internal error.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

IgnoreImpactedHosts

最近更新时间：2020-07-31 11:18:35

1. API Description

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

This API is used to ignore one or more 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 parameter. The value used for this API: IgnoreImpactedHosts.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Vulnerability ID array.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Ignoring vulnerability

This example shows you how to ignore a vulnerability.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=IgnoreImpactedHosts
&Ids.0=1
&Ids.1=2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
LimitExceeded.AreaQuota	The maximum number of entries to be added in batches is exceeded.
MissingParameter	Missing parameter.

DescribeVuls

最近更新时间：2020-07-31 11:18:36

1. API Description

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

This API is used to get the vulnerability list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeVuls.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
VulType	Yes	String	Vulnerability type. <ul style="list-style-type: none">• WEB: web application vulnerability• SYSTEM: system component vulnerability• BASELINE: security baseline
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

Parameter Name	Required	Type	Description
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Status - String - Required: No - Filter by status (UN_OPERATED: to be processed, FIXED: fixed) Only one value is allowed for the <code>Status</code> filter, and "OR" logic is not supported.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of vulnerabilities.
Vuls	Array of Vul	Vulnerability list array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Gets vulnerability list

This example shows you how to get the vulnerability list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeVuls
&VulType=WEB
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

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

```
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
"Vuls": [
{
  "VulId": 4,
  "VulName": "Vulnerability name",
  "VulLevel": "HIGHT",
  "VulStatus": "FIXED",
  "LastScanTime": "2018-03-19 17:38:56",
  "ImpactedHostNum": 10
}
],
"TotalCount": 10
}
}
```

5. Developer Resources

API Explorer

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- [API 3.0 Explorer](#)

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
MissingParameter	Missing parameter.

DescribeVulScanResult

最近更新时间：2020-07-31 11:18:36

1. API Description

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

This API is used to get the vulnerability detection result.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeVulScanResult.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
VulNum	Integer	Number of vulnerabilities.
ProVersionNum	Integer	Number of servers activated CWP Pro

Parameter Name	Type	Description
ImpactedHostNum	Integer	Number of affected activated CWP Pro.
HostNum	Integer	Total number of servers.
BasicVersionNum	Integer	Number of servers on CWP Basic.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Gets vulnerability detection result

Gets vulnerability detection result

Input Example

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

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "VulNum": 10,
    "ProVersionNum": 55,
    "ImpactedHostNum": 20
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeVulInfo

最近更新时间：2020-07-31 11:18:36

1. API Description

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

This API is used to get vulnerability details.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeVulInfo.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
VulId	Yes	Integer	Vulnerability category ID.

3. Output Parameters

Parameter Name	Type	Description
VulId	Integer	Vulnerability category ID.
VulName	String	Vulnerability name.

Parameter Name	Type	Description
VulLevel	String	Vulnerability level.
VulType	String	Vulnerability type.
Description	String	Vulnerability description.
RepairPlan	String	Repair plan.
CveId	String	Vulnerability CVE.
Reference	String	Reference link.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting vulnerability details

This example shows you how to get vulnerability details.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeVulInfo
&VulId=1001
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "VulId": 1001,
    "VulName": "Vulnerability name",
    "VulLevel": "HIGH",
    "VulType": "WEB",
    "Description": "Vulnerability description",
    "RepairPlan": "Repair plan",
    "CveId": "CVE-001",
    "Reference": "http://www.qcloud.com"
```

```
}  
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

Error Code	Description
ResourceNotFound	The resource does not exist.

DescribeImpactedHosts

最近更新时间：2020-07-31 11:18:37

1. API Description

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

This API is used to get the list of servers affected by 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 parameter. The value used for this API: DescribeImpactedHosts.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
VulId	Yes	Integer	Vulnerability category ID.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none">Status - String - Required: No - Filter by status (UN_OPERATED: to be processed, FIXED: fixed)

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records
ImpactedHosts	Array of ImpactedHost	Affected server list array
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting affected server list

This example shows you how to get the list of servers affected by a vulnerability.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeImpactedHosts
&VulId=1001
&VulType=WEB
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "ImpactedHosts": [
      {
        "Id": 4,
        "VulId": 1001,
        "MachineIp": "10.10.12.12",
        "MachineName": "Server name",
        "VulStatus": "FIXED",
        "Uuid": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
        "Description": "Vulnerability description",
        "LastScanTime": "2018-03-19 17:38:56"
      }
    ]
  }
}
```



```
}  
],  
"TotalCount": 10  
}  
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.

Error Code	Description
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeAgentVuls

最近更新时间：2020-07-31 11:18:37

1. API Description

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

This API is used to get the list of vulnerabilities on a single server.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeAgentVuls.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
VulType	Yes	String	Vulnerability type. <ul style="list-style-type: none">• WEB: web application vulnerability• SYSTEM: system component vulnerability• BASELINE: security baseline
Uuid	Yes	String	Agent <code>UUID</code> .
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

Parameter Name	Required	Type	Description
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Status - String - Required: No - Filter by status (UN_OPERATED: to be processed, FIXED: fixed)

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records
AgentVuls	Array of AgentVul	Server vulnerability information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the list of vulnerabilities on server

This example shows you how to get the list of vulnerabilities on a server.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeAgentVuls
&Uuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&VulType=WEB
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "AgentVuls": [
```

```
{
  "Id": 4,
  "VulId": 1001,
  "MachineIp": "10.10.120.12",
  "Description": "Vulnerability description",
  "VulName": "Vulnerability name",
  "VulLevel": "HIGHT",
  "VulStatus": "UN_OPERATED",
  "LastScanTime": "2018-03-19 17:38:56"
},
"TotalCount": 10
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

Setting Center-Related APIs

ModifyAutoOpenProVersionConfig

最近更新时间：2020-07-31 11:18:38

1. API Description

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

This API is used to set whether to automatically activate CWP Pro for newly added servers.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ModifyAutoOpenProVersionConfig.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Status	Yes	String	Auto-Activation status. <ul style="list-style-type: none">CLOSE: disabledOPEN: enabled

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Setting whether to automatically activate CWP Pro for new servers

This example shows you how to set whether to automatically activate CWP Pro for new servers.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=ModifyAutoOpenProVersionConfig
&Status=CLOSE
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.

ModifyAlarmAttribute

最近更新时间：2020-07-31 11:18:38

1. API Description

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

This API is used to modify alarm settings.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ModifyAlarmAttribute.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Attribute	Yes	String	Alarm item. <ul style="list-style-type: none">Offline: CWP is offlineMalware: trojan eventNonlocalLogin: unusual login location discoveredCrackSuccess: brute force attack succeeded
Value	Yes	String	Alarm item attributes. <ul style="list-style-type: none">CLOSE: disabledOPEN: enabled

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying alarm settings

This example shows you how to modify alarm settings.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=ModifyAlarmAttribute
&Attribute=OFFLINE
&Value=OPEN
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeProVersionInfo

最近更新时间：2020-07-31 11:18:39

1. API Description

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

This API is used to get the CWP Pro information.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeProVersionInfo.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
PostPayCost	Integer	Fee on yesterday (pay-as-you-go)
IsAutoOpenProVersion	Boolean	Whether CWP Pro is activated for new servers

Parameter Name	Type	Description
ProVersionNum	Integer	Number of servers on CWP Pro
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting CWP Pro information

This example shows you how to get the CWP Pro information.

