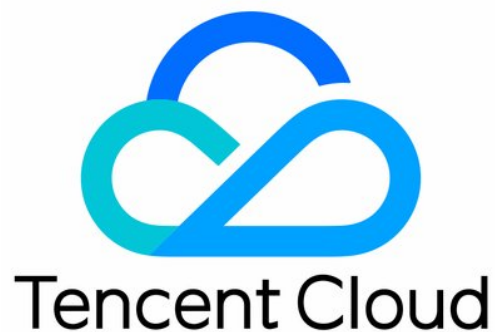


Tencent Cloud Elastic Microservice

API Documentation

Product Documentation



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Last updated : 2023-12-04 16:38:12

Release 13

Release time: 2023-12-04 16:37:23

Release updates:

Improvement to existing documentation.

Modified APIs:

- [RollingUpdateApplicationByVersion](#)
 - New input parameters:Force

Release 12

Release time: 2023-03-24 10:16:08

Release updates:

Improvement to existing documentation.

Modified data structures:

- [EksService](#)
 - New members:ExternalDomain
- [IngressInfo](#)
 - New members:Domain
- [ServicePortMapping](#)
 - New members:ExternalDomain

Release 11

Release time: 2023-03-14 16:10:09

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateEnvironment](#)
 - New input parameters: SetupVpc, SetupPrometheus, PrometheusId, ApmId
 - **Modified input parameters:** Vpc, SubnetIds

Modified data structures:

- [LogConfigExtractRule](#)
 - New members: Backtracking, Delimiter
- [ServiceVersionBrief](#)
 - New members: RegionId
- [TemEnvironmentStartingStatus](#)
 - New members: StartFailedApplicationNum
- [TemEnvironmentStoppingStatus](#)
 - New members: StopFailedApplicationNum
- [TemServiceVersionInfo](#)
 - New members: PreStopEncoded, PostStartEncoded

Release 10

Release time: 2023-01-11 16:58:11

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateApplicationAutoscaler](#)
- [CreateApplicationService](#)
- [CreateConfigData](#)
- [CreateLogConfig](#)
- [DeleteApplicationAutoscaler](#)
- [DeleteApplicationService](#)
- [DescribeApplicationAutoscalerList](#)
- [DescribeApplicationInfo](#)
- [DescribeApplicationServiceList](#)
- [DescribeApplications](#)

- [DescribeConfigData](#)
- [DescribeConfigDataList](#)
- [DescribeEnvironment](#)
- [DescribeEnvironmentStatus](#)
- [DescribeLogConfig](#)
- [DescribePagedLogConfigList](#)
- [DestroyConfigData](#)
- [DestroyLogConfig](#)
- [DisableApplicationAutoscaler](#)
- [EnableApplicationAutoscaler](#)
- [ModifyApplicationAutoscaler](#)
- [ModifyApplicationService](#)
- [ModifyConfigData](#)
- [ModifyLogConfig](#)

Modified APIs:

- [CreateApplication](#)
 - New input parameters:Tags
- [CreateEnvironment](#)
 - New input parameters:Tags, EnvType, CreateRegion
- [DescribeEnvironments](#)
 - New input parameters:Filters, SortInfo, EnvironmentId
- [ModifyEnvironment](#)
 - New input parameters:EnvType

New data structures:

- [Autoscaler](#)
- [ConfigData](#)
- [DescribeConfigDataListPage](#)
- [LogConfig](#)
- [LogConfigExtractRule](#)
- [LogConfigListPage](#)
- [NamespaceInfo](#)
- [NamespaceStatusInfo](#)
- [NodeInfo](#)
- [QueryFilter](#)
- [ServicePage](#)

- [ServicePortMapping](#)
- [ServicePortMappingItem](#)
- [SortType](#)
- [Tag](#)
- [TemEnvironmentStartingStatus](#)
- [TemEnvironmentStoppingStatus](#)
- [TemService](#)
- [TemServiceVersionInfo](#)
- [WorkloadInfo](#)

Modified data structures:

- [EksService](#)
 - New members:ServicePortMappingList, FlushAll, EnableRegistryNextDeploy, ApplicationId, AllIpDone
- [HorizontalAutoscaler](#)
 - New members:DoubleThreshold
- [NamespacePage](#)
 - New members:Current
- [RunVersionPod](#)
 - New members:NodeInfo, StartTime, Unhealthy, UnhealthyWarningMsg, VersionId, ApplicationName
- [ServiceVersionBrief](#)
 - New members:BatchDeployStatus, Zones, NodeInfos, PodList, WorkloadInfo, CreateDate
- [TemNamespaceInfo](#)
 - New members:Appld, Uin, SubAccountUin, ClusterId, Tags, HasAuthority, EnvType, RegionId

Release 9

Release time: 2022-09-23 18:10:19

Release updates:

Improvement to existing documentation.

New APIs:

- [DestroyEnvironment](#)

Modified APIs:

- [CreateApplication](#)
 - New input parameters:UseDefaultImageServiceParameters

- [DeployApplication](#)
 - New input parameters:EnableMetrics, TcrInstanceId, RepoServer, RepoType

New data structures:

- [UseDefaultRepoParameters](#)

Modified data structures:

- [PortMapping](#)
 - New members:ServiceName

Release 8

Release time: 2022-07-14 11:21:07

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeApplicationsStatus](#)

New data structures:

- [ServiceVersionBrief](#)

Release 7

Release time: 2022-07-04 10:47:38

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DeployApplication](#)
 - New input parameters:EnableTracing

Modified data structures:

- [HorizontalAutoscaler](#)

- New members:Enabled
- **Modified members:** MinReplicas, MaxReplicas, Metrics, Threshold

Release 6

Release time: 2022-06-24 10:41:04

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateApplication](#)
- [DeleteApplication](#)

Release 5

Release time: 2022-05-06 10:14:39

Release updates:

Improvement to existing documentation.

Deleted APIs:

- CreateApplication
- DeleteApplication

Modified APIs:

- [CreateResource](#)
 - New input parameters:ResourceFrom, ResourceConfig
- [DeployApplication](#)
 - New input parameters:EnablePrometheusConf

New data structures:

- [EnablePrometheusConf](#)

Modified data structures:

- [IngressInfo](#)

- New members:RewriteType
- [MountedSettingConf](#)
 - New members:SecretDataName
- [Pair](#)
 - New members:Secret

Release 4

Release time: 2022-03-15 11:05:51

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DeployApplication](#)
 - New input parameters:OsFlavour

Modified data structures:

- [DeployStrategyConf](#)
 - New members:Force

Release 3

Release time: 2022-02-23 10:51:34

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DeployApplication](#)
 - New input parameters:ConfEdited, SpeedUp, StartupProbe

Modified data structures:

- [DeployStrategyConf](#)
 - New members:MinAvailable
- [Pair](#)

- New members:Type, Config
- [TemNamespaceInfo](#)
 - New members:Locked

Release 2

Release time: 2022-02-11 16:11:08

Release updates:

Improvement to existing documentation.

New APIs:

- [DeleteApplication](#)
- [RestartApplication](#)
- [RollingUpdateApplicationByVersion](#)
- [StopApplication](#)

Release 1

Release time: 2021-08-25 15:10:31

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateApplication](#)
- [CreateCosToken](#)
- [CreateEnvironment](#)
- [CreateResource](#)
- [DeleteIngress](#)
- [DeployApplication](#)
- [DescribeApplicationPods](#)
- [DescribeEnvironments](#)
- [DescribeIngress](#)
- [DescribeIngresses](#)
- [DescribeRelatedIngresses](#)
- [GenerateApplicationPackageDownloadUrl](#)

- [ModifyApplicationInfo](#)
- [ModifyEnvironment](#)
- [ModifyIngress](#)
- [RestartApplicationPod](#)

New data structures:

- [CosToken](#)
- [CronHorizontalAutoscaler](#)
- [CronHorizontalAutoscalerSchedule](#)
- [DeployStrategyConf](#)
- [DescribeRunPodPage](#)
- [EksService](#)
- [EsInfo](#)
- [HealthCheckConfig](#)
- [HorizontalAutoscaler](#)
- [IngressInfo](#)
- [IngressRule](#)
- [IngressRuleBackend](#)
- [IngressRulePath](#)
- [IngressRuleValue](#)
- [IngressTls](#)
- [LogOutputConf](#)
- [MountedSettingConf](#)
- [NamespacePage](#)
- [Pair](#)
- [PortMapping](#)
- [RunVersionPod](#)
- [StorageConf](#)
- [StorageMountConf](#)
- [TemNamespaceInfo](#)

Introduction

Last updated : 2022-09-23 18:16:45

Tencent Cloud Elastic Microservice (TEM) is a serverless PaaS platform designed for microservice applications. It provides a wide range of capabilities such as application hosting, service registration and discovery, microservice governance, and multidimensional monitoring. Moreover, with serverless IaaS resources, it allows for auto-scaling of microservices, which significantly reduces your Ops resource costs.

API Category

Last updated : 2023-12-04 16:38:12

Environment APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateEnvironment	Creates an environment	20
DescribeEnvironment	Obtains the basic information of an environment	20
DescribeEnvironmentStatus	Obtains the environment status.	20
DescribeEnvironments	Obtains the list of environments.	20
DestroyEnvironment	Terminates an environment.	20
ModifyEnvironment	Edits an environment	20

Gateway APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeIngresses	Queries the list of ingress rules	20
DescribeRelatedIngresses	Queries the list of ingress rules associated with the application	20
DeleteIngress	Deletes an ingress rule	20
DescribeIngress	Queries an ingress rule	20
ModifyIngress	Creates or updates an ingress rule	20

Resource APIs

--	--	--

API Name	Feature	Frequency Limit (maximum requests per second)
CreateResource	Binds a cloud resource	20

Application APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateApplication	Creates an application	20
GenerateApplicationPackageDownloadUrl	Generates the pre-signed download URL for the specified application package	20
ModifyApplicationInfo	Modifies the basic information of an application	20

Service APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeApplications	Queries the list of running applications.	20

Workload APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeployApplication	Deploys an application	20
DescribeApplicationInfo	Checks the basic information of an application.	20
DescribeApplicationPods	Gets the list of application pods	20
RestartApplicationPod	Restarts an application pod	20

RollingUpdateApplicationByVersion	Configures the rolling update policy for an application	20
---	---	----

Access Policy APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateApplicationService	Adds an access policy	20
DeleteApplicationService	Deletes an access policy	20
DescribeApplicationServiceList	Queries the list of access policies	20
ModifyApplicationService	Modifies an access policy	20

Configuration file APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateConfigData	Creates a configuration	20
DescribeConfigData	Queries details of a configuration.	20
DescribeConfigDataList	Queries the list of configurations.	20
DestroyConfigData	Terminates a configuration.	20
ModifyConfigData	Modify a configuration.	20

Log collecting APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateLogConfig	Creates a log collecting	20

	configuration.	
DescribeLogConfig	Queries details of a log collecting configuration.	20
DescribePagedLogConfigList	Queries the list of log collecting configurations	20
DestroyLogConfig	Terminates a log collecting configuration.	20
ModifyLogConfig	Modifies a log collecting configuration.	20

Scaling Rule APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateApplicationAutoscaler	Creates a scaling rule	20
DeleteApplicationAutoscaler	Deletes a scaling rule	20
DescribeApplicationAutoscalerList	Queries the scaling rules of an application.	20
DisableApplicationAutoscaler	Disables a scaling rule	20
EnableApplicationAutoscaler	Enables a scaling rule	20
ModifyApplicationAutoscaler	Modifies a scaling rule.	20

Application Version APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeleteApplication	Deletes an application	20
DescribeApplicationsStatus	Queries the status of all applications in an environment	20
RestartApplication	Restarts an application	20

StopApplication	Stops an application	20
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Other APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateCosToken	Generates a COS temporary key	20

Making API Requests

Request Structure

Last updated : 2023-03-14 16:12:43

1. Service Address

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

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

2. Communications Protocol

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

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

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

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

4. Character Encoding

Only UTF-8 encoding is used.

Common Params

Last updated : 2023-12-04 16:38:12

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

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

Common parameters for Signature Algorithm v3

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

Parameter Name	Type	Required	Description
X-TC-Action	String	Yes	The name of the API for the desired operation. For the specific value, see description of common parameter <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
X-TC-Region	String	Yes	Region parameter, which is used to identify the region to which the data you work with belongs. For values supported for an API, see the description of common parameter <code>Region</code> in the input parameters in related API documentation. This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even it is passed.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request is sent. For example, 1529223702. Note: If the difference between the UNIX timestamp and server time is greater than 5 minutes, a signature expiration error may occur.
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the common parameter <code>Version</code> in the API documentation. For example, the version is 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request/Region, 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 the UNIX timestamp, 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. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

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

Example of an HTTP GET request structure:

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

Authorization: TC3-HMAC-SHA256 Credential=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=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
Content-Type: application/json
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

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

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

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

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

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

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

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

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

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

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

```
--58731222010402
```

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

```
0
```

```
--58731222010402
```

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

```
10
```

```
--58731222010402--
```

Common parameters for Signature Algorithm v1

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

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

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

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

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bb224158d66e7ae5fcadb70b2d181d02&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=37ac2f4fde00b0ac9bd9eadeb459b1bbec224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

Region List

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

Region	Value
North China (Beijing)	ap-beijing
Southwest China (Chengdu)	ap-chengdu
South China (Guangzhou)	ap-guangzhou
Hong Kong/Macao/Taiwan (Hong Kong, China)	ap-hongkong
East China (Nanjing)	ap-nanjing
Northeast Asia Pacific (Seoul)	ap-seoul
East China (Shanghai)	ap-shanghai
Southeast Asia Pacific (Singapore)	ap-singapore
Northeast Asia Pacific (Tokyo)	ap-tokyo

Signature v3

Last updated : 2021-09-02 10:50:53

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

`[{"Values": ["unnamed"], "Name": "instance-name"}]` in this example
 The pseudocode for calculation is
 Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the payload of the HTTP request, performing hexadecimal encoding, and finally converting the encoded string to lowercase letters. For GET requests, `RequestPayload` is always an empty string. The calculation result in this example is
`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

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

POST

/

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

host:cvm.tencentcloudapi.com

content-type;host

`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

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

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

HashedCanonicalRequest

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

```
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad
```

Note:

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

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

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

3. Calculating the Signature

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

```
SecretKey = "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., <code>Gu5t9xGARNpq86cd98joQYCN3*****</code> .
Date	The Date field information in <code>Credential</code> , such as <code>2019-02-25</code> in this example.

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

2. Calculate the signature with the following pseudocode:

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

4. Concatenating the Authorization

The Authorization is concatenated as follows:

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

Field Name	Explanation
Algorithm	Signature algorithm, which is always <code>TC3-HMAC-SHA256</code> .
SecretId	The SecretId in the key pair, i.e., <code>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.utcfromtimestamp(timestamp).strftime("%Y-%m-%d")
params = {"Limit": 1, "Filters": [{"Name": "instance-name", "Values": ["unnamed"]}]}

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

```

```

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

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

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

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

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

```

Golang

```
package main

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

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

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

func main() {
    secretId := "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
$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* const lut = "0123456789abcdef";  
    size_t len = input.length();  
  
    string output;  
    output.reserve(2 * len);  
    for (size_t i = 0; i < len; ++i)  
    {  
        const unsigned char c = input[i];  
        output.push_back(lut[c >> 4]);  
        output.push_back(lut[c & 15]);  
    }  
}
```

```
return output;
}

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

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

// ***** Step 1: Concatenate the CanonicalRequest string *****
string httpRequestMethod = "POST";
string canonicalUri = "/";
string canonicalQueryString = "";
string canonicalHeaders = "content-type:application/json; charset=utf-8\nhost:" +
host + "\n";
string signedHeaders = "content-type;host";
string payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name\": \"instance-name\"}] }";
string hashedRequestPayload = sha256Hex(payload);
string canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + 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*****';  
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Timestamp=1465185768&Version=2017-03-12';  
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));  
echo $signStr;
```

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

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

3. Encoding a Signature String

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

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

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

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

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

4. Signature Failure

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

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

5. Signature Demo

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

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

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

The final output URL might be: `https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceId=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 enables automatic sorting
    // A random number should be used when actually calling, for example: params.put("Nonce", new Random().nextInt(Integer.MAX_VALUE));
    params.put("Nonce", 11886); // Common parameter
    // The current time of the system should be used when actually calling, for example: params.put("Timestamp", System.currentTimeMillis() / 1000);
    params.put("Timestamp", 1465185768); // Common parameter
    params.put("SecretId", "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"); // Common parameter
    params.put("Action", "DescribeInstances"); // Common parameter
    params.put("Version", "2017-03-12"); // Common parameter
    params.put("Region", "ap-guangzhou"); // Common parameter
    params.put("Limit", 20); // Business parameter
    params.put("Offset", 0); // Business parameter
    params.put("InstanceIds.0", "ins-09dx96dg"); // Business parameter
    params.put("Signature", sign(getStringToSign(params), "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

Last updated : 2021-08-25 16:59:56

Response for Successful Requests

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

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

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

Response for Failed Requests

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

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

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

Common Error Codes

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

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

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

Environment APIs

DescribeEnvironmentStatus

Last updated : 2023-12-04 16:38:18

1. API Description

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

This API is used to obtain the environment status.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeEnvironmentStatus.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentIds.N	Yes	Array of String	ID of the environment
SourceChannel	No	Integer	Source channel

3. Output Parameters

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

4. Example

Example1 Obtaining the environment status

Obtaining the environment status

Input Example

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

{
  "EnvironmentIds": [
    "xx"
  ],
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "Result": [
      {
        "EnvironmentId": "xx",
        "EnvironmentName": "xx",
        "ClusterId": "xx",
        "EnvironmentStoppingStatus": {
          "StoppedApplicationNum": 0,
          "ApplicationNumNeedToStop": 0
        },
        "ClusterStatus": "xx",

```

```
"EnvironmentStartingStatus": {  
  "ApplicationNumNeedToStart": 0,  
  "StartedApplicationNum": 0  
}  
},  
"RequestId": "xx"  
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.ActionReadTimeout	Request timed out
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.

