

API Gateway

Getting Started

Product Documentation



Copyright Notice

©2013-2019 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice

 Tencent Cloud

All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Getting Started

Last updated : 2020-07-14 15:53:33

Before using Tencent Cloud API Gateway, you are recommended to read its [Product Overview](#), [Use Limits](#), and [Purchase Guide](#).

In the API Gateway Console, you can quickly perform operations such as creating services, creating/debugging APIs, making releases, and implementing access by following the steps below:

Step 1. Sign up for a Tencent Cloud account

If you already have a Tencent Cloud account, you can ignore this step.

[Click here to sign up](#)

Step 2. Verify your identity

If you have already done so, you can ignore this step.

For more information on how to verify your identity, please see [Identify Verification Overview](#).

[Click here to verify](#)

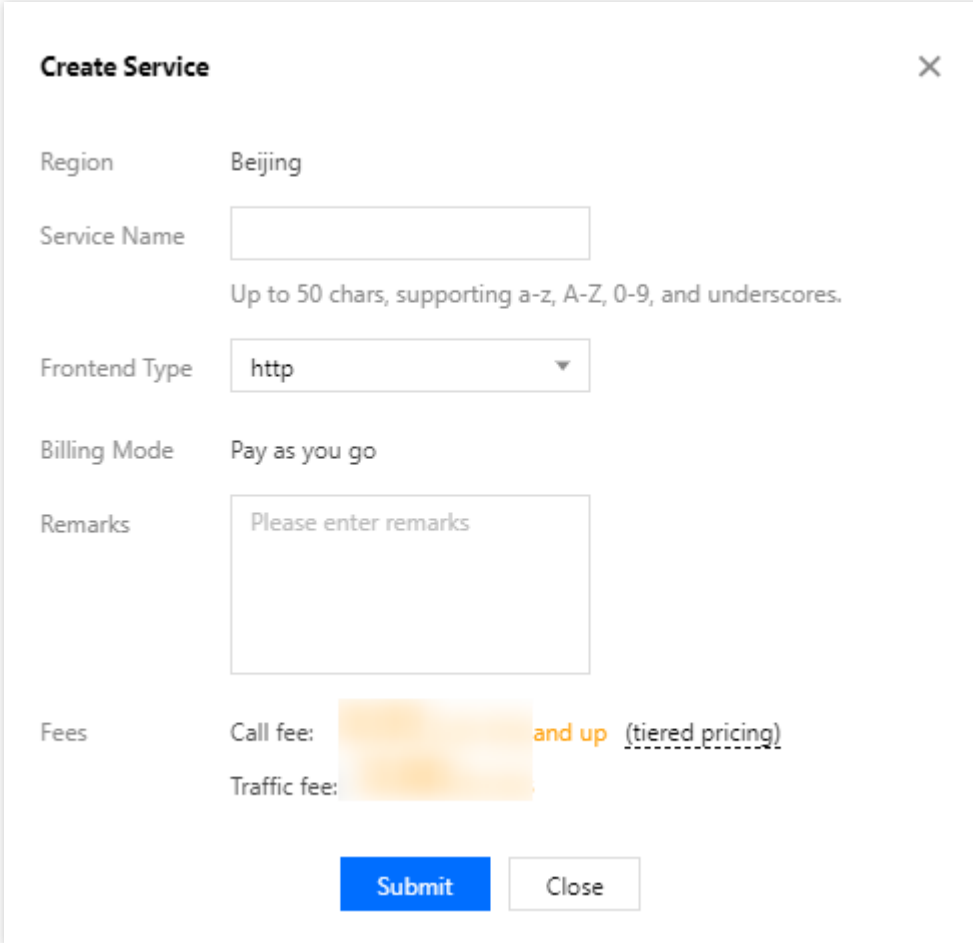
Step 3. Log in to API Gateway

[Click here to log in to the](#)

Step 4. Create a service

1. In the [API Gateway Console](#), click **Service** on the left sidebar to enter the service list page.
2. Click **Create** and enter the service details.
 - Service Name: this is required and can contain up to 50 characters out of `a-z` , `A-Z` , `0-9` , and `_` . `exampleservice` is entered here as an example.
 - Frontend Type: protocol type supported by the service. `HTTP` is selected here as an example.