Input Example

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

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "PostPayCost": 4,
    "IsAutoOpenProVersion": false,
    "ProVersionNum": 10
  }
}
```

5. Developer Resources

API Explorer

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6. Error Code

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

Error Code	Description
InternalError	Internal error.

DescribeAlarmAttribute

最近更新时间：2020-07-31 11:18:39

1. API Description

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

This API is used to get the alarm settings.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeAlarmAttribute.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
Offline	String	CWP deactivation alarm status: <ul style="list-style-type: none">• OPEN: alarm enabled• CLOSE: alarm disabled

Parameter Name	Type	Description
Malware	String	Trojan discovery alarm status: <ul style="list-style-type: none"> • OPEN: alarm enabled • CLOSE: alarm disabled
NonlocalLogin	String	Unusual login location discovery alarm status: <ul style="list-style-type: none"> • OPEN: alarm enabled • CLOSE: alarm disabled
CrackSuccess	String	Brute force attack success alarm status: <ul style="list-style-type: none"> • OPEN: alarm enabled • CLOSE: alarm disabled
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting alarm settings

This example shows you how to get alarm settings.

Input Example

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

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "Offline": "CLOSE",
    "Malware": "OPEN",
    "NonlocalLogin": "OPEN",
    "CrackSuccess": "OPEN"
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.

Asset Management APIs

DescribeProcesses

最近更新时间：2020-07-31 11:18:58

1. API Description

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

This API is used to get the process list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeProcesses.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	CWP agent <code>Uuid</code> . Either <code>Uuid</code> or <code>ProcessName</code> must be specified. If <code>Uuid</code> is specified, it indicates to query the information list under the specified server.
ProcessName	No	String	Process name. Either <code>Uuid</code> or <code>ProcessName</code> must be specified. If <code>ProcessName</code> is specified, it indicates to query the information list under the specified process.

Parameter Name	Required	Type	Description
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> ProcessName - String - Required: No - Process name Machinelp - String - Required: No - Private IP of server

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in process list.
Processes	Array of Process	Process list data array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting process list

This example shows you how to get the process list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeProcesses
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

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

```
"Processes": [  
  {  
    "Id": 1,  
    "Uuid": "6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1",  
    "MachineIp": "10.12.13.22",  
    "MachineName": "machine-name",  
    "Pid": 14456,  
    "Ppid": 13456,  
    "ProcessName": "mysql",  
    "Username": "root",  
    "Platform": "LINUX32",  
    "FullPath": "/usr/local/mysql/bin/mysql",  
    "CreateTime": "2018-01-01 12:12:12"  
  },  
  {  
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",  
    "TotalCount": 100  
  }  
]
```

5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- [API 3.0 Explorer](#)

SDK

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

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeProcessTaskStatus

最近更新时间：2020-07-31 11:18:58

1. API Description

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

This API is used to get the status of a real-time process pulling 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 parameter. The value used for this API: DescribeProcessTaskStatus.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>Uuid</code> .

3. Output Parameters

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

Parameter Name	Type	Description
Status	String	Task status. <ul style="list-style-type: none">COMPLETE: completed (at this point, you can call the <code>DescribeProcesses</code> API to get the list of real-time processes)AGENT_OFFLINE: CWP agent is offlineCOLLECTING: getting processFAILED: failed to get processes
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the status of real-time process pulling task

This example shows you how to get the status of a real-time process pulling task.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeProcessTaskStatus
&Uuid=6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Status": "COMPLETE",
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

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6. Error Code

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

Error Code	Description
FailedOperation.ProcessTaskNotFound	The real-time process pulling task does not exist.
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

DescribeProcessStatistics

最近更新时间：2020-07-31 11:18:59

1. API Description

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

This API is used to get the process statistics list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeProcessStatistics.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none">ProcessName - String - Required: No - Process name

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in process statistics list.
ProcessStatistics	Array of ProcessStatistics	Process statistics list array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting process statistics list

This example shows you how to get the process statistics list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeProcessStatistics
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ProcessStatistics": [
      {
        "ProcessName": "nginx",
        "MachineNum": 10
      }
    ],
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "TotalCount": 100
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeHistoryAccounts

最近更新时间：2020-07-31 11:18:59

1. API Description

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

This API is used to get the account change history list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeHistoryAccounts.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>Uuid</code> .
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none">Username - String - Required: No - Account name

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in account change history list.
HistoryAccounts	Array of HistoryAccount	Account change history data array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting account change history list

This example shows you how to get the account change history list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeHistoryAccounts
&Uuid=6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1
&Filters.0.Name=MachineIp
&Filters.0.Values.0=10.0.1.1
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "HistoryAccounts": [
      {
        "Id": 1,
        "Uuid": "6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1",
        "MachineName": "machine-name",
        "MachineIp": "10.104.86.62",
        "Username": "nginx",
        "ModifyType": "CREATE",
        "ModifyTime": "2018-01-01 12:12:12"
      }
    ]
  }
}
```

```
],  
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",  
"TotalCount": 100  
}  
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.

Error Code	Description
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeComponents

最近更新时间：2020-07-31 11:19:00

1. API Description

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

This API is used to get the component list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeComponents.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	CWP agent <code>Uuid</code> . Either <code>Uuid</code> or <code>ComponentId</code> must be specified. If <code>Uuid</code> is specified, it indicates to query the information list under the specified server.
ComponentId	No	Integer	Component ID. Either <code>Uuid</code> or <code>ComponentId</code> must be specified. If <code>ComponentId</code> is specified, it indicates to query the information list under the specified component.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.

Parameter Name	Required	Type	Description
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> ComponentVersion - String - Required: No - Component version number Machinelp - String - Required: No - Private IP of server

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in component list.
Components	Array of Component	Component list data.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting component list

This example shows you how to get the component list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeComponents
&ComponentId=100019
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

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

```
"Components": [  
  {  
    "Id": 1,  
    "MachineIp": "10.12.13.22",  
    "MachineName": "machine-name",  
    "ModifyTime": "2018-01-01 12:12:12",  
    "ComponentVersion": "5.7.16",  
    "ComponentType": "WEB",  
    "ComponentName": "Mysql Server",  
    "Uuid": "6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1"  
  }  
],  
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",  
"TotalCount": 100  
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.

DescribeComponentStatistics

最近更新时间：2020-07-31 11:19:00

1. API Description

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

This API is used to get the component statistics list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeComponentStatistics.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. ComponentName - String - Required: No - Component name

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in component statistics list.
ComponentStatistics	Array of ComponentStatistics	Component statistics list data array.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting component statistics list

This example shows you how to get the component statistics list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeComponentStatistics
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ComponentStatistics": [
      {
        "Id": 100010,
        "MachineNum": 10,
        "ComponentName": "machine-name",
        "ComponentType": "WEB",
        "Description": "description"
      }
    ],
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "TotalCount": 100
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeComponentInfo

最近更新时间：2020-07-31 11:19:00

1. API Description

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

This API is used to get the component information.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeComponentInfo.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
ComponentId	Yes	Integer	Component ID.

3. Output Parameters

Parameter Name	Type	Description
Id	Integer	Component ID.

Parameter Name	Type	Description
ComponentName	String	Component name.
ComponentType	String	Component type. <ul style="list-style-type: none"> • WEB: web component • SYSTEM: system component
Homepage	String	Component's official website.
Description	String	Component description.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting component information

This example shows you how to get component information.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeComponentInfo
&ComponentId=100010
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Id": 100010,
    "Description": "description",
    "ComponentName": "Mysql-Server",
    "ComponentType": "WEB",
    "Homepage": "http://example.com",
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

DescribeAccounts

最近更新时间：2020-07-31 11:19:01

1. API Description

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

This API is used to get the account list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeAccounts.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	CWP agent <code>Uuid</code> . Either <code>Username</code> or <code>Uuid</code> must be specified. If <code>Uuid</code> is specified, it indicates to query the information list under the specified server.
Username	No	String	CWP agent <code>Uuid</code> . Either <code>Username</code> or <code>Uuid</code> must be specified. If <code>Username</code> is specified, it indicates to query the information list under the specified username.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.