ResourceNotFound.NamespaceNotFound	The environment does not exist.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeEnvironment

Last updated : 2023-12-04 16:38:18

1. API Description

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

This API is used to obtain the basic information of an environment.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeEnvironment.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Namespace ID
SourceChannel	No	Integer	Source channel

3. Output Parameters

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

Name		
Result	NamespaceInfo	Environment information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Obtaining the environment status

This example shows you how to obtain the environment status.

Input Example

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

{
  "EnvironmentId": "xx",
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "EnvironmentId": "xx",
      "VpcId": "xx",
      "Locked": 0,
      "Description": "xx",
      "EnvironmentName": "xx",
      "NamespaceName": "xx",
      "Region": "xx",
      "Tags": [
        {
          "TagKey": "xx",
          "TagValue": "xx"
        }
      ],
    },
  },
}
```

```
"ApmInstanceId": "xx",
"CreateDate": "xx",
"SubnetIds": [
  "subnet-xxx"
],
},
"RequestId": "xx"
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.NamespaceNotFound	The environment does not exist.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.

MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

ModifyEnvironment

Last updated : 2023-12-04 16:38:17

1. API Description

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

This API is used to edit an environment.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyEnvironment.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
EnvironmentName	No	String	Environment name
Description	No	String	Environment description
Vpc	No	String	VPC name
SubnetIds.N	No	Array of String	Subnets

SourceChannel	No	Integer	Source channel
EnvType	No	String	Environment type. Values: <code>test</code> , <code>pre</code> , <code>prod</code>

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Environment ID in case of success and <code>null</code> in case of failure Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Editing namespace

This example shows you how to edit a namespace.

Input Example

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

{
  "EnvironmentName": "xx",
  "Description": "xx",
  "EnvironmentId": "xx",
  "SubnetIds": [
    "xx"
  ],
  "SourceChannel": 0,
  "Vpc": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.AddNewNodeError	Exception occurs while adding the subnet/virtual node
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InvalidParameterValue.EnvironmentNameImmutable	The environment name cannot be changed.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.

OperationDenied.ResourceIsolated	There're overdue payments under your account. Please make the payment first.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeEnvironments

Last updated : 2023-12-04 16:38:18

1. API Description

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

This API is used to obtain the list of environments.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeEnvironments.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Limit	No	Integer	Pagination limit
Offset	No	Integer	Page offset
SourceChannel	No	Integer	Source
Filters.N	No	Array of QueryFilter	Filters for query
SortInfo	No	SortType	Sorting field

EnvironmentId	No	String	Environment ID
---------------	----	--------	----------------

3. Output Parameters

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

4. Example

Example1 Obtaining the list of environments

This example shows you how to obtain the list of environments.

Input Example

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

{}
```

Output Example

```
{
  "Response": {
    "Result": {
      "Current": 0,
      "Records": [
        {
          "SubAccountUin": "xx",
          "Channel": "xx",
          "Status": 0,
          "EnvironmentName": "xx",
          "HasAuthority": true,
          "ModifyDate": "xx",

```

```
"Description": "xx",
"Tags": [
{
"TagKey": "xx",
"TagValue": "xx"
}
],
"RegionId": "xx",
"ClusterId": "xx",
"RunInstancesNum": 0,
"Vpc": "xx",
"SubnetId": "xx",
"CreateDate": "xx",
"Locked": 0,
"Region": "xx",
"EnableTswTraceService": true,
"Modifier": "xx",
"EnvironmentId": "xx",
"Creator": "xx",
"EnvType": "xx",
"Uin": "xx",
"AppId": "xx",
"ClusterStatus": "xx",
"ApplicationNum": 0
}
],
"Total": 0,
"Pages": 0,
"Size": 0
},
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.ActionReadTimeout	Request timed out
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InvalidParameterValue.InvalidTenantInfo	Unable to identify the tenant information
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.NamespaceNotFound	The environment does not exist.

CreateEnvironment

Last updated : 2023-12-04 16:38:18

1. API Description

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

This API is used to create an environment.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateEnvironment.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentName	Yes	String	Environment name
Description	No	String	Environment description
Vpc	No	String	VPC name
SubnetIds.N	No	Array of String	List of subnets
K8sVersion	No	String	Kubernetes version

SourceChannel	No	Integer	Source channel
EnableTswTraceService	No	Boolean	Whether to enable the TSW service
Tags.N	No	Array of Tag	Tag
EnvType	No	String	Environment type. Values: <code>test</code> , <code>pre</code> , <code>prod</code>
CreateRegion	No	String	The region to create the environment
SetupVpc	No	Boolean	Whether to create a VPC
SetupPrometheus	No	Boolean	Whether to create a TMP instance
PrometheusId	No	String	TMP instance ID
ApmId	No	String	APM ID

3. Output Parameters

Parameter Name	Type	Description
Result	String	Environment ID in case of success and <code>null</code> in case of failure Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating environment (namespace)

This example shows you how to create an environment (namespace).

Input Example

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

```
{
  "EnvironmentName": "xx",
  "Description": "xx",
  "K8sVersion": "xx",
  "SubnetIds": [
    "xx"
  ],
  "EnableTswTraceService": true,
  "SourceChannel": 0,
  "Vpc": "xx"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": "env-xxxx"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.DefaultInternalError	The server is busy. Retry later.
InternalError.CreateEksClusterError	Failed to create the underlayer cluster
InternalError.DefaultInternalError	The server is busy. Retry later.
InvalidParameter.UnauthorizedOrMissingRole	Not authorized or role not configured
InvalidParameter.VpcOverQuota	Auto-creation failed because the VPC upper limit is reached.
InvalidParameterValue.CreateNamespaceUnsupportRegionError	
InvalidParameterValue.DailyCreateNamespaceReachMaximum	Reached the upper limit of environment created every day
InvalidParameterValue.NamespaceDuplicateError	The environment already exists.
InvalidParameterValue.NamespaceReachMaximum	Failed to create the environment. The upper limit of environment is reached.
MissingParameter.EnvironmentNameNull	The environment name is required.
OperationDenied.BalanceNotEnough	Insufficient account balance.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DestroyEnvironment

Last updated : 2023-12-04 16:38:17

1. API Description

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

This API is used to terminate an environment.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DestroyEnvironment.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Namespace ID.
SourceChannel	No	Integer	Namespace

3. Output Parameters

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

Name		
Result	Boolean	Returned result.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Terminating an environment

This example shows you how to terminating an environment

Input Example

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

{
  "EnvironmentId": "xx",
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceInUse.EnvironmentAlreadyLocked	The environment is locked.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

Resource APIs

CreateResource

Last updated : 2023-12-04 16:38:15

1. API Description

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

This API is used to bind a cloud resource.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateResource.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
ResourceType	Yes	String	Resource type. Valid values: <code>CFS</code> (file system), <code>CLS</code> (log service), <code>TSE_SRE</code> (registry)
ResourceId	Yes	String	Resource ID
SourceChannel	No	Integer	Source channel

ResourceFrom	No	String	Source of the resource. Values: <code>existing</code> (choose an existing resource), <code>creating</code> (create a new resource)
ResourceConfig	No	String	Resource extra configuration

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Result Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating environment (namespace)

This example shows you how to create an environment (namespace).

Input Example

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

{
  "ResourceType": "xx",
  "EnvironmentId": "xx",
  "SourceChannel": 0,
  "ResourceId": "xx"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
```

```
"Result": true
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.DefaultInternalError	The server is busy. Retry later.
InternalServerError.DefaultInternalError	The server is busy. Retry later.
InvalidParameterValue.NamespaceReachMaximum	Failed to create the environment. The upper limit of environment is reached.
InvalidParameterValue.NamespaceResourceReachMaximum	Failed to create the environment. The upper limit of environment is reached.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.

InvalidParameterValue.VpcInvalid	Invalid VPC. It should be the same as the environment VPC.
ResourceInUse.ResourceAlreadyUsed	This resource is already bound.
ResourceNotFound.NamespaceNotFound	The environment does not exist.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

ModifyIngress

DescribeRelatedIngresses

Last updated : 2023-12-04 16:38:17

1. API Description

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

This API is used to query the list of ingress rules associated with the application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRelatedIngresses.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	No	String	Environment ID
ClusterNamespace	No	String	Environment namespace
SourceChannel	No	Integer	Source channel
ApplicationId	No	String	Application ID

3. Output Parameters

Parameter Name	Type	Description
Result	Array of IngressInfo	Ingress array Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
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 ingress rules associated with the service

This example shows you how to get the list of ingress rules associated with the service.

Input Example

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

{
  "EnvironmentId": "xx",
  "ClusterNamespace": "xx",
  "ApplicationId": "xx",
  "SourceChannel": 0,
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": [
      {
        "ClusterId": "cls-9lxt9ic2",
        "AddressIPVersion": "IPV4",
        "ClbId": "clb-xxxx",
      }
    ]
  }
}
```

```
"Vip": "10.10.10.10",
"Mixed": true,
"Rules": [
{
  "Host": "",
  "Http": {
    "Paths": [
      {
        "Path": "/",
        "Backend": {
          "ServiceName": "kubernetes",
          "ServicePort": 443
        }
      }
    ]
  }
},
],
"Tls": [
{
  "Hosts": [
    "xxx.com"
  ],
  "SecretName": "xxx"
}
]
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DescribeServiceIngressError	Failed to query the list of ingress associated with the service.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
MissingParameter.ServiceIdNull	The service ID cannot be empty.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.

DescribeIngresses

Last updated : 2023-12-04 16:38:17

1. API Description

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

This API is used to query the list of ingress rules.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeIngresses.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	No	String	Environment ID
ClusterNamespace	No	String	Environment namespace
SourceChannel	No	Integer	Source channel
IngressNames.N	No	Array of String	Ingress rule name list

3. Output Parameters

Parameter Name	Type	Description
Result	Array of IngressInfo	Ingress array Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
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 ingress rules

This example shows you how to get the list of ingress rules.

Input Example

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

{
  "ClusterNamespace": "xx",
  "EnvironmentId": "xx",
  "IngressNames": [
    "xx"
  ],
  "SourceChannel": 0,
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": [
      {
        "ClusterId": "cls-9lxt9ic2",
```

```
"AddressIPVersion": "IPv4",
"ClbId": "clb-xxxx",
"Vip": "10.10.10.10",
"Rules": [
{
  "Host": "",
  "Http": {
    "Paths": [
{
  "Path": "/",
  "Backend": {
    "ServiceName": "kubernetes",
    "ServicePort": 443
  }
}
]
}
},
],
"Tls": [
{
  "Hosts": [
    "xxx.com"
  ],
  "SecretName": "xxx"
}
]
}
]
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.DescribeServiceListError	Failed to query the service list
InternalError.DescribeServiceListError	Failed to query the service list
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.

ModifyIngress

Last updated : 2023-12-04 16:38:16

1. API Description

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

This API is used to create or update an ingress rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyIngress.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Ingress	Yes	IngressInfo	Ingress rule configuration
SourceChannel	No	Integer	Source channel

3. Output Parameters

Parameter Name	Type	Description

Result	Boolean	Created successfully. Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating or updating ingress rule

This example shows you how to create or update an ingress rule.

Input Example

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

```
{
  "SourceChannel": 0,
  "Ingress": {
    "Tls": [
      {
        "CertificateId": "xx",
        "Hosts": [
          "xxx.com"
        ],
        "SecretName": "xx"
      }
    ],
    "EnvironmentId": "xx",
    "ClusterNamespace": "xx",
    "Rules": [
      {
        "Protocol": "xx",
        "Host": "xx",
        "Http": {
          "Paths": [
            {
              "Path": "xx",
              "Backend": {
                "ServiceName": "xx",
                "ServicePort": 443
              }
            }
          ]
        }
      }
    ]
  }
}
```

```
}
}
]
}
}
],
"ClbId": "xx",
"ClusterId": "xx",
"IngressName": "xx",
"Vip": "xx",
"Mixed": true,
"AddressIPVersion": "xx",
"CreateTime": "xx"
}
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.UpdateIngressError	Failed to update the ingress
InternalError.UpdateIngressError	Failed to update the ingress
InvalidParameterValue.IngressRewriteRequiredHttpsEnable	To enable access configuration redirection, you need to enable HTTPS.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeIngress

Last updated : 2023-12-04 16:38:17

1. API Description

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

This API is used to query an ingress rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeIngress.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
ClusterNamespace	Yes	String	Environment namespace
IngressName	Yes	String	Ingress rule name
SourceChannel	No	Integer	Source channel

3. Output Parameters

--	--	--

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

4. Example

Example1 Querying ingress rule

This example shows you how to query an ingress rule.

Input Example

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

{
  "EnvironmentId": "xx",
  "ClusterNamespace": "xx",
  "SourceChannel": 0,
  "IngressName": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "Tls": [
        {
          "CertificateId": "xx",
          "Hosts": [
            "xxx.com"
          ],
          "SecretName": "xx"
        }
      ],
      "EnvironmentId": "xx",
```

```
"ClusterNamespace": "xx",
"Rules": [
{
  "Protocol": "xx",
  "Host": "xx",
  "Http": {
    "Paths": [
      {
        "Path": "xx",
        "Backend": {
          "ServiceName": "xx",
          "ServicePort": 443
        }
      }
    ]
  }
}
],
"ClbId": "xx",
"ClusterId": "xx",
"IngressName": "xx",
"Vip": "xx",
"Mixed": true,
"AddressIPVersion": "xx",
"CreateTime": "xx"
},
"RequestId": "xx"
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError.DescribeIngressError	Failed to query the ingress.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DeleteIngress

Last updated : 2023-12-04 16:38:17

1. API Description

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

This API is used to delete an ingress rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteIngress.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
ClusterNamespace	Yes	String	Environment namespace
IngressName	Yes	String	Ingress rule name
SourceChannel	No	Integer	Source channel

3. Output Parameters

--	--	--

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

4. Example

Example1 Querying ingress rule

This example shows you how to query an ingress rule.

Input Example

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

{
  "EnvironmentId": "xx",
  "ClusterNamespace": "xx",
  "SourceChannel": 0,
  "IngressName": "xx"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DeleteIngressError	Failed to delete the ingress
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

Application APIs

ModifyApplicationInfo

Last updated : 2023-12-04 16:38:20

1. API Description

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

This API is used to modify the basic information of an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyApplicationInfo.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
Description	Yes	String	Description
SourceChannel	No	Integer	Source channel
EnableTracing	No	Integer	(Disused) Whether to enable the call chain.

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Success or not Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying a service's basic information

This example shows you how to modify a service's basic information.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "Description": "xx",
  "EnableTracing": 1
}
```

Output Example

```
{
  "Response": {
    "Result": "xx",
    "RequestId": "true"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.CreateApmResourceError	Failed to create the APM resource
InternalServerError.CreateServiceError	Failed to create the service.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.ServiceNotFound	The application is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

GenerateApplicationPackageDownloadUrl

Last updated : 2023-12-04 16:38:20

1. API Description

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

This API is used to generate the pre-signed download URL for the specified application package.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: GenerateApplicationPackageDownloadUrl.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
PkgName	Yes	String	Package name
DeployVersion	Yes	String	Version of the package to download
SourceChannel	No	Integer	Source channel

3. Output Parameters

Parameter Name	Type	Description
Result	String	Temp download URL for the package Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Generating the pre-signed download URL for the specified application package

This example shows you how to generate the pre-signed download URL for the specified application package.

Input Example

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

{
  "PkgName": "xx",
  "DeployVersion": "xx",
  "ApplicationId": "xx",
  "SourceChannel": 0,
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": {}
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
UnauthorizedOperation.UnauthorizedOperation	Not authorized

CreateApplication

Last updated : 2023-12-04 16:38:20

1. API Description

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

This API is used to create an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateApplication.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationName	Yes	String	Application name
Description	Yes	String	Description
UseDefaultImageService	No	Integer	Whether to use the

			default image service. 1 : yes; 0 : no
RepoType	No	Integer	Type of the bound repository. 0 : TCR Personal; 1 : TCR Enterprise
InstanceId	No	String	TCR Enterprise instance ID
RepoServer	No	String	Address of the bound image server
RepoName	No	String	Name of the bound image repository
SourceChannel	No	Integer	Source channel
SubnetList.N	No	Array of String	Application subnet
CodingLanguage	No	String	Programming language - JAVA - OTHER
DeployMode	No	String	Deployment mode - IMAGE - JAR - WAR
EnableTracing	No	Integer	Whether to enable APM tracing for the Java application. 1 : Enable, 0 : Disable
UseDefaultImageServiceParameters	No	UseDefaultRepoParameters	Parameters of the default image service
Tags.N	No	Array of Tag	Tag

3. Output Parameters

Parameter Name	Type	Description

Result	String	ID of the created application
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating an application

This example shows you how to create an application.

Input Example

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

```
{
  "ApplicationName": "xx",
  "SubnetList": [
    "xx"
  ],
  "Description": "xx",
  "InstanceId": "xx",
  "DeployMode": "xx",
  "RepoServer": "xx",
  "SourceChannel": 0,
  "RepoType": 0,
  "RepoName": "xx",
  "UseDefaultImageService": 0,
  "CodingLanguage": "xx"
}
```

Output Example

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

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.CreateServiceError	Failed to create the service.
FailedOperation.DefaultInternalError	The server is busy. Retry later.
InternalError.ActionReadTimeout	Request timed out
InternalError.CreateServiceError	Failed to create the service.
InternalError.DefaultInternalError	The server is busy. Retry later.
InternalError.TagInterfaceError	Exception while calling the tag-related APIs.
InvalidParameterValue.InvalidServiceName	Invalid application name
InvalidParameterValue.PublicRepoTypeParameterError	Public image parameter error
InvalidParameterValue.ServiceLowerCase	The application name must be in lowercase.

InvalidParameterValue.ServiceNameDuplicateError	This application name already exists.
InvalidParameterValue.ServiceReachMaximum	Failed to create the application. The upper limit is reached.
InvalidParameterValue.TcrEntInstanceNameNotValid	The TCR Enterprise instance name is invalid.
MissingParameter.TcrEntInstanceNameNull	The TCR Enterprise instance name is required.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
UnauthorizedOperation.UnauthorizedOperation	Not authorized
UnsupportedOperation.UnsupportAction	ACTION not supported

RollingUpdateApplicationByVersionRestartApplicationPod

Last updated : 2023-12-04 16:38:13

1. API Description

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

This API is used to restart an application pod.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: RestartApplicationPod.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
ApplicationId	Yes	String	Application ID
PodName	Yes	String	Name
Limit	No	Integer	Number of items per page

Offset	No	Integer	Page offset
Status	No	String	Pod status
SourceChannel	No	Integer	Source channel

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Returned result Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Restarting an instance

This example shows you how to restart an instance.