- Remarks: remarks of the service. `Test ing` is entered here as an example.



Create Service ✕

Region: Beijing

Service Name:
Up to 50 chars, supporting a-z, A-Z, 0-9, and underscores.

Frontend Type:

Billing Mode: Pay as you go

Remarks:

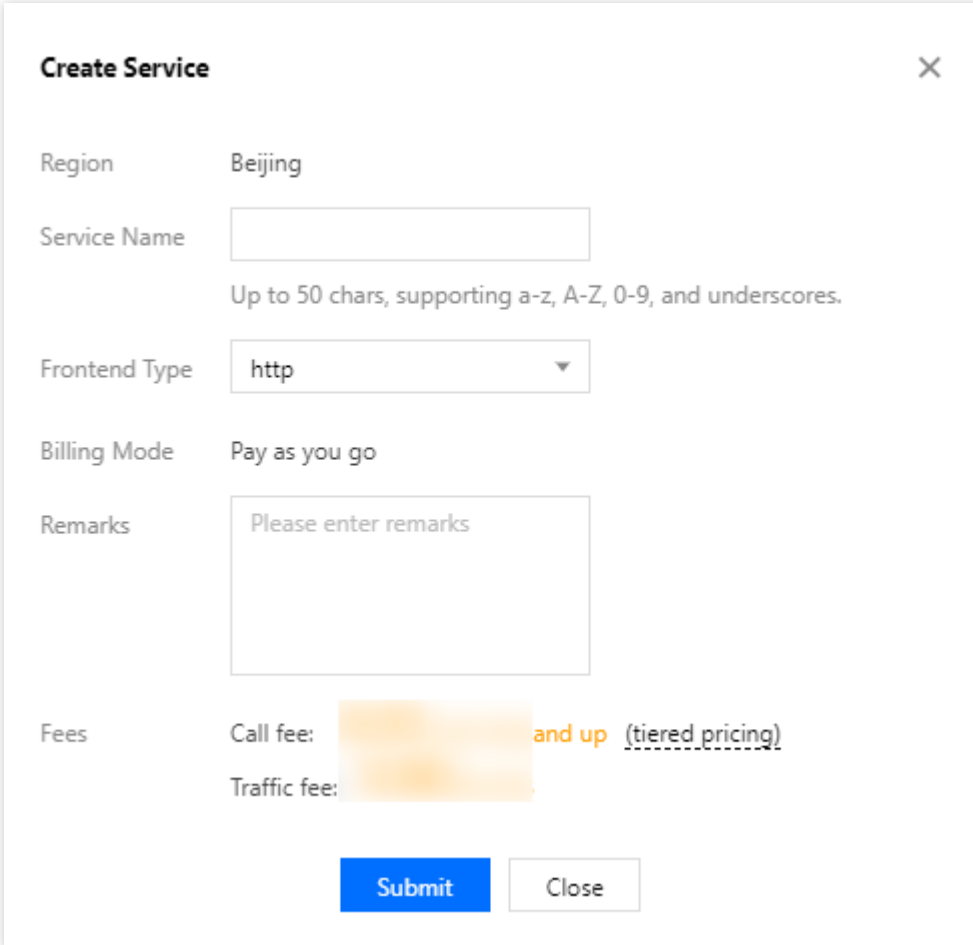
Fees: Call fee: and up (tiered pricing)
Traffic fee:

3. Click **Submit** to create the service.

Step 5. Create an API with Mock as the backend type

1. In the service list, click a service name to enter the service details page.
2. On the service details page, click **Manage API** to enter the API list page.
3. Click **General API > Create** and enter the frontend configuration information of the API.
 - API Name: name of an API. `exampleapi` is entered here as an example.
 - Frontend Type: HTTP and WebSocket are supported. `HTTP` is selected here as an example.
 - Path: access path of the API. `/` is entered here as an example.
 - Request Method: request method of the API. `GET` is selected here as an example.
 - Authentication Type: three types of authentication are currently supported: no authentication, OAuth 2.0, and key pair. `No authentication` is selected here as an example.
 - CORS Support: whether the API supports cross-origin resource sharing. `Yes` is selected here as an example.