Parameter Name	Required	Type	Description
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Username - String - Required: No - Account name Privilege - String - Required: No - Account name (ORDINARY: ordinary account, SUPPER: super admin account) Machinelp - String - Required: No - Private IP of server

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in account list.
Accounts	Array of Account	Account data list.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting account list

This example shows you how to get the account list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeAccounts
&Username=nginx
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Accounts": [
      {
        "Id": 1,
        "Uuid": "6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1",
        "MachineIp": "10.12.12.14",
        "MachineName": "machine-name",
        "Username": "nginx",
        "Groups": "users",
        "Privilege": "ORDINARY",
        "AccountCreateTime": "2018-01-01 12:12:12",
        "LastLoginTime": "2018-01-01 12:12:12"
      }
    ],
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "TotalCount": 100
  }
}
```

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
MissingParameter	Missing parameter.

DescribeAccountStatistics

最近更新时间：2020-07-31 11:19:01

1. API Description

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

This API is used to get the account statistics list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeAccountStatistics.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none">Username - String - Required: No - Account username

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in account statistics list.
AccountStatistics	Array of AccountStatistics	Account statistics list.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting account statistics list

This example shows you how to get the account statistics list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeAccountStatistics
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "AccountStatistics": [
      {
        "Username": "nginx",
        "MachineNum": 10
      }
    ],
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "TotalCount": 100
  }
}
```

5. Developer Resources

API Explorer

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- [API 3.0 Explorer](#)

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

CreateProcessTask

最近更新时间：2020-07-31 11:19:02

1. API Description

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

This API is used to create a real-time process pulling 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 parameter. The value used for this API: CreateProcessTask.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>Uuid</code> .

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating real-time process pulling task

This example shows you how to create a real-time process pulling task.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=CreateProcessTask
&Uuid=6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.CreateProcessTask	Failed to create a real-time process acquisition task.
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

EditTags

最近更新时间：2020-07-31 11:18:57

1. API Description

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

This API is used to add or edit tags.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: EditTags.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Name	Yes	String	Tag name
Id	No	Integer	Tag ID
Quuids.N	No	Array of String	CVM instance ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding/Editing tags

This example shows you how to add/edit tags.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=EditTags&Id=1&Name=tag_name&Quuids.1=id1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.ParsingError	Parameter parsing error.
InvalidParameterValue.TagNameLengthLimit	The tag name cannot contain more than 15 characters.
LimitExceeded.AreaQuota	The maximum number of entries to be added in batches is exceeded.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

DescribeTags

最近更新时间：2020-09-11 10:41:08

1. API Description

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

This API is used to get all server tags.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeTags.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
MachineType	No	String	CVM instance type. <ul style="list-style-type: none">CVM: CVMBM: CPM
MachineRegion	No	String	Server region, such as <code>ap-guangzhou</code> and <code>ap-shanghai</code>

3. Output Parameters

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

List	Array of Tag	List information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting all server tags

This example shows you how to get all server tags.

Input Example

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

Output Example

```
{
  "Response": {
    "List": [
      {
        "Id": 2,
        "Name": "Tag name",
        "Count": 123
      }
    ],
    "RequestId": "b12a5e5a-9393-453f-a4d9-b42de0b2bcec"
  }
}
```

5. Developer Resources

API Explorer

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SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

DescribeTagMachines

最近更新时间：2020-07-31 11:18:58

1. API Description

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

This API is used to get the information of servers associated with a specified tag.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeTagMachines.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Id	Yes	Integer	Tag ID

3. Output Parameters

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

Parameter Name	Type	Description
List	Array of TagMachine	List data
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the information of servers associated with specified tag

This example shows you how to get the information of servers associated with a specified tag.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeTagMachines
&Id=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "Machines": [
      {
        "MachineName": "h2-stevenyu",
        "MachineIp": "10.104.86.62",
        "MachineWanIp": "132.104.86.62",
        "MachineOs": "centos6.5",
        "MachineStatus": "ONLINE",
        "Quuid": "6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1",
        "Uuid": "9c6cd943-dbc1-4011-a74c-x4d9d26a7891",
        "IsProVersion": true,
        "PayMode": "PREPAY",
        "Tag": [
          {
            "Name": "Name",
            "Rid": 100
          }
        ],
        "VulNum": 10
      }
    ]
  }
}
```

```
}  
],  
"TotalCount": 100  
}  
}
```

5. Developer Resources

API Explorer

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SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.ParsingError	Parameter parsing error.

Error Code	Description
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

DescribeOpenPortTaskStatus

最近更新时间：2020-07-31 11:18:59

1. API Description

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

This API is used to get the status of a real-time port pulling 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 parameter. The value used for this API: DescribeOpenPortTaskStatus.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>Uuid</code> .

3. Output Parameters

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

Parameter Name	Type	Description
Status	String	Task status. <ul style="list-style-type: none"> COMPLETE: completed (at this point, you can call the <code>DescribeOpenPorts</code> API to get the list of real-time processes) AGENT_OFFLINE: CWP agent is offline COLLECTING: getting port FAILED: failed to get processes
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the status of real-time port pulling task

This example shows you how to get the status of a real-time port pulling task.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeOpenPortTaskStatus
&Uuid=6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Status": "COMPLETE",
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.AgentOffline	The agent is offline.
FailedOperation.OpenPortTaskNotFound	The real-time port pulling task does not exist.
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
ResourceNotFound	The resource does not exist.

DeleteMachineTag

最近更新时间：2020-07-31 11:19:02

1. API Description

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

This API is used to remove a tag from a server.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteMachineTag.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Rid	Yes	Integer	Associated tag ID

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Removing tag from server

This example shows you how to remove a tag from a server.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteMachineTag
&Rid=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "b12a5e5a-9393-453f-a4d9-b42de0b2bcec"
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.MissingParameter	Missing parameter.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

AddMachineTag

最近更新时间：2020-07-31 11:19:03

1. API Description

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

This API is used to add a tag to a server.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: AddMachineTag.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Quuid	Yes	String	Server ID
TagId	Yes	Integer	Tag ID
MRegion	Yes	String	Server region
MArea	Yes	String	Server type (<code>CVM</code> or <code>BM</code>)

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding tag to server

The example shows you how to add a tag to a server.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=AddMachineTag
&Quuid=2b6e5770-8e4d-11e9-8127-98be94219792
&TagId=12
&MRegion=ap-guangzhou
&MArea=CVM
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.MissingParameter	Missing parameter.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

CreateOpenPortTask

最近更新时间：2020-07-31 11:19:02

1. API Description

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

This API is used to create a real-time port acquisition 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 parameter. The value used for this API: CreateOpenPortTask.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>Uuid</code> .

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating real-time port acquisition task

This example shows you how to create a real-time port acquisition task.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=CreateOpenPortTask
&Uuid=6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.CreateOpenPortTask	Failed to create a port acquisition task.
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

Other APIs

DescribeUsualLoginPlaces

最近更新时间：2020-07-31 11:18:45

1. API Description

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

This API is used to query usual login locations.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeUsualLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>UUID</code>

3. Output Parameters

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

Parameter Name	Type	Description
UsualLoginPlaces	Array of UsualPlace	Usual login location array
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying usual login locations

This example shows you how to query usual login locations.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeUsualLoginPlaces
Uuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "UsualLoginPlaces": [
      {
        "Id": 1,
        "Uuid": "add4a78a-0d59-11e8-b7ab-00e081e1a5c5",
        "CountryId": 1,
        "ProvinceId": 1,
        "CityId": 1
      }
    ]
  }
}
```

5. Developer Resources

API Explorer

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- [API 3.0 Explorer](#)

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
LimitExceeded.AreaQuota	The maximum number of entries to be added in batches is exceeded.
MissingParameter	Missing parameter.