Input Example

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

{
  "Status": "xx",
  "EnvironmentId": "xx",
  "Offset": 0,
  "SourceChannel": 0,
  "Limit": 0,
  "PodName": "xx",
  "ApplicationId": "xx"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeApplicationPods

Last updated : 2023-12-04 16:38:13

1. API Description

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

This API is used to get the list of application pods.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeApplicationPods.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
ApplicationId	Yes	String	Application ID
Limit	No	Integer	Number of items per page. Default value: 20
Offset	No	Integer	Page number. Default value: 0
Status	No	String	Pod status - Running

			- Pending - Error
PodName	No	String	Pod name
SourceChannel	No	Integer	Source channel

3. Output Parameters

Parameter Name	Type	Description
Result	DescribeRunPodPage	Returned result
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 application pods

This example shows you how to get the list of application pods.

Input Example

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

{
  "Status": "xx",
  "EnvironmentId": "xx",
  "Offset": 0,
  "SourceChannel": 0,
  "Limit": 0,
  "PodName": "xx",
  "ApplicationId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "TotalCount": 0,
      "Limit": 0,
      "RequestId": "xx",
      "PodList": [
        {
          "Webshell": "xx",
          "Status": "xx",
          "RestartCount": 0,
          "StartTime": "xx",
          "Zone": "xx",
          "PodId": "xx",
          "NodeInfo": {
            "SubnetId": "xx",
            "Cidr": "xx",
            "AvailableIpCount": "xx",
            "Name": "xx",
            "Zone": "xx"
          },
          "VersionId": "xx",
          "UnhealthyWarningMsg": "xx",
          "DeployVersion": "xx",
          "PodIp": "xx",
          "ContainerState": "xx",
          "Ready": true,
          "ApplicationName": "xx",
          "CreateTime": "xx",
          "Unhealthy": true
        }
      ],
      "Offset": 0
    },
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.DefaultInternalError	The server is busy. Retry later.
FailedOperation.DescribeRunPodListError	Failed to query the instance information
InternalError.DefaultInternalError	The server is busy. Retry later.
InternalError.DescribeRunPodListError	Failed to query the instance information
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DeployApplication

Last updated : 2023-12-04 16:38:13

1. API Description

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

This API is used to deploy an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeployApplication.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
InitPodNum	Yes	Integer	Number of initialized pods
CpuSpec	Yes	Float	CPU specification
MemorySpec	Yes	Float	Memory specification
EnvironmentId	Yes	String	Environment ID

ImgRepo	No	String	Image repository
VersionDesc	No	String	Version description
JvmOpts	No	String	Launch parameters
EsInfo	No	EsInfo	Auto scaling configuration (This field is disused. Please use <code>HorizontalAutoscaler</code> to set the auto scaling policy.)
EnvConf.N	No	Array of Pair	Environment variable configuration
LogConfs.N	No	Array of String	Log configuration
StorageConfs.N	No	Array of StorageConf	Data volume configuration
StorageMountConfs.N	No	Array of StorageMountConf	Data volume mount configuration
DeployMode	No	String	Deployment type - JAR: deployment through JAR package - WAR: deployment through WAR package - IMAGE: deployment through image
DeployVersion	No	String	When the deployment type is <code>IMAGE</code> , this parameter indicates the image tag When the deployment type is <code>JAR</code> or <code>WAR</code> , this parameter indicates the package version number
PkgName	No	String	Package name, which is required when using JAR or WAR packages for deployment
JdkVersion	No	String	JDK version - KONA: use KONA JDK - OPEN: use open JDK - KONA: use KONA JDK - OPEN: use open JDK
SecurityGroupIds.N	No	Array of String	Security group IDs
LogOutputConf	No	LogOutputConf	Log output configuration

SourceChannel	No	Integer	Source channel
Description	No	String	Version description
ImageCommand	No	String	Image command
ImageArgs.N	No	Array of String	Image command parameters
UseRegistryDefaultConfig	No	Boolean	Whether to add the registry's default configurations
SettingConfs.N	No	Array of MountedSettingConf	Mounting configurations
Service	No	EksService	Application access configuration
VersionId	No	String	ID of the version that you want to roll back to
PostStart	No	String	The script to run after startup
PreStop	No	String	The script to run before stop
Liveness	No	HealthCheckConfig	Configuration of aliveness probe
Readiness	No	HealthCheckConfig	Configuration of readiness probe
DeployStrategyConf	No	DeployStrategyConf	Configuration of batch release policies
HorizontalAutoscaler.N	No	Array of HorizontalAutoscaler	Auto scaling policy. (Disused. Please use APIs for auto scaling policy combinations)
CronHorizontalAutoscaler.N	No	Array of CronHorizontalAutoscaler	Scheduled scaling policy (Disused. Please use APIs for auto scaling policy combinations)
LogEnable	No	Integer	Specifies whether to enable logging. 1 : enable; 0 : do not enable
ConfEdited	No	Boolean	Whether the configuration is modified (except for the image configuration)
SpeedUp	No	Boolean	Whether the application acceleration is enabled
StartupProbe	No	HealthCheckConfig	Whether to enable probing

OsFlavour	No	String	The version of the operating system If <code>openjdk</code> is selected, the value can be: - ALPINE - CENTOS If <code>konajdk</code> is selected, the value can be: - ALPINE - TENCENTOS
EnablePrometheusConf	No	EnablePrometheusConf	Configuration of metrics of this application
EnableTracing	No	Integer	<code>1</code> : Automatically enable APM tracing (Skywalking) <code>0</code> : Disable APM tracing
EnableMetrics	No	Integer	<code>1</code> : Automatically enable metrics collection (open-telemetry) <code>0</code> : Disable metrics collection
TcrInstanceId	No	String	ID of the TCR instance used for image deployment
RepoServer	No	String	Image server address for image deployment
RepoType	No	Integer	Type of the repository. <code>0</code> : TCR Personal; <code>1</code> : TCR Enterprise; <code>2</code> : Public repository; <code>3</code> : TEM hosted repository; <code>4</code> : Demo repository

3. Output Parameters

Parameter Name	Type	Description
Result	String	Version ID (which can be ignored for the frontend)
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deploying an application

This example shows you how to deploy an application.

Input Example

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

```
{
  "Service": {
    "ApplicationName": "xx",
    "ExternalIp": "xx",
    "Name": "xx",
    "PortMappings": [
      {
        "Protocol": "xx",
        "TargetPort": 0,
        "Port": 0
      }
    ],
    "Yaml": "xx",
    "LoadBalanceId": "xx",
    "VersionName": "xx",
    "ClusterIp": [
      "xx"
    ],
    "SubnetId": "xx",
    "Type": "xx",
    "Ports": [
      0
    ]
  },
  "JvmOpts": "xx",
  "StorageConfs": [
    {
      "StorageVolName": "xx",
      "StorageVolIp": "xx",
      "StorageVolPath": "xx"
    }
  ],
}
```

```
"ImgRepo": "xx",
"EnvConf": [
{
  "Value": "xx",
  "Key": "xx"
}
],
"ImageCommand": "xx",
"Description": "xx",
"JdkVersion": "xx",
"ApplicationId": "xx",
"LogOutputConf": {
  "ClsLogTopicId": "xx",
  "ClsLogsetName": "xx",
  "ClsLogsetId": "xx",
  "ClsLogTopicName": "xx",
  "OutputType": "xx"
},
"UseRegistryDefaultConfig": true,
"CpuSpec": 0.0,
"DeployMode": "xx",
"SecurityGroupIds": [
  "xx"
],
"SourceChannel": 0,
"DeployVersion": "xx",
"InitPodNum": 1,
"VersionDesc": "xx",
"ImageArgs": [
  "xx"
],
"MemorySpec": 0.0,
"EnvironmentId": "xx",
"LogConfs": [
  "xx"
],
"PkgName": "xx",
"StorageMountConfs": [
{
  "VolumeName": "xx",
  "MountPath": "xx"
}
],
"EsInfo": {
  "MinAliveInstances": 0,
  "EsStrategy": 0,
  "VersionId": "xx",
```

```
"Threshold": 1,
"MaxAliveInstances": 2
},
"VersionId": "xx",
"SettingConfs": [
{
"ConfigDataName": "xx",
"MountedPath": "xx",
"Data": [
{
"Value": "xx",
"Key": "xx"
}
]
}
],
"OsFlavour": "ALPINE"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": "version-xxx"
  }
}
```

Example2 nanjing-test-20220111

This example shows you how to deploy an application.

Input Example

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

{
  "Service": {
    "Name": "String"
  },
  "JvmOpts": "Sting",
  "SpeedUp": "false",
```

```
"PreStop": "String",
"ImgRepo": "String",
"EnvConf": [
{
"Config": "String",
"Type": "String",
"Key": "String",
"Value": "String"
}
],
"ImageCommand": "String",
"Description": "String",
"JdkVersion": "String",
"ApplicationId": "String",
"LogOutputConf": {
"ClsLogTopicName": "String",
"ClsLogsetName": "String",
"ClsLogTopicId": "String",
"OutputType": "String",
"ClsLogsetId": "String"
},
"ConfEdited": "false",
"EnvironmentId": "String",
"CpuSpec": "0.1",
"DeployMode": "String",
"SecurityGroupIds": [
"String"
],
"SourceChannel": "0",
"LogEnable": "0",
"InitPodNum": "2",
"VersionDesc": "String",
"ImageArgs": [
"String"
],
"MemorySpec": "1024",
"UseRegistryDefaultConfig": "true",
"LogConfs": [
"String"
],
"PkgName": "String",
"StorageMountConfs": [
{
"VolumeName": "String",
"MountPath": "String"
}
],
```

```
"DeployVersion": "String",
"VersionId": "String",
"SettingConfs": [
{
"ConfigDataName": "String",
"MountedPath": "String",
"Data": [
{
"Config": "String",
"Type": "String",
"Key": "String",
"Value": "String"
}
]
},
],
"StorageConfs": [
{
"StorageVolPath": "String",
"StorageVolIp": "String",
"StorageVolName": "String"
}
],
"PostStart": "String",
"OsFlavour": "ALPINE"
}
```

Output Example

```
{
"Response": {
"RequestId": "422a54ac-9913-4d46-8439-9c05600003b3",
"Result": "version-success"
}
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.ActionReadTimeout	Request timed out
FailedOperation.CreateServiceError	Failed to create the service.
FailedOperation.DefaultInternalError	The server is busy. Retry later.
FailedOperation.DescribeServiceListError	Failed to query the service list
InternalError.ActionReadTimeout	Request timed out
InternalError.CreateApmResourceError	Failed to create the APM resource
InternalError.CreateServiceError	Failed to create the service.
InternalError.DefaultInternalError	The server is busy. Retry later.
InternalError.DeployVersionError	Failed to invoke the version deployment
InvalidParameterValue.ApmNotBind	The APM is not bound with the current environment.
InvalidParameterValue.AutoScalerLargerThanOne	Only one auto scaler can be specified.
InvalidParameterValue.CannotOverWriteOtherApplicationService	The access mode of other applications cannot be overwritten.
InvalidParameterValue.InvalidDeployVersion	The version number is invalid.

InvalidParameterValue.InvalidEnvName	Invalid environment parameter name. It must be a combination of [a-z], [A-Z], [0-9] and [._-]. It cannot start with a digit.
InvalidParameterValue.InvalidEnvValue	The length of environment variable cannot exceed 1,000.
InvalidParameterValue.InvalidMountPath	Invalid mounting path. It cannot be /app.
InvalidParameterValue.InvalidTenantInfo	Unable to identify the tenant information
InvalidParameterValue.JdkVersionRequired	The JDK version is required.
InvalidParameterValue.MustProvidePortMappingRules	The PortMapping rule is required.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.OsNotSupport	The operating system is not supported.
InvalidParameterValue.PostStartNotValid	Invalid post start
InvalidParameterValue.PreStopNotValid	
InvalidParameterValue.RegistryNotBind	The registry is not associated with the current environment.
InvalidParameterValue.ServiceNameDuplicateError	This application name already exists.
InvalidParameterValue.ServiceNotBelongToAppid	You are not the owner of this application.
InvalidParameterValue.ServicePodReachMaximum	Failed to create the instance. The upper limit is reached.
InvalidParameterValue.ServiceUseReserveSuffix	The suffix of the application name is not allowed.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
InvalidParameterValue.TraitsTracingNotSupported	Linkage tracing is not available for non-JAVA applications.
InvalidParameterValue.VersionLengthLimit	The value of <code>version</code> cannot exceed 128 characters.
InvalidParameterValue.VersionLowerCase	The version must be in lower case.
MissingParameter.DeployModeNull	The deployment method is required.

MissingParameter.DeployVersionNull	The deployment version cannot be empty.
MissingParameter.ImgRepoNull	The image repository is required.
MissingParameter.LogsetOrTopicNull	The <code>logset</code> and <code>topic</code> are required.
MissingParameter.PkgNameNull	The package name cannot be left empty.
MissingParameter.RepoServerNull	
MissingParameter.ServiceIdNull	The service ID cannot be empty.
MissingParameter.SvcRepoNotReady	The image repository is not ready.
MissingParameter.VpcServiceSubnetNull	For intra-VPC access, the subnet ID is required.
ResourceInUse.ServiceDeploying	The application is being deployed.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
ResourceUnavailable.WaitForKruise	Waiting for the installation of addon
UnauthorizedOperation.MissingEksLogRole	TKE does not have the permission to access CLS. Please assign the permission first.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

RollingUpdateApplicationByVersion

Last updated : 2023-12-04 16:38:13

1. API Description

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

This API is used to configure the rolling update policy for an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: RollingUpdateApplicationByVersion.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
DeployVersion	Yes	String	Update version. For image-based deployment, it is the value. For deployment with JAR/WAR files, it is <code>Version</code> .
PackageName	No	String	JAR/WAR package name. It's only required for deployment with JAR/WAR files.
From	No	String	Request source. Options: <code>IntelliJ</code> , <code>Coding</code>

DeployStrategyType	No	String	The deployment policy. Values: <code>AUTO</code> (automatically deploy), <code>BETA</code> (deploy a small batch first to test the result, and deploy the rest automatically) and <code>MANUAL</code> (manually deploy)
TotalBatchCount	No	Integer	Total number of batches
BatchInterval	No	Integer	Interval between the batches
BetaBatchNum	No	Integer	Number of instances in a beta batch
MinAvailable	No	Integer	Minimum number of available instances during the deployment
Force	No	Boolean	Whether to enable force release

3. Output Parameters

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

4. Example

Example1 Deploying an application

This example shows you how to deploy an application.

Input Example

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

{
  "ApplicationId": "abc",
  "EnvironmentId": "abc",
```

```
"DeployVersion": "abc",
"PackageName": "abc",
"From": "abc",
"DeployStrategyType": "abc",
"TotalBatchCount": 0,
"BatchInterval": 0,
"BetaBatchNum": 0,
"MinAvailable": 0,
"Force": true
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": "version-xxx"
  }
}
```

Example2 Deployed successfully.

Deployed successfully.

Input Example

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

{
  "EnvironmentId": "env-qgnzgy8r",
  "TotalBatchCount": "2",
  "PackageName": "tem/pkg/1300555551/service-gn54vdy6/1641528220867/hello-world-0.1-SNAPSHOT.jar",
  "DeployStrategyType": "AUTO",
  "DeployVersion": "20220107122452",
  "BatchInterval": "60",
  "ApplicationId": "service-gn54vdy6",
  "BetaBatchNum": "1"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "28fe46b2-dbd9-4ee6-b388-603acb6c9263",
    "Result": ""
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InternalServerError.DeployVersionError	Failed to invoke the version deployment
InvalidParameterValue.ApmNotBind	The APM is not bound with the current environment.
InvalidParameterValue.InvalidDeployVersion	The version number is invalid.

InvalidParameterValue.InvalidEnvName	Invalid environment parameter name. It must be a combination of [a-z], [A-Z], [0-9] and [._-]. It cannot start with a digit.
InvalidParameterValue.InvalidMountPath	Invalid mounting path. It cannot be /app.
InvalidParameterValue.JdkVersionRequired	The JDK version is required.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.OsNotSupport	The operating system is not supported.
InvalidParameterValue.RegistryNotBind	The registry is not associated with the current environment.
InvalidParameterValue.ServiceNotBelongToAppid	You are not the owner of this application.
InvalidParameterValue.ServicePodReachMaximum	Failed to create the instance. The upper limit is reached.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
InvalidParameterValue.VersionLengthLimit	The value of <code>version</code> cannot exceed 128 characters.
InvalidParameterValue.VersionLowerCase	The version must be in lower case.
MissingParameter.DeployModeNull	The deployment method is required.
MissingParameter.DeployVersionNull	The deployment version cannot be empty.
MissingParameter.LogsetOrTopicNull	The <code>logset</code> and <code>topic</code> are required.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
MissingParameter.SvcRepoNotReady	The image repository is not ready.
ResourceInUse.ServiceDeploying	The application is being deployed.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
ResourceUnavailable.WaitForKruise	Waiting for the installation of addon
UnauthorizedOperation.MissingEksLogRole	TKE does not have the permission to access CLS. Please assign the permission first.

UnauthorizedOperation.UnauthorizedOperation	Not authorized
---	----------------

Service APIs

DescribeApplications

Last updated : 2023-12-04 16:38:14

1. API Description

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

This API is to query the list of running applications.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeApplications.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	No	String	ID of the environment
Limit	No	Integer	Pagination limit
Offset	No	Integer	Pagination offset
SourceChannel	No	Integer	Source channel. Please keep the default value.

ApplicationId	No	String	Application ID
Keyword	No	String	Keyword for searching.
Filters.N	No	Array of QueryFilter	Filters for query
SortInfo	No	SortType	Sorting field

3. Output Parameters

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

4. Example

Example1 Obtaining the list of running applications

This example show you how to obtain the list of running applications.

Input Example

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

{ }
```