- Remarks: remarks of the API. `Testing` is entered here as an example.
- Parameter Configuration: frontend parameters of the API. Nothing is entered here.



Create Service ×

Region Beijing

Service Name
Up to 50 chars, supporting a-z, A-Z, 0-9, and underscores.

Frontend Type

Billing Mode Pay as you go

Remarks

Fees
Call fee:
Traffic fee:

4. Click **Next** and enter the backend configuration information of the API.
 - Backend Type: type of the backend service of the API. `mock` is selected here as an example.
 - Returned Data: data to be returned by Mock. `hello world, hello apigateway` is entered here as an example.

✓ **Frontend Configuration** > 2 **Backend Configuration**

Backend Type:

Return data:

5. Click **Complete** to create the API with Mock as the backend type.

Step 6. Debug the API

1. Find the API just created in step 5 on the API list page and click **Debug** in the "Operation" column to enter the API debugging page.
2. Select `application/x-www-form-urlencoded` as the `Content-Type`.
3. Click **Send Request** and view the result returned after debugging.

API Info

API Name: exampleapi

Path: /

Request Method: GET

Content-Type:

Return Result

Return Code: 200

Response latency: 10ms

Response body: hello world, hello apigateway

Response Headers:

```
HTTP/1.1 200 OK
Date: Wed, 11 Mar 2020 03:29:13 GMT
Content-Type: application/json; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
X-API-RequestId: 981a5c7dd27e68c31fd7abd11d6abd07
X-API-ID: api-ltv0uz0q
X-Service-RateLimit: 500/500
X-API-RateLimit: unlimited
Server: apigw/1.0.15
Access-Control-Allow-Origin: *
Access-Control-Expose-Headers: X-API-ID,X-Service-RateLimit,X-UsagePlan-RateLimit,X-UsagePlan-Quota,Cache-Control,Connection,Content-Disposition,Date,Keep-Alive,Pragma,Via,Accept,Accept-Charset,Accept-Encoding,Accept-Language,Authorization,Cookie,Expect,From,Host,If-Match,If-Modified-Since,If-None-Match,If-Range,If-Unmodified-Since,Range,Origin,Referer,User-Agent,X-Forwarded-For,X-Forwarded-Host,X-Forwarded-Proto,Accept-Range,Age,Content-Range,Content-Security-Policy,ETag,Expires,Last-Modified,Location,Server-Set-Cookie,Trailer,Tr
```

Step 7. Publish the service

A created service is in unpublished state by default and can be normally accessed only after it is published.

1. Find the service just created on the service list page, click **Publish** in the "Operation" column, and enter the service release information.
 - Environment: environment in which the service is published. The release environment is selected here.
 - Remarks: remarks of the service release. `Release for testing` is entered here as an example.

Publish service ✕

Region	Guangzhou
Service Name	exampleservice
Release Environment	<input type="text" value="Publish"/>
Remarks	<input type="text" value="test publish"/>

2. Click **Submit** to publish the service.
3. After the service is published, you can access the API at the sub-domain name provided by the service.

Troubleshooting

If you have any questions, please follow the steps below for solutions:

1. View [FAQs](#) to find a solution.
2. If you can't find a satisfactory answer, please contact us by [submitting a ticket](#).

Related Documents

For more information on how to use the API Gateway Console, such as viewing logs, viewing monitoring data, or setting a traffic control policy, please see [Operation Guide](#).