DeleteUsualLoginPlaces

最近更新时间：2020-07-31 11:18:46

1. API Description

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

This API is used to delete one or more usual login locations.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteUsualLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>Uuid</code>
CityIds.N	Yes	Array of Integer	Added usual login city ID array

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting usual login location

This example shows you how to delete a usual login location.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteUsualLoginPlaces
&Uuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&CityIds.0=22
&CityIds.1=33
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DeleteNonlocalLoginPlaces

最近更新时间：2020-07-31 11:18:47

1. API Description

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

This API is used to delete unusual login location records.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteNonlocalLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Unusual login location event ID array.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting unusual login location records

This example shows you how to delete unusual login location records.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteNonlocalLoginPlaces
&Ids.0=123
&Ids.1=456
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

DeleteMachine

最近更新时间：2020-07-31 11:18:47

1. API Description

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

This API is used to uninstall the CWP agent.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteMachine.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	Yes	String	CWP agent <code>Uuid</code> .

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Uninstalling agent

This API is used to uninstall the CWP agent.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteMachine
&Uuid=354f4ac3-8546-4516-8c8a-69e3ab73aa8a
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.MachineDelete	The server was uninstalled.
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

DeleteBruteAttacks

最近更新时间：2020-07-31 11:18:47

1. API Description

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

This API is used to delete brute force attack records.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DeleteBruteAttacks.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Ids.N	Yes	Array of Integer	Brute force attack event ID array.

3. Output Parameters

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

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting brute force attack records

This example shows you how to delete brute force attack records.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DeleteBruteAttacks
&Ids.0=1
&Ids.1=2
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.

CreateUsualLoginPlaces

最近更新时间：2020-07-31 11:18:48

1. API Description

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

This API is used to add one or more usual login locations.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: CreateUsualLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuids.N	Yes	Array of String	CWP agent <code>UUID</code> array.
Places.N	Yes	Array of Place	Login region information array.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding usual login location

This example shows you how to add a usual login location.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=CreateUsualLoginPlaces
&Uuid.0=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&Areas.0.CityId=1
&Areas.0.ProvinceId=1
&Areas.0.CountryId=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
LimitExceeded.AreaQuota	The maximum number of entries to be added in batches is exceeded.
MissingParameter	Missing parameter.

CloseProVersion

最近更新时间：2020-09-11 10:41:07

1. API Description

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

This API is used to deactivate CWP Pro.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: CloseProVersion.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Quid	No	String	Server <code>Uuid</code> . <code>InstanceId</code> for BM or <code>Uuid</code> for CVM

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deactivates CWP Pro

This example shows you how to deactivate CWP Pro.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=CloseProVersion
&Quuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.CloseProVersion	Failed to deactivate CWP Pro.
FailedOperation.OpenProVersion	Failed to activate CWP Pro.
FailedOperation.PrePayMode	Unable to disable the prepaid Pro edition. Please disable it in Billing Center.
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
MissingParameter	Missing parameter.

DescribeWeeklyReports

最近更新时间：2020-07-31 11:18:43

1. API Description

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

This API is used to get the weekly report list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeWeeklyReports.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description
WeeklyReports	Array of WeeklyReport	Weekly CWP Pro report list array.
TotalCount	Integer	Total number of records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting weekly CWP Pro report list

This example shows you how to get the weekly CWP Pro report list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeWeeklyReports
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "WeeklyReports": [
      {
        "BeginDate": "2018-10-08",
        "EndDate": "2018-10-14"
      }
    ],
    "TotalCount": 10
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.

DescribeWeeklyReportVuls

最近更新时间：2020-07-31 11:18:43

1. API Description

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

This API is used to get the vulnerability data in the weekly CWP Pro 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 parameter. The value used for this API: DescribeWeeklyReportVuls.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
BeginDate	Yes	Date	Weekly CWP Pro report start time.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description
WeeklyReportVuls	Array of WeeklyReportVul	Vulnerability data array in weekly CWP Pro report.
TotalCount	Integer	Total number of records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting vulnerability data in weekly CWP Pro report

This example shows you how to get the vulnerability data in the weekly CWP Pro report.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeWeeklyReportVuls
&BeginDate=2018-10-08
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "WeeklyReportVuls": [
      {
        "MachineIp": "10.10.10.12",
        "VulName": "Vulnerability name",
        "Description": "Vulnerability description",
        "VulType": "WEB",
        "VulStatus": "FIXED",
        "LastScanTime": "2018-10-11 12:23:22"
      }
    ],
    "TotalCount": 100
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.

DescribeWeeklyReportNonlocalLoginPlaces

最近更新时间：2020-07-31 11:18:43

1. API Description

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

This API is used to get the unusual login location data in the weekly CWP Pro 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 parameter. The value used for this API: DescribeWeeklyReportNonlocalLoginPlaces.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
BeginDate	Yes	Date	Weekly CWP Pro report start time.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description
WeeklyReportNonlocalLoginPlaces	Array of WeeklyReportNonlocalLoginPlace	Unusual login location data in weekly CWP Pro report
TotalCount	Integer	Total number of records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting unusual login location data in weekly CWP Pro report

This example shows you how to get the unusual login location data in the weekly CWP Pro report.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeWeeklyReportNonlocalLoginPlaces
&BeginDate=2018-10-08
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "WeeklyReportNonlocalLoginPlaces": [
      {
        "MachineIp": "10.10.10.12",
        "Username": "root",
        "SrcIp": "139.12.12.12",
        "Country": 1,
        "Province": 1,
        "City": 1,
        "LoginTime": "2018-10-11 12:12:22"
      }
    ],
    "TotalCount": 100
  }
}
```

```
}  
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.

DescribeWeeklyReportMalwares

最近更新时间：2020-07-31 11:18:44

1. API Description

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

This API is used to get the trojan data in the weekly CWP Pro 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 parameter. The value used for this API: DescribeWeeklyReportMalwares.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
BeginDate	Yes	Date	Weekly CWP Pro report start time.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description
WeeklyReportMalwares	Array of WeeklyReportMalware	Trojan data in weekly CWP Pro report.
TotalCount	Integer	Total number of records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Gets trojan data in weekly CWP Pro report