Output Example

```
{
  "Response": {
    "Result": {
      "Current": 0,
      "Records": [
```



```
{
  "ApplicationName": "xx",
  "EnvironmentId": "xx",
  "HasAuthority": true,
  "ModifyDate": "2020-09-22 00:00:00",
  "Description": "xx",
  "Creator": "xx",
  "InstanceId": "xx",
  "CreateDate": "2020-09-22 00:00:00",
  "ActiveVersions": [
    {
      "Status": "xx",
      "CurrentInstances": 0,
      "LogOutputConf": {
        "ClsLogTopicId": "xx",
        "ClsLogsetName": "xx",
        "ClsLogsetId": "xx",
        "ClsLogTopicName": "xx",
        "OutputType": "xx"
      },
      "EnableEs": 0,
      "PodList": {
        "TotalCount": 0,
        "Limit": 0,
        "RequestId": "xx",
        "PodList": [
          {
            "Webshell": "xx",
            "Status": "xx",
            "RestartCount": 0,
            "StartTime": "xx",
            "Zone": "xx",
            "PodId": "xx",
            "NodeInfo": {
              "SubnetId": "xx",
              "Cidr": "xx",
              "AvailableIpCount": "xx",
              "Name": "xx",
              "Zone": "xx"
            },
            "VersionId": "xx",
            "UnhealthyWarningMsg": "xx",
            "DeployVersion": "xx",
            "PodIp": "xx",
            "ContainerState": "xx",
            "Ready": true,
            "ApplicationName": "xx",
```

```
"CreateTime": "xx",
"Unhealthy": true
},
],
"Offset": 0
},
"EnvironmentId": "xx",
"CreateDate": "xx",
"BuildTaskId": "xx",
"DeployMode": "xx",
"WorkloadInfo": {
  "ApplicationName": "xx",
  "UpdateRevision": "xx",
  "UpdatedReadyReplicas": 0,
  "Replicas": 0,
  "ClusterId": "xx",
  "UpdatedReplicas": 0,
  "VersionName": "xx",
  "CurrentRevision": "xx",
  "ReadyReplicas": 0
},
"Zones": [
  "xx"
],
"VersionId": "xx",
"UnderDeploying": true,
"BatchDeployStatus": "xx",
"VersionName": "xx",
"ExpectedInstances": 0,
"NodeInfos": [
  {
    "SubnetId": "xx",
    "Cidr": "xx",
    "AvailableIpCount": "xx",
    "Name": "xx",
    "Zone": "xx"
  }
],
"ApplicationId": "xx",
"EnvironmentName": "xx",
"ApplicationName": "xx"
},
],
"DeployMode": "xx",
"RepoType": 0,
"RepoName": "xx",
"EnableTracing": 1,
```

```
"Tags": [
{
  "TagKey": "xx",
  "TagValue": "xx"
},
{
  "Modifier": "xx",
  "ApplicationId": "xx",
  "CodingLanguage": "xx",
  "EnvironmentName": "xx"
},
{
  "Total": 0,
  "Pages": 0,
  "Size": 0
},
{
  "RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError.ActionReadTimeout	Request timed out
InternalError.DefaultInternalError	The server is busy. Retry later.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.

Workload APIs

DescribeApplicationInfo

Last updated : 2023-12-04 16:38:13

1. API Description

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

This API is used to check the basic information of an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeApplicationInfo.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
EnvironmentId	No	String	Environment ID

3. Output Parameters

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

4. Example

Example1 Checking the basic information of an application

This example shows you how to check the basic information of an application.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "CurrentInstances": 1,
      "ImgName": "xx",
      "Service": {
        "ApplicationName": "xx",
        "ExternalIp": "xx",
        "Name": "xx",
        "ApplicationId": "xx",
        "AllIpDone": true,

```

```
"PortMappings": [
{
  "Protocol": "xx",
  "ServiceName": "xx",
  "TargetPort": 0,
  "Port": 0
}
],
"Yaml": "xx",
"LoadBalanceId": "xx",
"ServicePortMappingList": [
{
  "ExternalIp": "xx",
  "VpcId": "xx",
  "PortMappingItemList": [
{
  "Protocol": "xx",
  "TargetPort": 0,
  "Port": 0
}
],
"Yaml": "xx",
"LoadBalanceId": "xx",
"ServiceName": "xx",
"ClusterIp": "xx",
"SubnetId": "xx",
"Type": "xx",
"Ports": [
0
]
}
],
"VersionName": "xx",
"ClusterIp": [
"xx"
],
"SubnetId": "xx",
"Type": "xx",
"Ports": [
0
]
],
"EnableRegistryNextDeploy": 0,
"FlushAll": true
},
"JvmOpts": "xx",
"SpeedUp": true,
"ImageTag": "xx",
```

```
"PublicDomain": "xx",
"StorageConfs": [
{
  "StorageVolName": "xx",
  "StorageVolIp": "xx",
  "StorageVolPath": "xx"
}
],
"EnableTracingReport": 1,
"ExpectedInstances": 1,
"ImgRepo": "xx",
"StartupProbe": {
  "Protocol": "xx",
  "TimeoutSeconds": 0,
  "Exec": "xx",
  "InitialDelaySeconds": 0,
  "PeriodSeconds": 0,
  "Path": "xx",
  "Type": "xx",
  "Port": 0
},
"OsFlavour": "xx",
"BatchDeployStatus": "xx",
"Status": "xx",
"EnvironmentName": "xx",
"ImageCommand": "xx",
"ModifyDate": "xx",
"Description": "xx",
"EnablePublicAccess": true,
"StoppedManually": true,
"EnvConf": [
{
  "Config": "xx",
  "Secret": "xx",
  "Type": "xx",
  "Value": "xx",
  "Key": "xx"
}
],
"LastDeploySuccessDate": "xx",
"JdkVersion": "xx",
"ApmInstanceId": "xx",
"Vpc": "xx",
"EnablePrometheusConf": {
  "Path": "xx",
  "Port": 0
},
}
```



```
"EnableTracing": 1,
"CodingLanguage": "xx",
"SubnetId": "xx",
"ApplicationId": "xx",
"ApplicationName": "xx",
"Readiness": {
  "Protocol": "xx",
  "TimeoutSeconds": 0,
  "Exec": "xx",
  "InitialDelaySeconds": 0,
  "PeriodSeconds": 0,
  "Path": "xx",
  "Type": "xx",
  "Port": 0
},
"LogOutputConf": {
  "ClsLogTopicId": "xx",
  "ClsLogsetName": "xx",
  "ClsLogsetId": "xx",
  "ClsLogTopicName": "xx",
  "OutputType": "xx"
},
"UseRegistryDefaultConfig": true,
"ApplicationDescription": "xx",
"PublishMode": "xx",
"CpuSpec": 0.0,
"EsEnable": 0,
"CreateDate": "xx",
"Liveness": {
  "Protocol": "xx",
  "TimeoutSeconds": 0,
  "Exec": "xx",
  "InitialDelaySeconds": 0,
  "PeriodSeconds": 0,
  "Path": "xx",
  "Type": "xx",
  "Port": 0
},
"EnableMetrics": 0,
"DeployMode": "xx",
"SecurityGroupIds": [
  "xx"
],
"TcrInstanceId": "xx",
"CronHorizontalAutoscaler": [
  {
    "Priority": 0,
```

```
"Schedules": [
{
  "StartAt": "xx",
  "TargetReplicas": 0
}
],
"Enabled": true,
"Period": "xx",
"Name": "xx"
},
],
"DeployVersion": "xx",
"InitPodNum": 0,
"RepoType": 1,
"ImageArgs": [
  "xx"
],
"MemorySpec": 0.0,
"WorkloadInfo": {
  "ApplicationName": "xx",
  "ClusterId": "xx"
},
"ImageType": 0,
"PreStop": "xx",
"EnvironmentId": "xx",
"LogConfs": [
  "xx"
],
"PkgName": "xx",
"StorageMountConfs": [
{
  "VolumeName": "xx",
  "MountPath": "xx"
}
],
"HorizontalAutoscaler": [
{
  "MinReplicas": 0,
  "Metrics": "xx",
  "Enabled": true,
  "Threshold": 0,
  "MaxReplicas": 0
}
],
"UnderDeploying": true,
"LogEnable": 0,
"EsInfo": {
```

```
"MinAliveInstances": 0,
"EsStrategy": 0,
"VersionId": "xx",
"Threshold": 1,
"MaxAliveInstances": 0
},
"Zones": [
  "xx"
],
"ImgVersion": "xx",
"VersionId": "xx",
"LastDeployDate": "xx",
"SettingConfs": [
{
  "ConfigDataName": "xx",
  "MountedPath": "xx",
  "SecretDataName": "xx",
  "Data": [
    {
      "Config": "xx",
      "Secret": "xx",
      "Type": "xx",
      "Value": "xx",
      "Key": "xx"
    }
  ]
}
],
"VersionName": "xx",
"MinAliveInstances": "xx",
"EsStrategy": 0,
"NodeInfos": [
{
  "SubnetId": "xx",
  "Cidr": "xx",
  "AvailableIpCount": "xx",
  "Name": "xx",
  "Zone": "xx"
}
],
"RepoServer": "xx",
"PostStart": "xx"
},
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.ActionReadTimeout	Request timed out
FailedOperation.DefaultInternalError	The server is busy. Retry later.
FailedOperation.DescribeRunPodListError	Failed to query the instance information
FailedOperation.DescribeServiceError	Failed to query the service.
InternalError.ActionReadTimeout	Request timed out
InternalError.DefaultInternalError	The server is busy. Retry later.
InternalError.DescribeRunPodListError	Failed to query the instance information
InternalError.DescribeServiceError	Failed to query the service.
InvalidParameterValue.ServiceNotBelongToAppid	You are not the owner of this application.

InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
MissingParameter.ServiceIdNull	The service ID cannot be empty.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
ResourceNotFound.VersionServiceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

Access Policy APIs

ModifyApplicationService

Last updated : 2023-12-04 16:38:21

1. API Description

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

This API is used to modify an access policy.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyApplicationService.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
Service	No	EksService	Full access mode settings

Data	No	ServicePortMapping	Single entry access mode settings
------	----	------------------------------------	-----------------------------------

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the action succeeded Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying an access policy

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "Service": {
    "ApplicationName": "xx",
    "ExternalIp": "xx",
    "Name": "xx",
    "ApplicationId": "xx",
    "AllIpDone": true,
    "PortMappings": [
      {
        "Protocol": "xx",
        "ServiceName": "xx",
        "TargetPort": 0,
        "Port": 0
      }
    ]
  }
}
```

```
"Yaml": "xx",
"LoadBalanceId": "xx",
"ServicePortMappingList": [
{
"ExternalIp": "xx",
"VpcId": "xx",
"PortMappingItemList": [
{
"Protocol": "xx",
"TargetPort": 0,
"Port": 0
}
],
"Yaml": "xx",
"LoadBalanceId": "xx",
"ServiceName": "xx",
"ClusterIp": "xx",
"SubnetId": "xx",
"Type": "xx",
"Ports": [
0
]
},
"VersionName": "xx",
"ClusterIp": [
"xx"
],
"SubnetId": "xx",
"Type": "xx",
"Ports": [
0
],
"EnableRegistryNextDeploy": 0,
"FlushAll": true
},
"EnvironmentId": "xx"
}
```

Output Example

```
{
"Response": {
"Result": true,
"RequestId": "xx"
}
```



```
}  
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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.DefaultInternalServerError	The server is busy. Retry later.
InvalidParameter.ApplicationAccessServiceReachMaximum	Reached the upper limit of access policies for this application.
InvalidParameter.LBServiceCannotSupportTcpUdpSameTime	For an LB application, TCP and UDP cannot be both supported..
InvalidParameter.MustProvidePortMappingRules	The PortMapping rule is required.
InvalidParameter.ServiceNameNotValid	The application name is invalid.
InvalidParameter.ServiceUseReserveSuffix	The suffix of the application name is not

	allowed.
InvalidParameter.TooManyPortMappingRules	Reached the upper limit of PortMapping rules.
InvalidParameterValue.ApplicationServiceNotFound	The access policy does not exist.
InvalidParameterValue.InvalidEksServiceType	The access type is not supported.
InvalidParameterValue.PortIsReserved	The application port is a reserved port.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.

DescribeApplicationServiceList

Last updated : 2023-12-04 16:38:21

1. API Description

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

This API is used to query the list of access policies.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeApplicationServiceList.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	ID of the environment
ApplicationId	Yes	String	ID of the application
SourceChannel	No	Integer	xx

3. Output Parameters

Parameter Name	Type	Description
Result	EksService	Application EKS service list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 This API is used to query the list of access policies.

Input Example

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

{
  "EnvironmentId": "xx",
  "ApplicationId": "xx",
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "ApplicationName": "xx",
      "ExternalIp": "xx",
      "Name": "xx",
      "ApplicationId": "xx",
      "AllIpDone": true,
      "PortMappings": [
        {
          "Protocol": "xx",
          "ServiceName": "xx",
          "TargetPort": 0,
          "Port": 0
        }
      ],
    }
  },
}
```

```
"Yaml": "xx",
"LoadBalanceId": "xx",
"ServicePortMappingList": [
{
"ExternalIp": "xx",
"VpcId": "xx",
"PortMappingItemList": [
{
"Protocol": "xx",
"TargetPort": 0,
"Port": 0
}
],
"Yaml": "xx",
"LoadBalanceId": "xx",
"ServiceName": "xx",
"ClusterIp": "xx",
"SubnetId": "xx",
"Type": "xx",
"Ports": [
0
]
},
"VersionName": "xx",
"ClusterIp": [
"xx"
],
"SubnetId": "xx",
"Type": "xx",
"Ports": [
0
],
"EnableRegistryNextDeploy": 0,
"FlushAll": true
},
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.InterfaceNotFound	This API is not available.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized
UnsupportedOperation.UnsupportAction	ACTION not supported

DeleteApplicationService

Last updated : 2023-12-04 16:38:21

1. API Description

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

This API is used to delete an access policy.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteApplicationService.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	No	String	Application ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
EnvironmentId	No	String	Environment ID
ServiceName	No	String	Service name

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the action succeeded Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 This API is used to delete an access policy.

Input Example

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

{ }
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InvalidParameterValue.ApplicationServiceNotFound	The access policy does not exist.
InvalidParameterValue.CannotUpdateServiceByBothMethods	Full update and single-entry update cannot be specified at the same time.
InvalidParameterValue.InvalidEksServiceType	The access type is not supported.
InvalidParameterValue.PortIsReserved	The application port is a reserved port.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

CreateApplicationService

Last updated : 2023-12-04 16:38:21

1. API Description

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

This API is used to create an access policy.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateApplicationService.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
Service	No	ServicePortMapping	Details of the access policy

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the action succeeded Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding an access policy

Input Example

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

```
{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "Service": {
    "ExternalIp": "xx",
    "VpcId": "xx",
    "PortMappingItemList": [
      {
        "Protocol": "xx",
        "TargetPort": 0,
        "Port": 0
      }
    ],
    "Yaml": "xx",
    "LoadBalanceId": "xx",
    "ServiceName": "xx",
    "ClusterIp": "xx",
    "SubnetId": "xx",
    "Type": "xx",
    "Ports": [
```

```
0
]
},
"EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

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

InternalError.DefaultInternalError	The server is busy. Retry later.
InternalError.DescribeServiceListError	Failed to query the service list
InvalidParameter.ApplicationAccessServiceReachMaximum	Reached the upper limit of access policies for this application.
InvalidParameter.LBServiceCannotSupportTcpUdpSameTime	For an LB application, TCP and UDP cannot be both supported..
InvalidParameter.MustProvidePortMappingRules	The PortMapping rule is required.
InvalidParameter.ServiceNameNotValid	The application name is invalid.
InvalidParameter.ServiceUseReserveSuffix	The suffix of the application name is not allowed.
InvalidParameter.TooManyPortMappingRules	Reached the upper limit of PortMapping rules.
InvalidParameterValue.ApplicationAccessServiceReachMaximum	Reached the upper limit of access policies for this application.
InvalidParameterValue.ApplicationServiceAlreadyExist	The access policy name already exists.
InvalidParameterValue.ApplicationServiceNotFound	The access policy does not exist.
InvalidParameterValue.CannotOverWriteOtherApplicationService	The access mode of other applications cannot be overwritten.
InvalidParameterValue.CannotUpdateServiceByBothMethods	Full update and single-entry update cannot be specified at the same time.
InvalidParameterValue.InvalidEksServiceType	The access type is not supported.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.PortDuplicateError	The application port mapping already exists.
InvalidParameterValue.PortIsReserved	The application port is a reserved port.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.

ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnsupportedOperation.UnsupportAction	ACTION not supported

Configuration file APIs

ModifyConfigData

Last updated : 2023-12-04 16:38:18

1. API Description

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

This API is used to modify a configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyConfigData.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
SourceChannel	No	Integer	Source channel. Please keep the default value.
Data.N	No	Array of Pair	Configuration information

3. Output Parameters

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

4. Example

Example1 Modifying the configuration

This example shows you how to modify the configuration.

Input Example

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

{
  "EnvironmentId": "xx",
  "Data": [
    {
      "Value": "xx",
      "Key": "xx"
    }
  ],
  "Name": "xx",
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```



```
}  
}
```

5. Developer Resources

SDK

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

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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.ModifyConfigDataError	Failed to modify the configuration.
InvalidParameterValue.ConfigDataInvalid	The configuration is incorrect.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DestroyConfigData

Last updated : 2023-12-04 16:38:18

1. API Description

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

This API is used to terminate a configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DestroyConfigData.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
SourceChannel	No	Integer	Source channel. Please keep the default value.