Gets trojan data in weekly CWP Pro report

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeWeeklyReportMalwares
&BeginDate=2018-10-08
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "WeeklyReportMalwares": [
      {
        "MachineIp": "10.10.10.12",
        "FilePath": "/data/www/webshell.php",
        "Md5": "a70e8beeddcf2d87c5df2d5524b4ca50",
        "FindTime": "2018-10-11 12:12:22",
        "Status": "UN_OPERATED"
      }
    ],
    "TotalCount": 100
  }
}
```

5. Developer Resources

API Explorer

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- [API 3.0 Explorer](#)

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.

DescribeWeeklyReportInfo

最近更新时间：2020-07-31 11:18:44

1. API Description

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

This API is used to get the details in the weekly CWP Pro 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 parameter. The value used for this API: DescribeWeeklyReportInfo.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
BeginDate	Yes	Date	Weekly CWP Pro report start time.

3. Output Parameters

Parameter Name	Type	Description
CompanyName	String	Account owner name.

Parameter Name	Type	Description
MachineNum	Integer	Total number of servers.
OnlineMachineNum	Integer	Number of online CWP agents
OfflineMachineNum	Integer	Number of offline CWP agents.
ProVersionMachineNum	Integer	Number of servers on CWP Pro.
BeginDate	Date	Weekly report start time
EndDate	Date	Weekly report end time
Level	String	Security level <ul style="list-style-type: none">• HIGH: high• MIDDLE: medium• LOW: low
MalwareNum	Integer	Number of trojan records.
NonlocalLoginNum	Integer	Number of unusual login locations.
BruteAttackSuccessNum	Integer	Number of successful brute force attacks.
VulNum	Integer	Number of vulnerabilities.
DownloadUrl	String	Download address for exported file.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting details in weekly CWP Pro report

This example shows you how to get the details in the weekly CWP Pro report.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeWeeklyReportInfo
&BeginDate=2018-10-08
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "CompanyName": "Component name",
    "MachineNum": 100,
    "OnlineMachineNum": 80,
    "OfflineMachineNum": 20,
    "ProVersionMachineNum": 30,
    "MalwareNum": 11,
    "NonlocalLoginNum": 11,
    "BruteAttackSuccessNum": 11,
    "VulNum": 11,
    "DownloadUrl": "http://download-url.com/xxx.xlsx",
    "Level": "LOW",
    "BeginDate": "2018-10-08",
    "EndDate": "2018-10-13"
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.

DescribeWeeklyReportBruteAttacks

最近更新时间：2020-07-31 11:18:45

1. API Description

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

This API is used to get the brute force attack data in the weekly CWP Pro 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 parameter. The value used for this API: DescribeWeeklyReportBruteAttacks.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
BeginDate	Yes	Date	Weekly CWP Pro report start time.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.

3. Output Parameters

Parameter Name	Type	Description
WeeklyReportBruteAttacks	Array of WeeklyReportBruteAttack	Brute force attack array in weekly CWP Pro report.
TotalCount	Integer	Total number of records.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting brute force attack data in weekly CWP Pro report

This example shows you how to get the brute force attack data in the weekly CWP Pro report.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeWeeklyReportBruteAttacks
&BeginDate=2018-10-08
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "WeeklyReportMalwares": [
      {
        "MachineIp": "10.10.10.12",
        "Username": "root",
        "SrcIp": "139.12.12.12",
        "AttackTime": "2018-10-11 12:12:22",
        "Count": 10
      }
    ],
    "TotalCount": 100
  }
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.

DescribeOpenPorts

最近更新时间：2020-07-31 11:18:46

1. API Description

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

This API is used to get the port list.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeOpenPorts.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Uuid	No	String	CWP agent <code>Uuid</code> . Either <code>Port</code> or <code>Uuid</code> must be specified. If <code>Uuid</code> is specified, it indicates to query the information list under the specified server.
Port	No	Integer	Open port number. Either <code>Port</code> or <code>Uuid</code> must be specified. If <code>Port</code> is specified, it indicates to query the information list under the specified port.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.

Parameter Name	Required	Type	Description
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none"> Port - Uint64 - Required: No - Port number ProcessName - String - Required: No - Process name Machinelp - String - Required: No - Private IP of server

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in port list.
OpenPorts	Array of OpenPort	Port list.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting port list

This example shows you how to get the port list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeOpenPorts
&Port=3306
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

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

```
"OpenPorts": [  
  {  
    "Id": 1,  
    "Uuid": "6b6cd843-6bc1-4011-a74c-dc3fd26a7dd1",  
    "Port": 3306,  
    "MachineIp": "10.12.13.22",  
    "MachineName": "h2-stevenyu",  
    "ProcessName": "mysql",  
    "Pid": 14456,  
    "CreateTime": "2018-01-01 12:12:12",  
    "ModifyTime": "2018-01-01 12:12:12"  
  },  
  {  
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",  
    "TotalCount": 100  
  }  
]
```

5. Developer Resources

API Explorer

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- [API 3.0 Explorer](#)

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
MissingParameter	Missing parameter.

DescribeOpenPortStatistics

最近更新时间：2020-07-31 11:18:46

1. API Description

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

This API is used to get the statistics on port usage

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeOpenPortStatistics.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
Limit	No	Integer	Number of results to be returned. Default value: 10. Maximum value: 100.
Offset	No	Integer	Offset. Default value: 0.
Filters.N	No	Array of Filter	Filter. <ul style="list-style-type: none">Port - Uint64 - Required: No - Port number

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of records in port statistics list
OpenPortStatistics	Array of OpenPortStatistics	Port statistics list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting port statistics list

This example shows you how to get the port statistics list.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=DescribeOpenPortStatistics
&Filters.0.Name=Port
&Filters.0.Values.0=22
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "OpenPortStatistics": [
      {
        "Port": 80,
        "MachineNum": 10
      },
      {
        "Port": 3306,
        "MachineNum": 5
      }
    ],
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "TotalCount": 100
  }
}
```


5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.

RenewProVersion

最近更新时间：2019-06-26 20:07:59

1. API Description

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

This API (RenewProVersion) is used to renew HS Pro (prepaid).

Default request rate limit: 20/sec.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: RenewProVersion.
Version	Yes	String	Common parameter. The value used for this API: 2/28/2018
Region	No	String	Common parameter. This parameter is not required for this API.
ChargePrepaid	Yes	ChargePrepaid	Purchase-related parameter.
Quuid	Yes	String	Unique ID of the host, i.e. the uuid of a CVM, or the InstanceId of a CPM.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique ID of a request, which is required for each troubleshooting case.

4. Example

Example 1 Renew HS Pro

Input example

```
https://yunjing.tencentcloudapi.com/?Action=RenewProVersion
&ChargePrepaid.Period=1
&Quuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&<Common request parameters>
```

Output example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Resources for Developers

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using cloud APIs.

- [API 3.0 Explorer](#)

6. Error Codes

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

Error Code	Description
FailedOperation.TradeError	Transaction error.
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
ResourceNotFound	Resource does not exist.

OpenProVersionPrepaid

最近更新时间：2019-06-26 20:07:59

1. API Description

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

This API (OpenProVersionPrepaid) is used to activate HS Pro (prepaid).

Default request rate limit: 20/sec.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: OpenProVersionPrepaid.
Version	Yes	String	Common parameter. The value used for this API: 2/28/2018
Region	No	String	Common parameter. This parameter is not required for this API.
ChargePrepaid	Yes	ChargePrepaid	Purchase-related parameter.
Machines.N	Yes	Array of ProVersionMachine	Array of information of the hosts with HS Pro activated.

3. Output Parameters

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

Parameter Name	Type	Description
DealIds	Array of String	Order ID list.
RequestId	String	The unique ID of a request, which is required for each troubleshooting case.