3. Output Parameters

--	--	--

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

4. Example

Example1 Terminating a configuration

Input Example

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

{
  "EnvironmentId": "xx",
  "Name": "xx",
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeConfigDataList

Last updated : 2023-12-04 16:38:19

1. API Description

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

This API is used to query the list of configurations.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeConfigDataList.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
ContinueToken	No	String	Paging cursor
Limit	No	Integer	Pagination limit

3. Output Parameters

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

4. Example

Example1 Querying the list of configurations

This example shows you how to query the list of configurations

Input Example

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

{
  "EnvironmentId": "xx",
  "ContinueToken": "xx",
  "Limit": 0,
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "Records": [
        {
          "RelatedApplications": [
            {
              "ApplicationName": "xx",
              "EnvironmentId": "xx",
              "ModifyDate": "2020-09-22 00:00:00",
```

```
"Description": "xx",
"Creator": "xx",
"InstanceId": "xx",
"CreateDate": "2020-09-22 00:00:00",
"ActiveVersions": [
{
"Status": "xx",
"CurrentInstances": 0,
"LogOutputConf": {
"ClsLogTopicId": "xx",
"ClsLogsetName": "xx",
"ClsLogsetId": "xx",
"ClsLogTopicName": "xx",
"OutputType": "xx"
},
"EnableEs": 0,
"PodList": {
"TotalCount": 0,
"Limit": 0,
"RequestId": "xx",
"PodList": [
{
"Webshell": "xx",
"Status": "xx",
"RestartCount": 0,
"StartTime": "xx",
"Zone": "xx",
"PodId": "xx",
"NodeInfo": {
"SubnetId": "xx",
"Cidr": "xx",
"AvailableIpCount": "xx",
"Name": "xx",
"Zone": "xx"
},
"VersionId": "xx",
"UnhealthyWarningMsg": "xx",
"DeployVersion": "xx",
"PodIp": "xx",
"ContainerState": "xx",
"Ready": true,
"ApplicationName": "xx",
"CreateTime": "xx",
"Unhealthy": true
}
],
"Offset": 0
```

```
},
"EnvironmentId": "xx",
"CreateDate": "xx",
"BuildTaskId": "xx",
"DeployMode": "xx",
"WorkloadInfo": {
  "ApplicationName": "xx",
  "UpdateRevision": "xx",
  "UpdatedReadyReplicas": 0,
  "Replicas": 0,
  "ClusterId": "xx",
  "UpdatedReplicas": 0,
  "VersionName": "xx",
  "CurrentRevision": "xx",
  "ReadyReplicas": 0
},
"Zones": [
  "xx"
],
"VersionId": "xx",
"UnderDeploying": true,
"BatchDeployStatus": "xx",
"VersionName": "xx",
"ExpectedInstances": 0,
"NodeInfos": [
  {
    "SubnetId": "xx",
    "Cidr": "xx",
    "AvailableIpCount": "xx",
    "Name": "xx",
    "Zone": "xx"
  }
],
"ApplicationId": "xx",
"EnvironmentName": "xx",
"ApplicationName": "xx"
}
],
"DeployMode": "xx",
"RepoType": 0,
"RepoName": "xx",
"EnableTracing": 1,
"Tags": [
  {
    "TagKey": "xx",
    "TagValue": "xx"
  }
]
```



```
],
  "Modifier": "xx",
  "ApplicationId": "xx",
  "CodingLanguage": "xx",
  "EnvironmentName": "xx"
}
],
  "Data": [
    {
      "Config": "xx",
      "Secret": "xx",
      "Type": "xx",
      "Value": "xx",
      "Key": "xx"
    }
  ],
  "Name": "xx",
  "CreateTime": "xx"
}
],
  "RemainingCount": 0,
  "ContinueToken": "xx"
},
  "RequestId": "xx"
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InternalServerError.DescribeConfigDataListError	Failed to query the configuration list.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeConfigData

Last updated : 2023-12-04 16:38:19

1. API Description

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

This API is used to query details of a configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeConfigData.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
SourceChannel	No	Integer	Source channel. Please keep the default value.

3. Output Parameters

--	--	--

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

4. Example

Example1 Querying configuration details

This example shows you how to query the configuration details.

Input Example

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

{
  "EnvironmentId": "xx",
  "Name": "xx",
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "RelatedApplications": [
        {
          "ApplicationName": "xx",
          "EnvironmentId": "xx",
          "ModifyDate": "2020-09-22 00:00:00",
          "Description": "xx",
          "Creator": "xx",
          "InstanceId": "xx",
          "CreateDate": "2020-09-22 00:00:00",
          "ActiveVersions": [
            {
```

```
"Status": "xx",
"CurrentInstances": 0,
"LogOutputConf": {
  "ClsLogTopicId": "xx",
  "ClsLogsetName": "xx",
  "ClsLogsetId": "xx",
  "ClsLogTopicName": "xx",
  "OutputType": "xx"
},
"EnableEs": 0,
"PodList": {
  "TotalCount": 0,
  "Limit": 0,
  "RequestId": "xx",
  "PodList": [
    {
      "Webshell": "xx",
      "Status": "xx",
      "RestartCount": 0,
      "StartTime": "xx",
      "Zone": "xx",
      "PodId": "xx",
      "NodeInfo": {
        "SubnetId": "xx",
        "Cidr": "xx",
        "AvailableIpCount": "xx",
        "Name": "xx",
        "Zone": "xx"
      },
      "VersionId": "xx",
      "UnhealthyWarningMsg": "xx",
      "DeployVersion": "xx",
      "PodIp": "xx",
      "ContainerState": "xx",
      "Ready": true,
      "ApplicationName": "xx",
      "CreateTime": "xx",
      "Unhealthy": true
    }
  ],
  "Offset": 0
},
"EnvironmentId": "xx",
"CreateDate": "xx",
"BuildTaskId": "xx",
"DeployMode": "xx",
"WorkloadInfo": {
```

```
"ApplicationName": "xx",
"UpdateRevision": "xx",
"UpdatedReadyReplicas": 0,
"Replicas": 0,
"ClusterId": "xx",
"UpdatedReplicas": 0,
"VersionName": "xx",
"CurrentRevision": "xx",
"ReadyReplicas": 0
},
"Zones": [
  "xx"
],
"VersionId": "xx",
"UnderDeploying": true,
"BatchDeployStatus": "xx",
"VersionName": "xx",
"ExpectedInstances": 0,
"NodeInfos": [
  {
    "SubnetId": "xx",
    "Cidr": "xx",
    "AvailableIpCount": "xx",
    "Name": "xx",
    "Zone": "xx"
  }
],
"ApplicationId": "xx",
"EnvironmentName": "xx",
"ApplicationName": "xx"
},
"DeployMode": "xx",
"RepoType": 0,
"RepoName": "xx",
"EnableTracing": 1,
"Tags": [
  {
    "TagKey": "xx",
    "TagValue": "xx"
  }
],
"Modifier": "xx",
"ApplicationId": "xx",
"CodingLanguage": "xx",
"EnvironmentName": "xx"
}
```

```
],
  "Data": [
    {
      "Config": "xx",
      "Secret": "xx",
      "Type": "xx",
      "Value": "xx",
      "Key": "xx"
    }
  ],
  "Name": "xx",
  "CreateTime": "xx"
},
"RequestId": "xx"
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

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Error Code	Description
InternalError.DescribeConfigDataError	Failed to query the configuration details.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.ConfigDataNotFound	Configuration does no exist
UnauthorizedOperation.UnauthorizedOperation	Not authorized

CreateConfigData

Last updated : 2023-12-04 16:38:19

1. API Description

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

This API is used to create a configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateConfigData.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
SourceChannel	No	Integer	Source channel. Please keep the default value.
Data.N	No	Array of Pair	Configuration information

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the creation is successful
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a configuration.

This example shows you how to create a configuration.

Input Example

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

{
  "EnvironmentId": "xx",
  "Data": [
    {
      "Value": "xx",
      "Key": "xx"
    }
  ],
  "Name": "xx",
  "SourceChannel": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

```
}  
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.CreateConfigDataError	Failed to create the configuration.
InvalidParameterValue.ConfigDataAlreadyExist	This configuration already exists.
InvalidParameterValue.ConfigDataInvalid	The configuration is incorrect.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

Log collecting APIs

ModifyLogConfig

Last updated : 2023-12-04 16:38:15

1. API Description

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

This API is used to modify a log collecting configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyLogConfig.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
Data	No	LogConfig	Log collector configuration
ApplicationId	No	String	Application ID

3. Output Parameters

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

4. Example

Example1 Editing the log collecting configuration

This example shows you how to edit the log collecting configuration.

Input Example

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

{
  "EnvironmentId": "xx",
  "ApplicationId": "xx",
  "Name": "xx",
  "Data": {
    "ApplicationName": "xx",
    "TopicId": "xx",
    "BeginningRegex": "xx",
    "Name": "xx",
    "CreateDate": "xx",
    "LogPath": "xx",
    "InputType": "xx",
    "LogType": "xx",
    "FilePattern": "xx",
    "ModifyDate": "xx",
    "ApplicationId": "xx",
    "LogsetId": "xx"
  }
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InternalServerError.ModifyLogConfigError	Error while modifying the LogConfig.
ResourceNotFound.ServiceNotFound	The application is not found.

UnauthorizedOperation.UnauthorizedOperation	Not authorized
---	----------------

DestroyLogConfig

Last updated : 2023-12-04 16:38:16

1. API Description

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

This API is used to terminate a log collecting configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DestroyLogConfig.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
ApplicationId	No	String	Application ID

3. Output Parameters

--	--	--

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

4. Example

Example1 Terminating a log collecting configuration

This example shows you how to terminate a log collecting configuration.

Input Example

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

{
  "EnvironmentId": "xx",
  "Name": "xx"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DeleteLogConfigError	Error while deleting the LogConfig.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribePagedLogConfigList

Last updated : 2023-12-04 16:38:16

1. API Description

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

This API is used to querying the list of log collecting configurations.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribePagedLogConfigList.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
ApplicationId	No	String	Application ID
ApplicationName	No	String	Application name
Name	No	String	Name of the rule
Limit	No	Integer	Number of entries per page. Default value: 20
ContinueToken	No	String	Paging cursor

3. Output Parameters

Parameter Name	Type	Description
Result	LogConfigListPage	List of log collecting configurations
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the list of log collecting configurations

This example is used to query the list of log collecting configurations.

Input Example

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

{
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "Records": [
        {
          "ApplicationId": "xx",
          "ApplicationName": "xx",
          "TopicId": "xx",
          "BeginningRegex": "xx",
          "Name": "xx",
          "CreateDate": "xx",
          "LogPath": "xx",
          "InputType": "container_stdout",

```

```
"LogType": "xx",
"FilePattern": "xx",
"ModifyDate": "xx",
"LogsetId": "xx"
},
"ContinueToken": "xx"
},
"RequestId": "xx"
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InternalServerError.DescribeConfigDataListError	Failed to query the configuration list.

InternalError.DescribeLogConfigListError	Error while querying the LogConfig list.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeLogConfig

Last updated : 2023-12-04 16:38:16

1. API Description

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

This API is used to query details of a log collecting configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeLogConfig.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
ApplicationId	No	String	Application ID

3. Output Parameters

--	--	--

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

4. Example

Example1 Querying details of a log collecting configuration

This example is used to query details of a log collecting configuration.

Input Example

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

{
  "EnvironmentId": "xx",
  "Name": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": {
      "ApplicationName": "xx",
      "TopicId": "xx",
      "BeginningRegex": "xx",
      "Name": "xx",
      "CreateDate": "xx",
      "LogPath": "xx",
      "InputType": "xx",
      "LogType": "xx",
      "FilePattern": "xx",
      "ModifyDate": "xx",
      "ApplicationId": "xx",
      "LogsetId": "xx"
    }
  }
}
```

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

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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.DefaultInternalServerError	The server is busy. Retry later.
InternalServerError.DescribeLogConfigError	Error while querying the LogConfig.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
ResourceNotFound.LogConfigNotFound	The log configuration does not exist.
ResourceNotFound.ServiceNotFound	The application is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

CreateLogConfig

Last updated : 2023-12-04 16:38:16

1. API Description

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

This API is used to create a log collecting configuration.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateLogConfig.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
EnvironmentId	Yes	String	Environment ID
Name	Yes	String	Configuration name
InputType	Yes	String	Collection type. Values: <code>container_stdout</code> (standard); <code>container_file</code> (file)
ApplicationId	No	String	Application ID

LogsetId	No	String	Logset ID
TopicId	No	String	Log topic ID
LogType	No	String	Log withdrawal mode. Values: <code>minimalist_log</code> (full text in a single line); <code>multiline_log</code> (full text in multiple lines); <code>json_log</code> (JSON); <code>fullregex_log</code> (regex in a single line); <code>multiline_fullregex_log</code> (regex in multiple lines)
BeginningRegex	No	String	The first line regex. It's valid when <code>LogType</code> is <code>multiline_log</code> .
LogPath	No	String	Directory of files to collect. It's valid when <code>InputType</code> is <code>container_file</code> .
FilePattern	No	String	Name pattern of files to collect. It's valid when <code>InputType</code> is <code>container_file</code> .
ExtractRule	No	LogConfigExtractRule	Export

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the creation is successful
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating log collecting configuration

This example shows you how to create a log collecting configuration.

Input Example

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

```
X-TC-Action: CreateLogConfig
```

```
<Common request parameters>
```

```
{
  "TopicId": "xx",
  "Name": "xx",
  "EnvironmentId": "xx",
  "LogPath": "xx",
  "InputType": "xx",
  "LogType": "xx",
  "FilePattern": "xx",
  "ApplicationId": "xx",
  "LogsetId": "xx",
  "ExtractRule": {
    "BeginningRegex": "xxx",
    "Keys": [
      "xxx"
    ]
  }
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.CreateConfigDataError	Failed to create the configuration.
InternalServerError.CreateLogConfigError	Error while creating the LogConfig.
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InvalidParameterValue.ConfigDataAlreadyExist	This configuration already exists.
InvalidParameterValue.LogConfigAlreadyExist	The LogConfig already exists.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

Scaling Rule APIs

ModifyApplicationAutoscaler

Last updated : 2023-12-04 16:38:14

1. API Description

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

This API is used to modify a scaling rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyApplicationAutoscaler.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
AutoscalerId	No	String	Scaling rule ID

Autoscaler	No	Autoscaler	Auto scaling policy
------------	----	------------	---------------------

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the action is successful Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying a scalin rule

This example show you how to modify a scaling rule.

Input Example

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

{
  "SourceChannel": 0,
  "AutoscalerId": "xx",
  "Autoscaler": {
    "ModifyDate": "xx",
    "Description": "xx",
    "CronHorizontalAutoscaler": [
      {
        "Priority": 0,
        "Schedules": [
          {
            "StartAt": "xx",
            "TargetReplicas": 0
          }
        ]
      }
    ]
  }
}
```

```
],
  "Enabled": true,
  "Period": "xx",
  "Name": "xx"
}
],
  "MinReplicas": 0,
  "AutoscalerId": "xx",
  "Enabled": true,
  "HorizontalAutoscaler": [
    {
      "MinReplicas": 0,
      "Metrics": "xx",
      "Enabled": true,
      "Threshold": 0,
      "MaxReplicas": 0
    }
  ],
  "EnableDate": "xx",
  "AutoscalerName": "xx",
  "CreateDate": "xx",
  "MaxReplicas": 0
},
  "ApplicationId": "xx",
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError.DefaultInternalError	The server is busy. Retry later.
InvalidParameterValue.AtLeastOneScalerRuleShouldBeApplied	Please enable at least one type of scaling rules.
InvalidParameterValue.AutoScalerLargerThanOne	Only one auto scaler can be specified.
InvalidParameterValue.CronHpaReplicasInvalid	The specified desired capacity of the scheduled action is incorrect.
InvalidParameterValue.HpaMinMaxInvalid	The minimum or maximum number for auto scaling is invalid.
MissingParameter.MinMaxNumNull	The minimum and maximum number for auto scaling are required.
MissingParameter.ScalerIdNull	The scaling rule ID is missing.
ResourceUnavailable.ApplicationStopped	The application is stopped.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

EnableApplicationAutoscaler

Last updated : 2023-12-04 16:38:14

1. API Description

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

This API is used to enable a scaling rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: EnableApplicationAutoscaler.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Service ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
AutoscalerId	No	String	Scaling rule ID

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the action succeeded Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Enabling a scaling rule

This example shows you how to enable a scaling rule.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
ResourceUnavailable.ApplicationStopped	The application is stopped.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DisableApplicationAutoscaler

Last updated : 2023-12-04 16:38:14

1. API Description

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

This API is used to disable a scaling rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DisableApplicationAutoscaler.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
AutoscalerId	No	String	Scaling rule ID

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the action succeeded Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Disabling a scaling rule

This example shows you how to disable a scaling rule.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
ResourceUnavailable.ApplicationStopped	The application is stopped.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeApplicationAutoscalerList

Last updated : 2023-12-04 16:38:14

1. API Description

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

This API is used to query the scaling rules of an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeApplicationAutoscalerList.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.

3. Output Parameters

Parameter Name	Type	Description
Result	Array of Autoscaler	Scaling rule Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Obtaining the list of scaling rules

This example show you how to obtain the list of scaling rules.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": [
      {
        "MinReplicas": 0,
        "HorizontalAutoscaler": [
          {
            "MinReplicas": 0,
            "Metrics": "xx",
            "Threshold": 0,
            "MaxReplicas": 0
          }
        ]
      }
    ]
  }
}
```

```
],
"MaxReplicas": 0,
"CronHorizontalAutoscaler": [
{
"Priority": 0,
"Schedules": [
{
"StartAt": "xx",
"TargetReplicas": 0
}
],
},
],
"Enabled": true,
"Period": "xx",
"Name": "xx"
}
]
}
],
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DeleteApplicationAutoscaler

Last updated : 2023-12-04 16:38:14

1. API Description

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

This API is used to delete a scaling rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteApplicationAutoscaler.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
AutoscalerId	No	String	Scaling rule ID

3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the action is successful Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying version specification

This example shows you how to modify version specification.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InvalidParameterValue.DisableScalerBeforeDelete	There is an auto scaler in used. Please disable it first.
MissingParameter.ScalerIdNull	The scaling rule ID is missing.
ResourceUnavailable.ApplicationStopped	The application is stopped.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

CreateApplicationAutoscaler

Last updated : 2023-12-04 16:38:15

1. API Description

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

This API is used to create a scaling rule.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateApplicationAutoscaler.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
Autoscaler	No	Autoscaler	Auto scaling rule

3. Output Parameters

Parameter Name	Type	Description
Result	String	Scaling rule ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a scaling rule

This example shows you how to create a scaling rule.

Input Example

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

{
  "SourceChannel": 0,
  "Autoscaler": {
    "ModifyDate": "xx",
    "Description": "xx",
    "CronHorizontalAutoscaler": [
      {
        "Priority": 0,
        "Schedules": [
          {
            "StartAt": "xx",
            "TargetReplicas": 0
          }
        ],
        "Enabled": true,
        "Period": "xx",
        "Name": "xx"
      }
    ],
  }
```

```
"MinReplicas": 0,
"AutoscalerId": "xx",
"Enabled": true,
"HorizontalAutoscaler": [
{
"MinReplicas": 0,
"Metrics": "xx",
"Enabled": true,
"Threshold": 0,
"MaxReplicas": 0
}
],
"EnableDate": "xx",
"AutoscalerName": "xx",
"CreateDate": "xx",
"MaxReplicas": 0
},
"ApplicationId": "xx",
"EnvironmentId": "xx"
}
```

Output Example

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

5. Developer Resources

SDK

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

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError.DefaultInternalError	The server is busy. Retry later.
InvalidParameterValue.AtLeastOneScalerRuleShouldBeApplied	Please enable at least one type of scaling rules.
InvalidParameterValue.AutoScalerLargerThanOne	Only one auto scaler can be specified.
InvalidParameterValue.AutoScalerNameInvalid	
InvalidParameterValue.CronHpaReplicasInvalid	The specified desired capacity of the scheduled action is incorrect.
InvalidParameterValue.HpaMetricsInvalid	The desired capacity of scaling is incorrect.
InvalidParameterValue.HpaThresholdInvalid	Invalid elastic scaling threshold
InvalidParameterValue.InvalidCronScalerPeriod	Invalid scheduled period
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.ScalerNameDuplicated	The auto scaler name already exists.
MissingParameter.AutoScalerNameNull	The scaling rule name cannot be empty
MissingParameter.MinMaxNumNull	The minimum and maximum number for auto scaling are required.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceUnavailable.ApplicationStopped	The application is stopped.

UnauthorizedOperation.UnauthorizedOperation	Not authorized
---	----------------

Other APIs

CreateCosToken

Last updated : 2023-12-04 16:38:15

1. API Description

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

This API is used to generate a COS temporary key.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateCosToken.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
PkgName	Yes	String	Package name
OptType	Yes	Integer	Operation type. 1: upload; 2: query
SourceChannel	No	Integer	Source channel
TimeVersion	No	String	Input parameter of <code>deployVersion</code>

3. Output Parameters

Parameter Name	Type	Description
Result	CosToken	<code>CosToken</code> object in case of success and <code>null</code> in case of failure Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Generating a COS temporary key

This example shows you how to generate a COS temporary key for an uploaded JAR or WAR package.

Input Example

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

{
  "PkgName": "xx",
  "TimeVersion": "xx",
  "ApplicationId": "xx",
  "SourceChannel": 0,
  "OptType": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": {}
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.ActionReadTimeout	Request timed out
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

Application Version APIs

DeleteApplication

Last updated : 2023-12-04 16:38:20

1. API Description

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

This API is used to delete an application.

- Stop running the current application
- Delete resources related to the application
- Delete the application

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteApplication.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID.

EnvironmentId	Yes	String	Environment ID
SourceChannel	No	Integer	Source channel. Please keep the default value.
DeleteApplicationIfNoRunningVersion	No	Boolean	Whether to delete this application automatically when there is no running version.

3. Output Parameters

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

4. Example

Example1 Deleting an application

This example deletes an application.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "DeleteApplicationIfNoRunningVersion": true,
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81f74023-563c-437d-abf7-8139449ef178",
    "Result": true
  }
}
```

5. Developer Resources

SDK

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

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
FailedOperation.DefaultInternalError	The server is busy. Retry later.
FailedOperation.DeleteServiceError	Failed to delete the application
FailedOperation.DescribeIngressListError	Failed to query the ingress list
InternalError.ActionReadTimeout	Request timed out

InternalError.DefaultInternalError	The server is busy. Retry later.
InternalError.DeleteServiceError	Failed to delete the application
InternalError.DescribeIngressListError	Failed to query the ingress list
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.ServiceFoundRunningVersion	There are running pods in this application.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
InvalidParameterValue.VersionRouteRateNotZero	There is still traffic routed to this version.
ResourceInUse.ResourceAlreadyLocked	The specified resource is occupied by another operation. Please try again later.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
ResourceNotFound.VersionServiceNotFound	The environment corresponding to this version is not found.
ResourceUnavailable.ApplicationNotDeletable	Failed to delete: The application is used by other resources.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

StopApplication

Last updated : 2023-12-04 16:38:19

1. API Description

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

This API is used to stop an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: StopApplication.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
SourceChannel	No	Integer	Retain as default
EnvironmentId	No	String	Environment ID

3. Output Parameters

--	--	--

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

4. Example

Example1 Stopping an application

This examples stops an application.

Input Example

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

{
  "SourceChannel": 0,
  "ApplicationId": "xx",
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalError.StopApplicationError	Failed to stop an application
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

RestartApplication

Last updated : 2023-12-04 16:39:51

1. API Description

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

This API is used to restart an application.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: RestartApplication.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ApplicationId	Yes	String	Application ID
SourceChannel	No	Integer	Retain as default
EnvironmentId	No	String	Environment ID

3. Output Parameters

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

4. Example

Example1 Restarting an application

Input Example

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

{
  "ApplicationId": "abc",
  "SourceChannel": 0,
  "EnvironmentId": "abc"
}
```

Output Example

```
{
  "Response": {
    "Result": true,
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InternalServerError.RestartApplicationError	Failed to restart
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
OperationDenied.ResourceIsolated	There're overdue payments under your account. Please make the payment first.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

DescribeApplicationsStatus

Last updated : 2023-12-04 16:38:20

1. API Description

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

This API is used to query the status of all applications in an environment.

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

We recommend you to use API Explorer

[Try it](#)

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

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeApplicationsStatus.
Version	Yes	String	Common Params . The value used for this API: 2021-07-01.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
SourceChannel	No	Integer	Source channel. Please keep the default value.
EnvironmentId	No	String	Environment ID

3. Output Parameters

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

Name		
Result	Array of ServiceVersionBrief	Returned result.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the status of all applications in the specified environment

This document shows you how to query the status of all application in the specified environment.

Input Example

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

{
  "SourceChannel": 0,
  "EnvironmentId": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": [
      {
        "Status": "xx",
        "CurrentInstances": 0,
        "LogOutputConf": {
          "ClsLogTopicId": "xx",
          "ClsLogsetName": "xx",
          "ClsLogsetId": "xx",
          "ClsLogTopicName": "xx",
          "OutputType": "xx"
        },
        "EnableEs": 0,
        "PodList": {
```

```
"TotalCount": 0,
"Limit": 0,
"RequestId": "xx",
"PodList": [
{
  "Webshell": "xx",
  "Status": "xx",
  "RestartCount": 0,
  "StartTime": "xx",
  "Zone": "xx",
  "PodId": "xx",
  "NodeInfo": {
    "SubnetId": "xx",
    "Cidr": "xx",
    "AvailableIpCount": "xx",
    "Name": "xx",
    "Zone": "xx"
  },
  "VersionId": "xx",
  "UnhealthyWarningMsg": "xx",
  "DeployVersion": "xx",
  "PodIp": "xx",
  "ContainerState": "xx",
  "Ready": true,
  "ApplicationName": "xx",
  "CreateTime": "xx",
  "Unhealthy": true
}
],
"Offset": 0
},
"EnvironmentId": "xx",
"CreateDate": "xx",
"BuildTaskId": "xx",
"DeployMode": "xx",
"WorkloadInfo": {
  "ApplicationName": "xx",
  "UpdateRevision": "xx",
  "UpdatedReadyReplicas": 0,
  "Replicas": 0,
  "ClusterId": "xx",
  "UpdatedReplicas": 0,
  "VersionName": "xx",
  "CurrentRevision": "xx",
  "ReadyReplicas": 0
},
"Zones": [
```

```
"xx"
],
"VersionId": "xx",
"UnderDeploying": true,
"BatchDeployStatus": "xx",
"VersionName": "xx",
"ExpectedInstances": 0,
"NodeInfos": [
{
"SubnetId": "xx",
"Cidr": "xx",
"AvailableIpCount": "xx",
"Name": "xx",
"Zone": "xx"
}
],
"ApplicationId": "xx",
"EnvironmentName": "xx",
"ApplicationName": "xx"
}
],
"RequestId": "xx"
}
}
```

5. Developer Resources

SDK

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

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

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

Error Code	Description
InternalServerError.DefaultInternalServerError	The server is busy. Retry later.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
UnauthorizedOperation.UnauthorizedOperation	Not authorized

Data Types

Last updated : 2023-03-24 10:18:14

Autoscaler

Scaling rule

Used by actions: CreateApplicationAutoscaler, DescribeApplicationAutoscalerList, DescribeApplicationInfo, ModifyApplicationAutoscaler.

Name	Type	Required	Description
MinReplicas	Integer	Yes	Minimum number of instances in a scaling group
MaxReplicas	Integer	Yes	Maximum number of instances in a scaling group
HorizontalAutoscaler	Array of HorizontalAutoscaler	No	Policy of the scaling rule Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CronHorizontalAutoscaler	Array of CronHorizontalAutoscaler	No	Scheduled auto-scaler policy Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
AutoscalerId	String	No	Scaling rule ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
AutoscalerName	String	No	Scaling rule name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Description	String	No	Description of the scaling rule Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CreateDate	String	No	Creation time

			Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ModifyDate	String	No	Modification time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnableDate	String	No	Start Time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Enabled	Boolean	No	Whether it is enabled Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

ConfigData

Configuration

Used by actions: DescribeConfigData, DescribeConfigDataList.

Name	Type	Description
Name	String	Configuration name
CreateTime	String	Creation time.
RelatedApplications	Array of TemService	List of associated applications
Data	Array of Pair	Configuration item

CosToken

Cos token

Used by actions: CreateCosToken.

Name	Type	Description

RequestId	String	Unique request ID
Bucket	String	Bucket name
Region	String	Bucket region
TmpSecretId	String	Temporary key SecretId
TmpSecretKey	String	Temporary key SecretKey
SessionToken	String	<code>sessionToken</code> of temporary key
StartTime	String	Start time of temporary key acquisition
ExpiredTime	String	<code>ExpiredTime</code> of temporary key
FullPath	String	Full package path

CronHorizontalAutoscaler

Scheduled Scaling Policy

Used by actions: `CreateApplicationAutoscaler`, `DeployApplication`, `DescribeApplicationAutoscalerList`, `DescribeApplicationInfo`, `ModifyApplicationAutoscaler`.

Name	Type	Required	Description
Name	String	Yes	Name of a scheduled scaling policy
Period	String	Yes	Policy period <i>"* * *" indicates three ranges. The first is day, the second month, and the third week. The three parts are separated by spaces.</i> <i>Examples:</i> * * (every day) * * 0-3 (every Sunday through Wednesday) 1,11,21 * * (1st, 11th, and 21st of every month)
Schedules	Array of CronHorizontalAutoscalerSchedule	Yes	Details of a scheduled scaling policy
Enabled	Boolean	Yes	Enabled or not
Priority	Integer	No	Policy priority. The higher the value, the higher the priority. The minimum value is 0.

CronHorizontalAutoscalerSchedule

Details of a scheduled scaling policy

Used by actions: CreateApplicationAutoscaler, DeployApplication, DescribeApplicationAutoscalerList, DescribeApplicationInfo, ModifyApplicationAutoscaler.

Name	Type	Required	Description
StartAt	String	Yes	Triggering time, in the format of HH:MM Example: 00:00 (Trigger at midnight)
TargetReplicas	Integer	No	Number of target pods (less than 50) Note: this field may return <code>null</code> , indicating that no valid values can be obtained.

DeployStrategyConf

Configuration of batch release policies

Used by actions: DeployApplication, DescribeApplicationInfo.

Name	Type	Required	Description
TotalBatchCount	Integer	No	Total batches
BetaBatchNum	Integer	No	Number of pods for the beta batch
DeployStrategyType	Integer	No	Batch deployment policy. <code>0</code> : automatically; <code>1</code> : manually; <code>2</code> : beta batch (manual), <code>3</code> : initial release
BatchInterval	Integer	No	Interval between batches
MinAvailable	Integer	No	The minimum number of available pods
Force	Boolean	No	Whether to enable force release

DescribeConfigDataListPage

Query the list of configurations

Used by actions: DescribeConfigDataList.

Name	Type	Description
Records	Array of ConfigData	Record
ContinueToken	String	Paging cursor Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RemainingCount	Integer	Remaining number Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

DescribeRunPodPage

Version pod list

Used by actions: DescribeApplicationInfo, DescribeApplicationPods, DescribeApplicationsStatus.

Name	Type	Description
Offset	Integer	Page offset
Limit	Integer	Number of records per page
TotalCount	Integer	Total number of returned records
RequestId	String	Request ID
PodList	Array of RunVersionPod	List of pods

EksService

EKS service information

Used by actions: DeployApplication, DescribeApplicationInfo, DescribeApplicationServiceList, ModifyApplicationService.

Name	Type	Required	Description

Name	String	No	Service name
Ports	Array of Integer	No	Available ports
Yaml	String	No	Yaml contents
ApplicationName	String	No	Service name Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
VersionName	String	No	Version name Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
ClusterIp	Array of String	No	Private IP Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
ExternalIp	String	No	Public IP Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Type	String	No	The access type. Valid values: - EXTERNAL (internet access) - VPC (Intra-VPC access) - CLUSTER (Intra-cluster access) Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
SubnetId	String	No	Subnet ID. It is filled when the access type is <code>VPC</code> . Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
LoadBalancerId	String	No	Load balancer ID. It is filled when the access type is <code>EXTERNAL</code> or <code>CLUSTER</code> . It's created automatically by default. Note: this field may return <code>null</code> , indicating that no valid values can be obtained.

PortMappings	Array of PortMapping	No	Port mapping Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
ServicePortMappingList	Array of ServicePortMapping	No	Details of each type of access configuration Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
FlushAll	Boolean	No	Flush all types Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnableRegistryNextDeploy	Integer	No	<code>0</code> : Do not inject. <code>1</code> : Inject registry information automatically for the next deployment Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApplicationId	String	No	The application ID returned. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
AllIpDone	Boolean	No	Whether all the application IPs are ready Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ExternalDomain	String	No	CLB domain name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

EnablePrometheusConf

Enable Prometheus monitoring

Used by actions: `DeployApplication`, `DescribeApplicationInfo`.

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Name	Type	Required	Description
Port	Integer	No	The listening port of the applicaiton
Path	String	No	URL path for monitoring

EsInfo

Auto scaling configuration

Used by actions: DeployApplication, DescribeApplicationInfo.

Name	Type	Required	Description
MinAliveInstances	Integer	Yes	Minimum number of instances
MaxAliveInstances	Integer	Yes	Maximum number of instances
EsStrategy	Integer	Yes	Auto scaling policy. 1: CPU; 2: memory
Threshold	Integer	Yes	Auto scaling condition value
VersionId	String	No	Version ID

HealthCheckConfig

Health check configuration

Used by actions: DeployApplication, DescribeApplicationInfo.

Name	Type	Required	Description
Type	String	Yes	Health check type. Valid values: <code>HttpGet</code> , <code>TcpSocket</code> , <code>Exec</code>
Protocol	String	No	The protocol type. It's only valid when the health check type is <code>HttpGet</code> .
Path	String	No	The request path. It's only valid when the health check type is <code>HttpGet</code> .
Exec	String	No	The script to be executed. It's only valid when the health check type is <code>Exec</code> .

Port	Integer	No	The request port. It's only valid when the health check type is <code>HttpGet</code> or <code>TcpSocket</code> .
InitialDelaySeconds	Integer	No	The initial delay for health check in seconds. Default: <code>0</code>
TimeoutSeconds	Integer	No	Timeout period in seconds. Default: <code>1</code>
PeriodSeconds	Integer	No	Interval period in seconds. Default: <code>10</code>

HorizontalAutoscaler

Auto scaling policy

Used by actions: `CreateApplicationAutoscaler`, `DeployApplication`, `DescribeApplicationAutoscalerList`, `DescribeApplicationInfo`, `ModifyApplicationAutoscaler`.

Name	Type	Required	Description
MinReplicas	Integer	No	(Optional) Minimum number of instances
MaxReplicas	Integer	No	(Optional) Maximum number of instances
Metrics	String	No	Metric measurement <code>CPU</code> : CPU utilization (%) <code>MEMORY</code> : Memory utilization (%) <code>CPU_CORE_USED</code> : CPU usage (core) <code>MEMORY_SIZE_USED</code> : Memory usage (MiB) <code>NETWORK_BANDWIDTH_RECEIVE</code> : Network bandwidth in (Mbps) <code>NETWORK_BANDWIDTH_TRANSMIT</code> : Network bandwidth out (Mbps) <code>NETWORK_TRAFFIC_RECEIVE</code> : Network traffic in (MiB/s) <code>NETWORK_TRAFFIC_TRANSMIT</code> : Network traffic out (MiB/s) <code>NETWORK_PACKETS_RECEIVE</code> : Network packets in (packets/sec) <code>NETWORK_PACKETS_TRANSMIT</code> : Network packets out (packets/sec) <code>FS_IOPS_WRITE</code> : Disk writes (count/sec) <code>FS_IOPS_READ</code> : Disk reads (count/sec) <code>FS_SIZE_WRITE</code> : Disk write size (MiB/s) <code>FS_SIZE_READ</code> : Disk read size (MiB/s)
Threshold	Integer	No	The value of threshold (integer)

Enabled	Boolean	No	Whether it is enabled
DoubleThreshold	Float	No	The value of threshold (demical) Note: This field may return null, indicating that no valid values can be obtained.

IngressInfo

Ingress configuration

Used by actions: DescribeIngress, DescribeIngresses, DescribeRelatedIngresses, ModifyIngress.

Name	Type	Required	Description
EnvironmentId	String	Yes	Environment ID Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
ClusterNamespace	String	Yes	Environment namespace
AddressIPVersion	String	Yes	ip version
IngressName	String	Yes	ingress name
Rules	Array of IngressRule	Yes	Rules configuration
ClbId	String	No	clb ID Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Tls	Array of IngressTls	No	TLS configuration Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
ClusterId	String	No	Environment cluster ID Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Vip	String	No	clb ip Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
CreateTime	String	No	Creation time Note: this field may return <code>null</code> , indicating that no valid

			values can be obtained.
Mixed	Boolean	No	Whether to listen on both the HTTP 80 port and HTTPS 443 port. The default value is <code>false</code> . The optional value <code>true</code> means listening on both the HTTP 80 port and HTTPS 443 port.
RewriteType	String	No	Redirection mode. Values: - <code>AUTO</code> (automatically redirect HTTP to HTTPS) - <code>NONE</code> (no redirection) Note: This field may return <code>null</code> , indicating that no valid value can be obtained.
Domain	String	No	CLB domain name Note: This field may return <code>null</code> , indicating that no valid value can be obtained.