4. Example

Example 1 Activate HS Pro (prepaid)

Input example

```
https://yunjing.tencentcloudapi.com/?Action=OpenProVersionPrepaid
&ChargePrepaid.Period=1
&Machines.0.MachineType=CVM
&Machines.0.MachineRegion=ap-guangzhou
&Machines.0.Quuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&<Common request parameters>
```

Output example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "DealIds": [
      "20171201110011"
    ]
  }
}
```

5. Resources for Developers

API Explorer

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- [API 3.0 Explorer](#)

6. Error Codes

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

Error Code	Description
FailedOperation.TradeError	Transaction error.
InternalError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.

ModifyProVersionRenewFlag

最近更新时间：2020-07-31 11:18:42

1. API Description

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

This API is used to modify the renewal flag of CWP Pro.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: ModifyProVersionRenewFlag.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
RenewFlag	Yes	String	Auto-renewal flag. Valid values: <ul style="list-style-type: none">NOTIFY_AND_AUTO_RENEW: notifies of expiration and auto-renewsNOTIFY_AND_MANUAL_RENEW: notifies of expiration but does not auto-renewDISABLE_NOTIFY_AND_MANUAL_RENEW: does not notify of expiration or auto-renew
Quid	Yes	String	Unique server ID, corresponding to <code>uuid</code> for CVM or <code>instanceId</code> for BM.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the renewal flag of CWP Pro

This example shows you how to modify the renewal flag of CWP Pro.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=ModifyProVersionRenewFlag
&RenewFlag=NOTIFY_AND_AUTO_RENEW
&Quuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

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

Error Code	Description
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.
ResourceNotFound	The resource does not exist.

InquiryPriceOpenProVersionPrepaid

最近更新时间：2019-06-26 20:07:59

1. API Description

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

This API (InquiryPriceOpenProVersionPrepaid) is used to inquire the price for activating HS Pro (prepaid).

Default request rate limit: 20/sec.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: InquiryPriceOpenProVersionPrepaid.
Version	Yes	String	Common parameter. The value used for this API: 2/28/2018
Region	No	String	Common parameter. This parameter is not required for this API.
ChargePrepaid	Yes	ChargePrepaid	Parameter for setting prepaid mode.
Machines.N	Yes	Array of ProVersionMachine	Array of the hosts with HS Pro activated.

3. Output Parameters

Parameter Name	Type	Description
OriginalPrice	Float	Original price of prepaid fees (in CNY).
DiscountPrice	Float	Discount price of prepaid fees (in CNY).

Parameter Name	Type	Description
RequestId	String	The unique ID of a request, which is required for each troubleshooting case.

4. Example

Example 1 Inquire the price for activating HS Pro (prepaid)

Input example

```
https://yunjing.tencentcloudapi.com/?Action=InquiryPriceOpenProVersionPrepaid
&ChargePrepaid.Period=1
&Machines.0.MachineType=CVM
&Machines.0.MachineRegion=ap-guangzhou
&Machines.0.Quuid=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&<Common request parameters>
```

Output example

```
{
  "Response": {
    "DiscountPrice": 88.88,
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
    "OriginalPrice": 100
  }
}
```

5. Resources for Developers

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using cloud APIs.

- [API 3.0 Explorer](#)

6. Error Codes

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

Error Code	Description
FailedOperation.InquiryPrice	Price query failed.
InternalServerError	Internal error.
InvalidParameter.InvalidFormat	Incorrect parameter format.

OpenProVersion

最近更新时间：2020-07-31 11:18:42

1. API Description

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

This API is used to activate CWP Pro.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: OpenProVersion.
Version	Yes	String	Common parameter. The value used for this API: 2018-02-28.
Region	No	String	Common parameter. This parameter is not required for this API.
MachineType	Yes	String	Server type. <ul style="list-style-type: none">• CVM: CVM• BM: BM
MachineRegion	Yes	String	Server region Examples: ap-guangzhou, ap-shanghai

Parameter Name	Required	Type	Description
Quuids.N	Yes	Array of String	Server <code>Uuid</code> array. <code>InstanceId</code> for BM or <code>Uuid</code> for CVM
ActivityId	No	Integer	Event ID.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Activating CWP Pro

This example shows you how to activate CWP Pro.

Input Example