IngressRule

Ingress rule configuration

Used by actions: DescribeIngress, DescribeIngresses, DescribeRelatedIngresses, ModifyIngress.

Name	Type	Required	Description
Http	IngressRuleValue	Yes	ingress rule value
Host	String	No	Host address Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Protocol	String	No	Protocol. Options include HTTP and HTTPS. The default option is HTTP.

IngressRuleBackend

Ingress rule backend configuration

Used by actions: DescribeIngress, DescribeIngresses, DescribeRelatedIngresses, ModifyIngress.

Name	Type	Required	Description
ServiceName	String	Yes	EKS service name

ServicePort	Integer	Yes	EKS service port
-------------	---------	-----	------------------

IngressRulePath

Ingress rule path configuration

Used by actions: DescribeIngress, DescribeIngresses, DescribeRelatedIngresses, ModifyIngress.

Name	Type	Required	Description
Path	String	Yes	Path information
Backend	IngressRuleBackend	Yes	Backend configuration

IngressRuleValue

Ingress rule value configuration

Used by actions: DescribeIngress, DescribeIngresses, DescribeRelatedIngresses, ModifyIngress.

Name	Type	Required	Description
Paths	Array of IngressRulePath	Yes	Overall rule configuration

IngressTls

Ingress TLS configuration

Used by actions: DescribeIngress, DescribeIngresses, DescribeRelatedIngresses, ModifyIngress.

Name	Type	Required	Description
Hosts	Array of String	Yes	Host array. An empty array indicates the default certificate for all domain names.
SecretName	String	Yes	Secret name. If a certificate is used, this field is left empty.
CertificateId	String	No	SSL Certificate Id

LogConfig

Log collection configuration

Used by actions: DescribeLogConfig, DescribePagedLogConfigList, ModifyLogConfig.

Name	Type	Description
Name	String	Name.
InputType	String	Collection type. Values: <code>container_stdout</code> (standard); <code>container_file</code> (file)
LogsetId	String	Logset ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
TopicId	String	Log topic ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
LogType	String	Log withdrawal mode. Values: <code>minimalist_log</code> (full text in a single line); <code>multiline_log</code> (full text in multiple lines); <code>fullregex_log</code> (regex in a single line); <code>multiline_fullregex_log</code> (regex in multiple lines), <code>json_log</code> (JSON);
BeginningRegex	String	First line regex. It's valid when <code>LogType</code> is <code>multiline_log</code> or <code>multiline_fullregex_log</code> . Note: This field may return <code>null</code> , indicating that no valid value was found.
LogPath	String	Directory of files to collect. It's valid when <code>InputType</code> is <code>container_file</code> . Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
FilePattern	String	Name pattern of files to collect. It's valid when <code>InputType</code> is <code>container_file</code> . Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CreateDate	String	Creation time. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

ModifyDate	String	Update time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApplicationId	String	Application ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApplicationName	String	Application name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ExtractRule	LogConfigExtractRule	Export rules Note: This field may return <code>null</code> , indicating that no valid value was found.

LogConfigExtractRule

Configuration of log exporting rule

Used by actions: CreateLogConfig, DescribeLogConfig, DescribePagedLogConfigList, ModifyLogConfig.

Name	Type	Required	Description
BeginningRegex	String	No	First line regex Note: This field may return <code>null</code> , indicating that no valid value was found.
Keys	Array of String	No	Withdrawl result Note: This field may return <code>null</code> , indicating that no valid value was found.
FilterKeys	Array of String	No	Filter keys Note: This field may return <code>null</code> , indicating that no valid value was found.
FilterRegex	Array of String	No	Filter values Note: This field may return <code>null</code> , indicating that no valid value was found.
LogRegex	String	No	Log regex Note: This field may return <code>null</code> , indicating that no valid value was found.
TimeKey	String	No	Time field

			Note: This field may return <code>null</code> , indicating that no valid value was found.
TimeFormat	String	No	Time Format Note: This field may return <code>null</code> , indicating that no valid value was found.
UnMatchUpload	String	No	- Enable the upload of the log that failed to parse Note: This field may return <code>null</code> , indicating that no valid value was found.
UnMatchedKey	String	No	Key of log failed to be parsed Note: This field may return <code>null</code> , indicating that no valid value was found.
Backtracking	String	No	tracking Note: This field may return null, indicating that no valid values can be obtained.
Delimiter	String	No	Separator Note: This field may return null, indicating that no valid values can be obtained.

LogConfigListPage

List of LogConfig

Used by actions: DescribePagedLogConfigList.

Name	Type	Description
Records	Array of LogConfig	Record Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ContinueToken	String	Paging cursor Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

LogOutputConf

Log output configuration

Used by actions: DeployApplication, DescribeApplicationInfo, DescribeApplicationsStatus.

Name	Type	Required	Description
OutputType	String	Yes	Log consumer type
ClsLogsetName	String	No	CLS logset
ClsLogTopicId	String	No	CLS log topic
ClsLogsetId	String	No	CLS logset ID
ClsLogTopicName	String	No	CLS log topic name

MountedSettingConf

Mounting configurations

Used by actions: DeployApplication, DescribeApplicationInfo.

Name	Type	Required	Description
ConfigDataName	String	Yes	Configuration name
MountedPath	String	Yes	Mount point path
Data	Array of Pair	No	Configuration content
SecretDataName	String	No	Encrypt configuration name

NamespaceInfo

Basic information of the namespace

Used by actions: DescribeEnvironment.

Name	Type	Description
EnvironmentId	String	ID
NamespaceName	String	(Disused) Name
Region	String	Region

VpcId	String	vpc id
SubnetIds	Array of String	Array of subnet IDs
Description	String	Description
CreatedDate	String	Creation time
EnvironmentName	String	Environment name Note: This field may return null, indicating that no valid values can be obtained.
ApmInstanceId	String	APM instance ID Note: This field may return null, indicating that no valid values can be obtained.
Locked	Integer	Whether the environment is locked. <code>1</code> : Locked, <code>0</code> : Not locked Note: This field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Tag Note: This field may return <code>null</code> , indicating that no valid value was found.
EnvType	String	Environment type. Values: <code>test</code> , <code>pre</code> , <code>prod</code> Note: This field may return <code>null</code> , indicating that no valid value was found.

NamespacePage

Namespace query result pagination

Used by actions: DescribeEnvironments.

Name	Type	Description
Records	Array of TemNamespaceInfo	Details of the returned records
Total	Integer	Total number of returned records
Size	Integer	Number of records per page
Pages	Integer	Total number of pages

Current	Integer	Current entry Note: This field may return null, indicating that no valid values can be obtained.
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NamespaceStatusInfo

Environment status

Used by actions: DescribeEnvironmentStatus.

Name	Type	Required	Description
EnvironmentId	String	Yes	ID of the environment
EnvironmentName	String	Yes	Environment name
ClusterId	String	No	TCB envId EKS clusterId
ClusterStatus	String	No	Environment status
EnvironmentStartingStatus	TemEnvironmentStartingStatus	No	Whether the environment is being started. <code>null</code> is returned if it's not being started. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnvironmentStoppingStatus	TemEnvironmentStoppingStatus	No	Whether the environment is being stopped. <code>null</code> is returned if it's not being stopped. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

NodeInfo

Node information

Used by actions: DescribeApplicationInfo, DescribeApplicationPods, DescribeApplicationsStatus.

Name	Type	Description
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Name	String	Node name
Zone	String	Availability zone of the node Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
SubnetId	String	Node subnet ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
AvailableIpCount	String	Number of available IPs Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Cidr	String	CIDR block Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

Pair

Key value pair

Used by actions: CreateConfigData, DeployApplication, DescribeApplicationInfo, DescribeConfigData, ModifyConfigData.

Name	Type	Required	Description
Key	String	Yes	Key
Value	String	Yes	Value
Type	String	No	<code>default``</code> : Custom. <code>reserved</code> : System variable. <code>referenced</code> : Referenced configuration item. Note: This field may return <code>null</code> , indicating that no valid value can be found.
Config	String	No	Configuration name Note: This field may return <code>null</code> , indicating that no valid value can be found.
Secret	String	No	Encrypt configuration name Note: This field may return <code>null</code> , indicating that no valid value was found.

PortMapping

Service port mapping

Used by actions: DeployApplication, DescribeApplicationServiceList, ModifyApplicationService.

Name	Type	Required	Description
Port	Integer	Yes	Port.
TargetPort	Integer	Yes	Mapped port
Protocol	String	Yes	TCP/UDP protocol stack.
ServiceName	String	No	K8s service name

QueryFilter

Filters for query

Used by actions: DescribeApplications, DescribeEnvironments.

Name	Type	Required	Description
Name	String	No	Name of the field to query
Value	Array of String	No	Value of the field to query

RunVersionPod

Application pod

Used by actions: DescribeApplicationPods.

Name	Type	Description
Webshell	String	Shell address
PodId	String	Pod ID
Status	String	Status
CreateTime	String	Creation time

PodIp	String	Pod IP
Zone	String	Availability zone Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
DeployVersion	String	Deployed version Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RestartCount	Integer	Number of restarts Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Ready	Boolean	Whether the pod is ready Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
ContainerState	String	Container status Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
NodeInfo	NodeInfo	Information of the node whether the instance locates Note: This field may return <code>null</code> , indicating that no valid value was found.
StartTime	String	Start time Note: this field may return <code>null</code> , indicating that no valid value can be obtained.
Unhealthy	Boolean	Whether the status is unhealthy or healthy Note: this field may return <code>null</code> , indicating that no valid value can be obtained.
UnhealthyWarningMsg	String	Warning message when the result is unhealthy Note: This field may return <code>null</code> , indicating that no valid value was found.
VersionId	String	Version ID Note: This field may return <code>null</code> , indicating that no valid value was found.
ApplicationName	String	Application name Note: this field may return <code>null</code> , indicating that no valid values can be obtained.

ServicePage

List of returned applications

Used by actions: DescribeApplications.

Name	Type	Required	Description
Records	Array of TemService	Yes	List of applications
Total	Integer	Yes	Total number of applications
Size	Integer	Yes	Number of applications per page
Pages	Integer	Yes	Total number of pages
Current	Integer	No	Number of current entries Note: This field may return <code>null</code> , indicating that no valid value was found.

ServicePortMapping

Port mapping details

Used by actions: CreateApplicationService, DeployApplication, DescribeApplicationServiceList, ModifyApplicationService.

Name	Type	Required	Description
Type	String	No	Specifies how a layer-4 proxy is created. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ServiceName	String	No	Application name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ClusterIp	String	No	VIP for access within the environment Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

Externallp	String	No	Cluster external IP Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
SubnetId	String	No	Subnet ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
VpcId	String	No	VPC ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
LoadBalancerId	String	No	Load balancer ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Yaml	String	No	YAML contents Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Ports	Array of Integer	No	List of exposed ports Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
PortMappingItemList	Array of ServicePortMappingItem	No	Port mapping array Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ExternalDomain	String	No	CLB domain name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

ServicePortMappingItem

Application port mapping

Used by actions: CreateApplicationService, DeployApplication, DescribeApplicationServiceList, ModifyApplicationService.

Name	Type	Required	Description
Port	Integer	No	Application access port Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
TargetPort	Integer	No	Application listening port Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Protocol	String	No	Protocol type Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

ServiceVersionBrief

List of application versions

Used by actions: DescribeApplications, DescribeApplicationsStatus, DescribeConfigData.

Name	Type	Description
VersionName	String	Version name
Status	String	Status of version
EnableEs	Integer	(Disused) Whether to enable elastic scaling
CurrentInstances	Integer	Number of current instances
VersionId	String	Version ID
LogOutputConf	LogOutputConf	(Disused) Log output configuration Note: This field may return null, indicating that no valid values can be obtained.
ExpectedInstances	Integer	Expected number of instances Note: This field may return null, indicating that no valid values can be obtained.
DeployMode	String	Deployment mode Note: This field may return null, indicating that no valid values

		can be obtained.
BuildTaskId	String	Task ID Note: This field may return null, indicating that no valid values can be obtained.
EnvironmentId	String	Environment ID Note: This field may return null, indicating that no valid values can be obtained.
EnvironmentName	String	Environment name Note: This field may return null, indicating that no valid values can be obtained.
ApplicationId	String	Application ID. Note: This field may return null, indicating that no valid values can be obtained.
ApplicationName	String	Application name Note: This field may return null, indicating that no valid values can be obtained.
UnderDeploying	Boolean	Whether the application is being deployed Note: This field may return null, indicating that no valid values can be obtained.
BatchDeployStatus	String	Status of batch deployment Note: This field may return <code>null</code> , indicating that no valid value was found.
Zones	Array of String	Availability zones Note: This field may return <code>null</code> , indicating that no valid value was found.
NodeInfos	Array of NodeInfo	Node information Note: This field may return <code>null</code> , indicating that no valid value was found.
PodList	DescribeRunPodPage	Pod information Note: This field may return <code>null</code> , indicating that no valid value was found.
WorkloadInfo	WorkloadInfo	Workload information Note: This field may return <code>null</code> , indicating that no valid value was found.
CreateDate	String	Creation time

		Note: This field may return <code>null</code> , indicating that no valid value was found.
RegionId	String	Region ID Note: This field may return null, indicating that no valid values can be obtained.

SortType

Query filter

Used by actions: DescribeApplications, DescribeEnvironments.

Name	Type	Required	Description
Key	String	No	Name of the sorting field
Type	Integer	No	<code>0</code> : Ascending; <code>1</code> : Descending

StorageConf

Storage volume configuration

Used by actions: DeployApplication, DescribeApplicationInfo.

Name	Type	Required	Description
StorageVolName	String	Yes	Storage volume name
StorageVolPath	String	Yes	Storage volume path
StorageVolIp	String	No	Storage volume IP Note: this field may return <code>null</code> , indicating that no valid values can be obtained.

StorageMountConf

Data volume mount information

Used by actions: DeployApplication, DescribeApplicationInfo.

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Name	Type	Required	Description
VolumeName	String	Yes	Data volume name
MountPath	String	Yes	Data volume binding path

Tag

Information of tags

Used by actions: CreateApplication, CreateEnvironment, DescribeApplicationInfo, DescribeApplications, DescribeConfigData, DescribeEnvironment, DescribeEnvironments.

Name	Type	Required	Description
TagKey	String	No	The tag key. Note: This field may return null, indicating that no valid values can be obtained.
TagValue	String	No	The tag value. Note: This field may return null, indicating that no valid values can be obtained.

TemEnvironmentStartingStatus

Environment startup processes (Only applications started by the environment startup)

Used by actions: DescribeEnvironmentStatus.

Name	Type	Required	Description
ApplicationNumNeedToStart	Integer	No	Number of applications to start Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
StartedApplicationNum	Integer	No	Number of started applications Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
StartFailedApplicationNum	Integer	No	Number of applications failed to be started Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

TemEnvironmentStoppingStatus

Processes stopped by the environment (Only applications stopped by the action of stopping the environment)

Used by actions: DescribeEnvironmentStatus.

Name	Type	Required	Description
ApplicationNumNeedToStop	Integer	No	Number of applications to stop Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
StoppedApplicationNum	Integer	No	Number of stopped applications Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
StopFailedApplicationNum	Integer	No	Number of applications failed to be stopped Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

TemNamespaceInfo

Namespace object

Used by actions: DescribeEnvironments.

Name	Type	Description
EnvironmentId	String	Environment ID
Channel	String	Channel
EnvironmentName	String	Environment name
Region	String	Region name
Description	String	Environment description Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Status	Integer	Status. <code>1</code> : terminated; <code>0</code> : normal
Vpc	String	VPC network
CreateDate	String	Creation time

ModifyDate	String	Modification time
Modifier	String	Modifier
Creator	String	Creator
ApplicationNum	Integer	Number of applications
RunInstancesNum	Integer	Number of running instances
SubnetId	String	Subnet
ClusterStatus	String	Environment cluster status
EnableTswTraceService	Boolean	Whether to enable TSW
Locked	Integer	Whether the environment is locked. <code>1</code> : locked; <code>0</code> : not locked
AppId	String	User AppId Note: This field may return null, indicating that no valid values can be obtained.
Uin	String	User UIN Note: This field may return null, indicating that no valid values can be obtained.
SubAccountUin	String	The UIN of sub-account Note: This field may return null, indicating that no valid values can be obtained.
ClusterId	String	Application ID Note: This field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Tag. Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
HasAuthority	Boolean	Whether it's authorized to access the resource Note: This field may return null, indicating that no valid values can be obtained.
EnvType	String	Environment type. Values: <code>test</code> , <code>pre</code> , <code>prod</code> Note: This field may return <code>null</code> , indicating that no valid value was found.
RegionId	String	Region code Note: This field may return <code>null</code> , indicating that no valid value was

		found.
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TemService

Application details

Used by actions: DescribeApplications, DescribeConfigData.

Name	Type	Description
ApplicationId	String	Version ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApplicationName	String	Application name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Description	String	Description Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnvironmentId	String	ID of the environment Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CreateDate	Timestamp	Creation time. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ModifyDate	Timestamp	Modification time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Modifier	String	Modifier Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Creator	String	Creator account Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RepoType	Integer	TCR Individual or TCR Enterprise Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

InstanceId	String	ID of the TCR Enterprise instance Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RepoName	String	Name of the TCR instance Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CodingLanguage	String	Programming Language Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
DeployMode	String	Deployment mode Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnvironmentName	String	Environment name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ActiveVersions	Array of ServiceVersionBrief	The instance information where the application is running Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnableTracing	Integer	Whether to enable link tracing Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Tags	Array of Tag	Tag Note: This field may return <code>null</code> , indicating that no valid value was found.
HasAuthority	Boolean	Whether it's authorized to access the resource Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

TemServiceVersionInfo

Version information

Used by actions: DescribeApplicationInfo.

Name	Type	Required	Description
VersionId	String	Yes	Version ID

ApplicationId	String	Yes	Application ID
DeployMode	String	Yes	Deployment mode
JdkVersion	String	Yes	JDK version
Description	String	Yes	Description
DeployVersion	String	Yes	Deployed version
PublishMode	String	Yes	Publish mode
JvmOpts	String	Yes	Launch parameter
InitPodNum	Integer	Yes	Number of initial pods
CpuSpec	Float	Yes	CPU specification
MemorySpec	Float	Yes	Memory specification
ImgRepo	String	Yes	Image path
ImgName	String	Yes	Image name
ImgVersion	String	Yes	Image version
EsInfo	EsInfo	Yes	Scaling configuration Note: This field may return null, indicating that no valid values can be obtained.
EnvConf	Array of Pair	Yes	Environment configuration
StorageConfs	Array of StorageConf	Yes	Storage configuration
Status	String	Yes	Running status
Vpc	String	Yes	VPC
SubnetId	String	Yes	Subnets
CreateDate	String	Yes	Creation time
ModifyDate	String	Yes	Modification time
StorageMountConfs	Array of StorageMountConf	Yes	Mounting configuration Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

VersionName	String	Yes	Version name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
LogOutputConf	LogOutputConf	No	Log output configuration Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApplicationName	String	No	Application name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApplicationDescription	String	No	Application description Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnvironmentName	String	No	Environment name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnvironmentId	String	No	Environment ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
PublicDomain	String	No	Public network address Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnablePublicAccess	Boolean	No	Whether to enable public network access Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CurrentInstances	Integer	No	Number of current instances Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ExpectedInstances	Integer	No	Number of expected instances Note: This field may return <code>null</code> ,

			indicating that no valid values can be obtained.
CodingLanguage	String	No	Programming Language Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
PkgName	String	No	Program package name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EsEnable	Integer	No	Whether to enable auto scaling Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EsStrategy	Integer	No	Auto scaling policy Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ImageTag	String	No	Image tag Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
LogEnable	Integer	No	Whether to enable logging Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
MinAliveInstances	String	No	Minimum number of instances Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
SecurityGroupIds	Array of String	No	Security group IDs Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ImageCommand	String	No	Image command Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

ImageArgs	Array of String	No	Image command parameters Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
UseRegistryDefaultConfig	Boolean	No	Whether to use the default registry configurations Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Service	EksService	No	EKS access configuration Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
SettingConfs	Array of MountedSettingConf	No	Mounting configurations Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
LogConfs	Array of String	No	Log path information Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
PostStart	String	No	The script to execute right after the startu Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
PreStop	String	No	The script to run before stop Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Liveness	HealthCheckConfig	No	Configuration of aliveness probe Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Readiness	HealthCheckConfig	No	Configuration of readiness probe Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

HorizontalAutoscaler	Array of HorizontalAutoscaler	No	Auto scaling policy Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CronHorizontalAutoscaler	Array of CronHorizontalAutoscaler	No	Scheduled auto scaling policy Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Zones	Array of String	No	Availability zone of the application Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
LastDeployDate	String	No	The latest deployment time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
LastDeploySuccessDate	String	No	The latest successful deployment time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
NodeInfos	Array of NodeInfo	No	Information of the node whether the application is deployed Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ImageType	Integer	No	Image type. Values: <code>0</code> (Demo image), <code>1</code> (Normal image) Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnableTracing	Integer	No	Whether to Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnableTracingReport	Integer	No	(Disused) Whether to enable linkage trac and report. It only takes effect when EnableTracing = <code>1</code> .

			Note: This field may return null, indicating that no valid values can be obtained.
RepoType	Integer	No	Image type. <code>0</code> : Individual image; <code>1</code> : Enterprise image; <code>2</code> : Public image Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
BatchDeployStatus	String	No	Status of batch deployment: <code>batch_updating</code> , <code>batch_updating_waiting_config</code> Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApmInstanceId	String	No	APM instance ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
WorkloadInfo	WorkloadInfo	No	Workload information Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
SpeedUp	Boolean	No	Whether to enable application acceleration Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
StartupProbe	HealthCheckConfig	No	Configuration of the startup probe Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
OsFlavour	String	No	OS version. Values: - ALPINE - CENTOS Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
RepoServer	String	No	Image repository server Note: This field may return <code>null</code> ,

			indicating that no valid values can be obtained.
UnderDeploying	Boolean	No	Whether the application is being deployed Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnablePrometheusConf	EnablePrometheusConf	No	Whether to enable application metric monitoring Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
StoppedManually	Boolean	No	Whether it's stopped manually Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
TcrInstanceId	String	No	TCR instance ID Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EnableMetrics	Integer	No	<code>1</code> : Automatically enable metrics collection (open-telemetry) <code>0</code> : Disable metrics collection Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
AppId	String	No	User AppId Note: This field may return <code>null</code> , indicating that no valid value was found.
SubAccountUin	String	No	Sub Account UIN Note: This field may return <code>null</code> , indicating that no valid value was found.
Uin	String	No	User UIN Note: This field may return <code>null</code> , indicating that no valid value was found.
Region	String	No	Region Note: This field may return <code>null</code> , indicating that no valid value was found.
GroupId	String	No	Application group ID Note: This field may return <code>null</code> ,

			indicating that no valid value was found.
EnableRegistry	Integer	No	Whether to enable registry Note: This field may return <code>null</code> , indicating that no valid value was found.
AutoscalerList	Array of Autoscaler	No	Array of scaling rules Note: This field may return <code>null</code> , indicating that no valid value was found.
Modifier	String	No	Modifier Note: This field may return <code>null</code> , indicating that no valid value was found.
Creator	String	No	Creator Note: This field may return <code>null</code> , indicating that no valid value was found.
DeployStrategyConf	DeployStrategyConf	No	Deployment strategy Note: This field may return <code>null</code> , indicating that no valid value was found.
PodList	DescribeRunPodPage	No	List of pods Note: This field may return <code>null</code> , indicating that no valid value was found.
ConfEdited	Boolean	No	Whether the configuration has been changed during deployment Note: This field may return <code>null</code> , indicating that no valid value was found.
Tags	Array of Tag	No	Tag Note: This field may return <code>null</code> , indicating that no valid value was found.
PreStopEncoded	String	No	Whether to encode Note: This field may return null, indicating that no valid values can be obtained.
PostStartEncoded	String	No	Whether to encode Note: This field may return null, indicating that no valid values can be obtained.

UseDefaultRepoParameters

Repository parameters

Used by actions: CreateApplication.

Name	Type	Description
EnterpriseInstanceName	String	TCR Enterprise instance name Note: This field may return null, indicating that no valid values can be obtained.
EnterpriseInstanceChargeType	Integer	TCR Enterprise billing mode. <code>0</code> : Pay-as-you-go Note: This field may return null, indicating that no valid values can be obtained.
EnterpriseInstanceType	String	Edition of the TCR Enterprise. Values: <code>basic</code> , <code>standard</code> , <code>premium</code> (Advanced edition) Note: This field may return null, indicating that no valid values can be obtained.

WorkloadInfo

Workload details

Used by actions: DescribeApplicationInfo, DescribeApplicationsStatus.

Name	Type	Description
ClusterId	String	The resource ID. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ApplicationName	String	Application name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
VersionName	String	Version name Note: This field may return <code>null</code> , indicating that no valid value was found.
ReadyReplicas	Integer	Number of ready replicas Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Replicas	Integer	Number of replicas Note: This field may return <code>null</code> , indicating that no valid value was

		found.
UpdatedReplicas	Integer	Number of updated replicas Note: This field may return <code>null</code> , indicating that no valid value was found.
UpdatedReadyReplicas	Integer	Number of replicas ready for update Note: This field may return <code>null</code> , indicating that no valid value was found.
UpdateRevision	String	## Version Updates Note: This field may return <code>null</code> , indicating that no valid value was found.
CurrentRevision	String	Current Version Note: This field may return <code>null</code> , indicating that no valid value was found.

Error Codes

Last updated : 2023-12-04 16:38:22

Feature Description

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

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

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

Error Code List

Common Error Codes

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

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

	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
FailedOperation.ActionReadTimeout	Request timed out
FailedOperation.CreateServiceError	Failed to create the service.
FailedOperation.DefaultInternalError	The server is busy. Retry later.
FailedOperation.DeleteServiceError	Failed to delete the application
FailedOperation.DescribeIngressListError	Failed to query the ingress list
FailedOperation.DescribeRunPodListError	Failed to query the instance information
FailedOperation.DescribeServiceError	Failed to query the service.
FailedOperation.DescribeServiceListError	Failed to query the service list
FailedOperation.UpdateIngressError	Failed to update the ingress

InternalError.ActionReadTimeout	Request timed out
InternalError.AddNewNodeError	Exception occurs while adding the subnet/virtual node
InternalError.CreateApmResourceError	Failed to create the APM resource
InternalError.CreateConfigDataError	Failed to create the configuration.
InternalError.CreateEksClusterError	Failed to create the underlayer cluster
InternalError.CreateLogConfigError	Error while creating the LogConfig.
InternalError.CreateServiceError	Failed to create the service.
InternalError.DefaultInternalError	The server is busy. Retry later.
InternalError.DeleteIngressError	Failed to delete the ingress
InternalError.DeleteLogConfigError	Error while deleting the LogConfig.
InternalError.DeleteServiceError	Failed to delete the application
InternalError.DeployVersionError	Failed to invoke the version deployment
InternalError.DescribeConfigDataError	Failed to query the configuration details.
InternalError.DescribeConfigDataListError	Failed to query the configuration list.
InternalError.DescribeIngressError	Failed to query the ingress.
InternalError.DescribeIngressListError	Failed to query the ingress list
InternalError.DescribeLogConfigError	Error while querying the LogConfig.
InternalError.DescribeLogConfigListError	Error while querying the LogConfig list.
InternalError.DescribeRunPodListError	Failed to query the instance information
InternalError.DescribeServiceError	Failed to query the service.
InternalError.DescribeServiceIngressError	Failed to query the list of ingress associated with the service.
InternalError.DescribeServiceListError	Failed to query the service list
InternalError.ModifyConfigDataError	Failed to modify the configuration.
InternalError.ModifyLogConfigError	Error while modifying the LogConfig.

InternalError.RestartApplicationError	Failed to restart
InternalError.StopApplicationError	Failed to stop an application
InternalError.TagInterfaceError	Exception while calling the tag-related APIs.
InternalError.UpdateIngressError	Failed to update the ingress
InvalidParameter.ApplicationAccessServiceReachMaximum	Reached the upper limit of access policies for this application.
InvalidParameter.LBServiceCannotSupportTcpUdpSameTime	For an LB application, TCP and UDP cannot be both supported..
InvalidParameter.MustProvidePortMappingRules	The PortMapping rule is required.
InvalidParameter.ServiceNameNotValid	The application name is invalid.
InvalidParameter.ServiceUseReserveSuffix	The suffix of the application name is not allowed.
InvalidParameter.TooManyPortMappingRules	Reached the upper limit of PortMapping rules.
InvalidParameter.UnauthorizedOrMissingRole	Not authorized or role not configured
InvalidParameter.VpcOverQuota	Auto-creation failed because the VPC upper limit is reached.
InvalidParameterValue.ApmNotBind	The APM is not bound with the current environment.
InvalidParameterValue.ApplicationAccessServiceReachMaximum	Reached the upper limit of access policies for this application.
InvalidParameterValue.ApplicationServiceAlreadyExist	The access policy name already exists.
InvalidParameterValue.ApplicationServiceNotFound	The access policy does not exist.
InvalidParameterValue.AtLeastOneScalerRuleShouldBeApplied	Please enable at least one type of scaling rules.
InvalidParameterValue.AutoScalerLargerThanOne	Only one auto scaler can be specified.
InvalidParameterValue.AutoScalerNameInvalid	
InvalidParameterValue.CannotOverWriteOtherApplicationService	The access mode of other applications cannot be overwritten.

InvalidParameterValue.CannotUpdateServiceByBothMethods	Full update and single-entry update cannot be specified at the same time.
InvalidParameterValue.ConfigDataAlreadyExist	This configuration already exists.
InvalidParameterValue.ConfigDataInvalid	The configuration is incorrect.
InvalidParameterValue.CreateNamespaceUnsupportRegionError	
InvalidParameterValue.CronHpaReplicasInvalid	The specified desired capacity of the scheduled action is incorrect.
InvalidParameterValue.DailyCreateNamespaceReachMaximum	Reached the upper limit of environment created every day
InvalidParameterValue.DisableScalerBeforeDelete	There is an auto scaler in used. Please disable it first.
InvalidParameterValue.EnvironmentNameImmutable	The environment name cannot be changed.
InvalidParameterValue.HpaMetricsInvalid	The desired capacity of scaling is incorrect.
InvalidParameterValue.HpaMinMaxInvalid	The minimum or maximum number for auto scaling is invalid.
InvalidParameterValue.HpaThresholdInvalid	Invalid elastic scaling threshold
InvalidParameterValue.IngressRewriteRequiredHttpsEnable	To enable access configuration redirection, you need to enable HTTPS.
InvalidParameterValue.InvalidCronScalerPeriod	Invalid scheduled period
InvalidParameterValue.InvalidDeployVersion	The version number is invalid.
InvalidParameterValue.InvalidEksServiceType	The access type is not supported.
InvalidParameterValue.InvalidEnvName	Invalid environment parameter name. It must be a combination of [a-z], [A-Z], [0-9] and [._-]. It cannot start with a digit.
InvalidParameterValue.InvalidEnvValue	The length of environment variable cannot exceed 1,000.
InvalidParameterValue.InvalidMountPath	Invalid mounting path. It cannot be /app.
InvalidParameterValue.InvalidServiceName	Invalid application name

InvalidParameterValue.InvalidTenantInfo	Unable to identify the tenant information
InvalidParameterValue.JdkVersionRequired	The JDK version is required.
InvalidParameterValue.LogConfigAlreadyExist	The LogConfig already exists.
InvalidParameterValue.MustProvidePortMappingRules	The PortMapping rule is required.
InvalidParameterValue.NamespaceDuplicateError	The environment already exists.
InvalidParameterValue.NamespaceNotBelongToAppid	The namespace does not belong to the current account.
InvalidParameterValue.NamespaceNotFound	The environment does not exist.
InvalidParameterValue.NamespaceReachMaximum	Failed to create the environment. The upper limit of environment is reached.
InvalidParameterValue.NamespaceResourceReachMaximum	Failed to create the environment. The upper limit of environment is reached.
InvalidParameterValue.OsNotSupport	The operating system is not supported.
InvalidParameterValue.PortDuplicateError	The application port mapping already exists.
InvalidParameterValue.PortIsReserved	The application port is a reserved port.
InvalidParameterValue.PostStartNotValid	Invalid post start
InvalidParameterValue.PreStopNotValid	
InvalidParameterValue.PublicRepoTypeParameterError	Public image parameter error
InvalidParameterValue.RegistryNotBind	The registry is not associated with the current environment.
InvalidParameterValueScalerNameDuplicated	The auto scaler name already exists.
InvalidParameterValue.ServiceFoundRunningVersion	There are running pods in this application.
InvalidParameterValue.ServiceLowerCase	The application name must be in lowercase.
InvalidParameterValue.ServiceNameDuplicateError	This application name already exists.
InvalidParameterValue.ServiceNotBelongToAppid	You are not the owner of this application.
InvalidParameterValue.ServicePodReachMaximum	Failed to create the instance. The upper

	limit is reached.
InvalidParameterValue.ServiceReachMaximum	Failed to create the application. The upper limit is reached.
InvalidParameterValue.ServiceUseReserveSuffix	The suffix of the application name is not allowed.
InvalidParameterValue.TcrEntInstanceNameNotValid	The TCR Enterprise instance name is invalid.
InvalidParameterValue.TemIdInvalid	The TEM ID is incorrect.
InvalidParameterValue.TraitsTracingNotSupported	Linkage tracing is not available for non-JAVA applications.
InvalidParameterValue.VersionLengthLimit	The value of <code>version</code> cannot exceed 128 characters.
InvalidParameterValue.VersionLowerCase	The version must be in lower case.
InvalidParameterValue.VersionRouteRateNotZero	There is still traffic routed to this version.
InvalidParameterValue.VpcInvalid	Invalid VPC. It should be the same as the environment VPC.
MissingParameter.AutoScalerNameNull	The scaling rule name cannot be empty
MissingParameter.DeployModeNull	The deployment method is required.
MissingParameter.DeployVersionNull	The deployment version cannot be empty.
MissingParameter.EnvironmentNameNull	The environment name is required.
MissingParameter.ImgRepoNull	The image repository is required.
MissingParameter.LogsetOrTopicNull	The <code>logset</code> and <code>topic</code> are required.
MissingParameter.MinMaxNumNull	The minimum and maximum number for auto scaling are required.
MissingParameter.NamespaceIdNull	The environment ID can not be left empty.
MissingParameter.PkgNameNull	The package name cannot be left empty.
MissingParameter.RepoServerNull	
MissingParameter.ScalerIdNull	The scaling rule ID is missing.

MissingParameter.ServiceIdNull	The service ID cannot be empty.
MissingParameter.SvcRepoNotReady	The image repository is not ready.
MissingParameter.TcrEntInstanceNameNull	The TCR Enterprise instance name is required.
MissingParameter.VpcServiceSubnetNull	For intra-VPC access, the subnet ID is required.
OperationDenied.BalanceNotEnough	Insufficient account balance.
OperationDenied.ResourceIsolated	There're overdue payments under your account. Please make the payment first.
ResourceInUse.EnvironmentAlreadyLocked	The environment is locked.
ResourceInUse.ResourceAlreadyLocked	The specified resource is occupied by another operation. Please try again later.
ResourceInUse.ResourceAlreadyUsed	This resource is already bound.
ResourceInUse.ServiceDeploying	The application is being deployed.
ResourceNotFound.ConfigDataNotFound	Configuration does not exist
ResourceNotFound.InterfaceNotFound	This API is not available.
ResourceNotFound.LogConfigNotFound	The log configuration does not exist.
ResourceNotFound.MicroserviceOffline	The target microservice is offline.
ResourceNotFound.NamespaceNotFound	The environment does not exist.
ResourceNotFound.ServiceNotFound	The application is not found.
ResourceNotFound.ServiceRunningVersionNotFound	No running pod is found.
ResourceNotFound.VersionNamespaceNotFound	The environment corresponding to this version is not found.
ResourceNotFound.VersionServiceNotFound	The environment corresponding to this version is not found.
ResourceUnavailable.ApplicationNotDeletable	Failed to delete: The application is used by other resources.
ResourceUnavailable.ApplicationStopped	The application is stopped.

ResourceUnavailable.WaitForKruise	Waiting for the installation of addon
UnauthorizedOperation.MissingEksLogRole	TKE does not have the permission to access CLS. Please assign the permission first.
UnauthorizedOperation.UnauthorizedOperation	Not authorized
UnsupportedOperation.UnsupportAction	ACTION not supported