```
https://yunjing.tencentcloudapi.com/?Action=OpenProVersion
&MachineType=CVM
&MachineRegion=ap-guangzhou
&Quuids.0=add4a78a-0d59-11e8-b7ab-00e081e1a5c5
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
  }
}
```

5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- [API 3.0 Explorer](#)

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.OpenProVersion	Failed to activate CWP Pro.
InternalError	Internal error.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.ParsingError	Parameter parsing error.
LimitExceeded.AreaQuota	The maximum number of entries to be added in batches is exceeded.
MissingParameter	Missing parameter.

Data Types

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Account

Account list information.

Used by actions: DescribeAccounts.

Name	Type	Description
Id	Integer	Unique ID.
Uuid	String	CWP agent <code>Uuid</code>
Machinelp	String	Private IP of server.
MachineName	String	Server name.
Username	String	Account name.
Groups	String	Account group.
Privilege	String	Account type. <ul style="list-style-type: none">ORDINARY: ordinary accountSUPPER: super admin account
AccountCreateTime	Timestamp	Account creation time.
LastLoginTime	Timestamp	Account last login time.

AccountStatistics

Account statistics.

Used by actions: DescribeAccountStatistics.

Name	Type	Description
Username	String	Username.
MachineNum	Integer	Number of servers.

AgentVul

Server vulnerability information

Used by actions: DescribeAgentVuls.

Name	Type	Description
Id	Integer	Vulnerability ID.
Machinelp	String	Server IP.
VulName	String	Vulnerability name.
VulLevel	String	Vulnerability severity level. <ul style="list-style-type: none"> HIGH: high MIDDLE: medium LOW: low NOTICE: notice
LastScanTime	Timestamp	Last scanned time.
Description	String	Vulnerability description.
VulId	Integer	Vulnerability category ID.
VulStatus	String	Vulnerability status. <ul style="list-style-type: none"> UN_OPERATED: to be processed FIXED: fixed

BruteAttack

Brute force attack list

Used by actions: DescribeBruteAttacks.

Name	Type	Description
Id	Integer	Event ID.
Machinelp	String	Server IP.
Status	String	Brute force attack event status <ul style="list-style-type: none"> BRUTEATTACK_FAIL_ACCOUNT: brute force attack event - failure (the account exists)

		<ul style="list-style-type: none"> BRUTEATTACK_FAIL_NOACCOUNT: brute force attack event - failure (the account does not exist) BRUTEATTACK_SUCCESS: brute force attack event - success
UserName	String	Username.
City	Integer	City ID.
Country	Integer	Country/Region ID.
Province	Integer	Province/State ID.
SrcIp	String	Source IP.
Count	Integer	Number of attempts.
CreateTime	Timestamp	Occurrence time.
MachineName	String	Server name.
Uuid	String	CWP agent <code>UUID</code> .
IsProVersion	Boolean	Whether the server enables CWP Pro.
BanStatus	String	Whether the server is banned.
Quuid	String	Server <code>UUID</code>

Component

Component list data.

Used by actions: DescribeComponents.

Name	Type	Description
Id	Integer	Unique ID.
Uuid	String	CWP agent <code>Uuid</code> .
MachineIp	String	Private IP of server.
MachineName	String	Server name.
ComponentVersion	String	Component version number.
ComponentType	String	Component type.

		<ul style="list-style-type: none"> • SYSTEM: system component • WEB: web component
ComponentName	String	Component name.
ModifyTime	Timestamp	Component detection update time.

ComponentStatistics

Component statistics.

Used by actions: DescribeComponentStatistics.

Name	Type	Description
Id	Integer	Component ID.
MachineNum	Integer	Number of servers.
ComponentName	String	Component name.
ComponentType	String	Component type. <ul style="list-style-type: none"> • WEB: web component • SYSTEM: system component
Description	String	Component description.

Filter

Key-value pair filters for conditional filtering queries, such as filtering ID, name, and status.

If more than one filter exists, the logical relationship between these filters is `AND` .

If multiple values exist in one filter, the logical relationship between these values is `OR` .

- There can be up to 5 filters
- There can be up to 5 `Values` in the same `Filter` .

Used by actions: DescribeAccountStatistics, DescribeAccounts, DescribeAgentVuls, DescribeBruteAttacks, DescribeComponentStatistics, DescribeComponents, DescribeHistoryAccounts, DescribeImpactedHosts, DescribeLoginWhiteList, DescribeMachines, DescribeMaliciousRequests, DescribeMalwares, DescribeNonlocalLoginPlaces, DescribeOpenPortStatistics, DescribeOpenPorts, DescribeProcessStatistics, DescribeProcesses, DescribeVuls.

Name	Type	Required	Description
Name	String	Yes	Filter key name.
Values	Array of String	Yes	One or more filter values.

HistoryAccount

Account change history data.

Used by actions: DescribeHistoryAccounts.

Name	Type	Description
Id	Integer	Unique ID.
Uuid	String	CWP agent <code>Uuid</code> .
Machinelp	String	Private IP of server.
MachineName	String	Server name.
Username	String	Account name.
ModifyType	String	Account change type. <ul style="list-style-type: none"> • CREATE: creates account • MODIFY: modifies account • DELETE: deletes account
ModifyTime	Timestamp	Change time.

ImpactedHost

Affected server information

Used by actions: DescribeImpactedHosts.

Name	Type	Description
Id	Integer	Vulnerability ID.
Machinelp	String	Server IP.
MachineName	String	Server name.

LastScanTime	Timestamp	Last detection time.
VulStatus	String	Vulnerability status. <ul style="list-style-type: none"> UN_OPERATED: to be processed SCANNING: scanning FIXED: fixed
Uuid	String	CWP agent <code>UUID</code> .
Description	String	Vulnerability description.
VulId	Integer	Vulnerability category ID.
IsProVersion	Boolean	Whether it is the CWP Pro.

LoginWhiteLists

Login allowlist

Used by actions: DescribeLoginWhiteList.

Name	Type	Description
Id	Integer	Record ID
Uuid	String	CWP agent ID
Places	Array of Place	Whitelisted location
UserName	String	Whitelisted users (separated by commas)
SrcIp	String	Whitelisted IPs (separated by commas)
IsGlobal	Boolean	Whether this rule is applied to all servers under the current account
CreateTime	Timestamp	Whitelist creation time
ModifyTime	Timestamp	Whitelist modification time
MachineName	String	Server name
HostIp	String	Server IP
StartTime	String	Start time
EndTime	String	End time

LoginWhiteListsRule

Whitelist rule

Used by actions: AddLoginWhiteList, ModifyLoginWhiteList.

Name	Type	Required	Description
Places	Array of Place	Yes	Whitelisted location
SrcIp	String	Yes	Whitelisted IPs (separated by commas). This parameter can be an IP range.
UserName	String	Yes	Whitelisted usernames (separated by commas)
IsGlobal	Boolean	Yes	Whether this rule is applied to all servers under the current account
HostIp	String	Yes	Server for which the allowlist takes effect
Id	Integer	No	Rule ID, used for rule updating
StartTime	String	No	Start time
EndTime	String	No	End time

Machine

Server list

Used by actions: DescribeMachines.

Name	Type	Description
MachineName	String	Server name.
MachineOs	String	Server OS.
MachineStatus	String	Server status. <ul style="list-style-type: none"> OFFLINE: offline ONLINE: online MACHINE_STOPPED: shut down
Uuid	String	CWP agent <code>Uuid</code> . If the agent is offline for a long time, a null character will be returned.

Quuid	String	CVM or BM instance <code>Uuid</code> .
VulNum	Integer	Number of vulnerabilities.
MachineIp	String	Server IP.
IsProVersion	Boolean	Whether the server has enabled CWP Pro. <ul style="list-style-type: none"> true: yes false: no
MachineWanIp	String	Public IP of server.
PayMode	String	Server status. <ul style="list-style-type: none"> POSTPAY: post-paid, i.e., pay-as-you-go
MalwareNum	Integer	Number of trojans.
Tag	Array of MachineTag	Tag information
BaselineNum	Integer	Number of baseline risks.
CyberAttackNum	Integer	Number of network risks.
SecurityStatus	String	Risk status. <ul style="list-style-type: none"> SAFE: safe RISK: at risk UNKNOWN: unknown
InvasionNum	Integer	Number of intrusions
RegionInfo	RegionInfo	Region information

MachineTag

Server tag information

Used by actions: DescribeMachines.

Name	Type	Description
Rid	Integer	Associated tag ID
Name	String	Tag name
TagId	Integer	Tag ID

MaliciousRequest

Malicious request data.

Used by actions: DescribeMaliciousRequests.

Name	Type	Description
Id	Integer	Record ID.
Uuid	String	CWP agent <code>UUID</code> .
MachineIp	String	Private IP of server.
MachineName	String	Server name.
Domain	String	Malicious request domain name.
Count	Integer	Number of malicious requests.
ProcessName	String	Process name.
Status	String	Record status. <ul style="list-style-type: none"> UN_OPERATED: to be processed TRUSTED: trusted UN_TRUSTED: untrusted
Description	String	Malicious request domain name description.
Reference	String	Reference address.
CreateTime	Timestamp	Discovery time.
MergeTime	Timestamp	Record merge time.
ProcessMd5	String	Process MD5 Value.
CmdLine	String	Executed command line.
Pid	Integer	Process <code>PID</code> .

Malware

Trojan information

Used by actions: DescribeMalwares.

Name	Type	Description
Id	Integer	Event ID.
MachineIp	String	Server IP.
Status	String	Current trojan status. <ul style="list-style-type: none"> • UN_OPERATED: not processed • SEGREGATED: isolated • TRUSTED: trusted • SEPARATING: isolating • RECOVERING: recovering
FilePath	String	Trojan path.
Description	String	Trojan description.
MachineName	String	Server name.
FileCreateTime	Timestamp	Trojan file creation time.
ModifyTime	Timestamp	Trojan file modification time.
Uuid	String	CWP agent <code>UUID</code> .

NonLocalLoginPlace

Unusual login location

Used by actions: DescribeNonlocalLoginPlaces.

Name	Type	Description
Id	Integer	Event ID.
MachineIp	String	Server IP.
Status	String	Login status <ul style="list-style-type: none"> • NON_LOCAL_LOGIN: unusual login location • NORMAL_LOGIN: intended login
UserName	String	Username.
City	Integer	City ID.

Country	Integer	Country/Region ID.
Province	Integer	Province/State ID.
Srclp	String	Login IP.
MachineName	String	Server name.
LoginTime	Timestamp	Login time.
Uuid	String	CWP agent <code>Uuid</code> .

OpenPort

Port list

Used by actions: DescribeOpenPorts.

Name	Type	Description
Id	Integer	Unique ID.
Uuid	String	CWP agent <code>UUID</code> .
Port	Integer	Open port number.
MachineIp	String	Server IP.
MachineName	String	Server name.
ProcessName	String	Process name corresponding to port.
Pid	Integer	Process <code>Pid</code> corresponding to port.
CreateTime	Timestamp	Record creation time.
ModifyTime	Timestamp	Record update time.

OpenPortStatistics

Port statistics list

Used by actions: DescribeOpenPortStatistics.

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Name	Type	Description
Port	Integer	Port number
MachineNum	Integer	Number of servers

Place

Login location information

Used by actions: AddLoginWhiteList, CreateUsualLoginPlaces, DescribeLoginWhiteList, ModifyLoginWhiteList.

Name	Type	Required	Description
CityId	Integer	Yes	City ID.
ProvinceId	Integer	Yes	Province/State ID.
CountryId	Integer	Yes	Country/Region ID. Currently, only <code>1</code> (Mainland China) is supported.

Process

Process information.

Used by actions: DescribeProcesses.

Name	Type	Description
Id	Integer	Unique ID.
Uuid	String	CWP agent <code>UUID</code> .
MachineIp	String	Private IP of server.
MachineName	String	Server name.
Pid	Integer	Process <code>Pid</code> .
Ppid	Integer	Process <code>Ppid</code> .
ProcessName	String	Process name.
Username	String	Process username.

Platform	String	OS. <ul style="list-style-type: none"> WIN32: Windows 32-bit WIN64: Windows 64-bit LINUX32: Linux 32-bit LINUX64: Linux 64-bit
FullPath	String	Process path.
CreateTime	Timestamp	Creation time.

ProcessStatistics

Process statistics.

Used by actions: DescribeProcessStatistics.

Name	Type	Description
ProcessName	String	Process name.
MachineNum	Integer	Number of servers.

RegionInfo

Region information

Used by actions: DescribeMachines.

Name	Type	Description
Region	String	Region, such as <code>ap-guangzhou</code> , <code>ap-shanghai</code> and <code>ap-beijing</code>
RegionName	String	Region name, such as <code>South China (Guangzhou)</code> , <code>East China (Shanghai)</code> , and <code>North China (Beijing)</code>
RegionId	Integer	Region ID
RegionCode	String	Region code, such as <code>gz</code> , <code>sh</code> , and <code>bj</code>

SecurityDynamic

Security event message data.

Used by actions: DescribeSecurityDynamics.

Name	Type	Description
Uuid	String	CWP agent <code>UUID</code> .
EventTime	Timestamp	Security event occurrence time.
EventType	String	Security event type. <ul style="list-style-type: none"> MALWARE: trojan event NON_LOCAL_LOGIN: unusual login location BRUTEATTACK_SUCCESS: brute force attack succeeded VUL: vulnerability BASELINE: security baseline
Message	String	Security event message.
SecurityLevel	String	Security event level. <ul style="list-style-type: none"> RISK: severe HIGH: high NORMAL: medium LOW: low

SecurityTrend

Security trend statistics.

Used by actions: DescribeSecurityTrends.

Name	Type	Description
Date	Date	Event time.
EventNum	Integer	Number of events.

Tag

Tag information

Used by actions: DescribeTags.

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Name	Type	Description
Id	Integer	Tag ID
Name	String	Tag name
Count	Integer	Number of servers

TagMachine

Tagged server information

Used by actions: DescribeTagMachines.

Name	Type	Description
Id	String	ID
Quuid	String	Server ID
MachineName	String	Server name
MachineIp	String	Private IP of server
MachineWanIp	String	Public IP of server
MachineRegion	String	Server region
MachineType	String	Server region type

UsualPlace

Usual login location

Used by actions: DescribeUsualLoginPlaces.

Name	Type	Description
Id	Integer	ID.
Uuid	String	CWP agent <code>UUID</code> .
CountryId	Integer	Country/Region ID.
ProvinceId	Integer	Province/State ID.

CityId	Integer	City ID.
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Vul

Vulnerability list data

Used by actions: DescribeVuls.

Name	Type	Description
VulId	Integer	Vulnerability category ID
VulName	String	Vulnerability name
VulLevel	String	Vulnerability severity level: HIGH: high MIDDLE: medium LOW: low NOTICE: notice
LastScanTime	Timestamp	Last scanned time
ImpactedHostNum	Integer	Number of affected servers
VulStatus	String	Vulnerability status * UN_OPERATED: to be processed * FIXED: fixed

WeeklyReport

Weekly report list.

Used by actions: DescribeWeeklyReports.

Name	Type	Description
BeginDate	Date	Weekly report start time.
EndDate	Date	Weekly report end time.

WeeklyReportBruteAttack

Brute force attack data in weekly CWP Pro report.

Used by actions: DescribeWeeklyReportBruteAttacks.

Name	Type	Description
Machinelp	String	Server IP.
Username	String	Hacked username.
SrcIp	String	Source IP.
Count	Integer	Number of attempts.
AttackTime	Timestamp	Attack time.

WeeklyReportMalware

Trojan data in weekly CWP Pro report.

Used by actions: DescribeWeeklyReportMalwares.

Name	Type	Description
Machinelp	String	Server IP.
FilePath	String	Trojan file path.
Md5	String	Trojan file MD5 value.
FindTime	Timestamp	Trojan discovery time.
Status	String	Current trojan status. <ul style="list-style-type: none"> • UN_OPERATED: not processed • SEGREGATED: isolated • TRUSTED: trusted • SEPARATING: isolating • RECOVERING: recovering

WeeklyReportNonlocalLoginPlace

Unusual login location data in weekly CWP Pro report

Used by actions: DescribeWeeklyReportNonlocalLoginPlaces.

Name	Type	Description
Machinelp	String	Server IP.
Username	String	Username.
SrcIp	String	Source IP.
Country	Integer	Country/Region ID.
Province	Integer	Province/State ID.
City	Integer	City ID.
LoginTime	Timestamp	Login time.

WeeklyReportVul

Vulnerability data in weekly CWP Pro report.

Used by actions: DescribeWeeklyReportVuls.

Name	Type	Description
Machinelp	String	Private IP of server.
VulName	String	Vulnerability name.
VulType	String	Vulnerability type. <ul style="list-style-type: none"> • WEB: web vulnerability • SYSTEM: system component vulnerability • BASELINE: security baseline
Description	String	Vulnerability description.
VulStatus	String	Vulnerability status. <ul style="list-style-type: none"> • UN_OPERATED: to be processed • SCANING: scanning • FIXED: fixed
LastScanTime	Timestamp	Last scanned time.

Error Codes

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Feature Description

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

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

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

Error Code List

Common Error Codes

Error Code	Description
UnsupportedOperation	Unsupported operation.
ResourceInUse	Resource is in use.
InternalError	Internal error.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
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.
LimitExceeded	Quota limit exceeded.
NoSuchVersion	The API version does not exist.

Error Code	Description
ResourceNotFound	The resource does not exist.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
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.
UnsupportedRegion	API does not support the requested region.
UnauthorizedOperation	Unauthorized operation.
InvalidParameter	Incorrect parameter.
ResourceUnavailable	Resource is unavailable.
AuthFailure.MFAFailure	MFA failed.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.TokenFailure	Token error.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
UnknownParameter	Unknown parameter.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
InvalidParameterValue	Invalid parameter value.
InvalidAction	The API does not exist.
MissingParameter	A parameter is missing.
ResourceInsufficient	Insufficient resource.

Service Error Codes

Error Code	Description
FailedOperation.AgentOffline	The agent is offline.
FailedOperation.CloseProVersion	Failed to deactivate CWP Pro.
FailedOperation.CreateOpenPortTask	Failed to create a port acquisition task.
FailedOperation.CreateProcessTask	Failed to create a real-time process acquisition task.
FailedOperation.Export	Failed to export.
FailedOperation.MachineDelete	The server was uninstalled.
FailedOperation.OpenPortTaskNotFound	The real-time port pulling task does not exist.
FailedOperation.OpenProVersion	Failed to activate CWP Pro.
FailedOperation.PartSeparate	Failed to isolate all or part of servers.
FailedOperation.ProcessTaskNotFound	The real-time process pulling task does not exist.
FailedOperation.Recover	Failed to recover the trojan.
FailedOperation.RescanVul	Failed to scan for vulnerabilities again.
FailedOperation.RescanVulProcessInUse	The server already has a rescan task in progress.
FailedOperation.SingleSeparate	Failed to isolate a single server.
InvalidParameter.DateRange	The time range format is incorrect.
InvalidParameter.IllegalRequest	Invalid request.
InvalidParameter.InvalidFormat	Incorrect parameter format.
InvalidParameter.MissingParameter	Missing parameter.
InvalidParameter.ParsingError	Parameter parsing error.
InvalidParameterValue.TagNameLengthLimit	The tag name cannot contain more than 15 characters.
LimitExceeded.AreaQuota	The maximum number of entries to be added in batches is exceeded.