

API Gateway Migrating from Region A to Region B Product Documentation





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Migrating from Region A to Region B

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Overview

When using API Gateway, the region where the business is located usually needs to be selected in advance, but in some cases, it may be necessary to switch regions.

For example, if Region B offers better pricing, or if Region A is unusable due to force majeure, it may be necessary to migrate the services from Region A to Region B. When creating services on API Gateway, a region is selected. This document will guide you to migrate services from Region A to Region B.

Note:

API Gateway service is a management tool for a set of API services, each involving different backend configurations. Currently, it's not possible to directly migrate services across regions; instead, the process requires the use of export and import tools.

Directions

This document uses the migration from the Guangzhou region to the Beijing region as an example.

Export API in the Guangzhou region

- 1. Log in to API Gateway Console.
- 2. In the left navigation bar, click **Services** to enter the service list page.
- 3. Select **Guangzhou** from the region list and locate the service you need to migrate.

Basic information	Data query									
	In compliance v	vith relevant national p	olicies and regulations, Tencent (Cloud's API Gatewa	y services, created after N	Aarch 1, 2024, will no	longer support put	lic internet access through their de	efault secondary domains <u>View De</u>	<u>etails</u> 🗹
	Create	rt APIs Export	APIs Delete				Servic	e name: Pleas	se select the tag to filter	Q Ø
	Service name	Service status	Mo Network type	Published to	Instance type	Instance ID	Tag	Creation/Modificati	Description Operation	m
				1	result found for '	_	Back to list			
		🕑 Running	Public network,	N/A				2024-03-14 17:05:00 2024-03-14 17:05:15	Publish Configur	Edit ations Upgra
	Total items: 1							20 -	/ page 🛛 🖌 🔺 1	/ 1 page

4. Click the service name to go to the detail page, select all, and click Export.

÷		Shared instance					The servi
Related APIs	Basic configurations	Usage plans	Custom domain name	Service logs	Monitoring	Data query	Throttling
+ Create 1 Import	T Export T Delete	Basic info	rmation Basic configu	irations Plugir	n management		
GET /		Default a	access address				
		Public dom	nain	100		6 6	
		VPC doma	in		-	Б Б	

5. Sequentially click **Batch select APIs, Export,** and **Download** to export all API configuration information from the service, but a maximum of 50 entries can be exported at a time. If it exceeds 50, it will need to be exported in batches. Save the exported files properly.

Services Text format YAML JSON APIs exported this time 1 Batch select APIs
Export
1 info:
2 ·· title:
4 openapi: 3.0.0
5 paths:
6 /123: 7
8 ·····operationId:
9 ·····responses:
10 ········ '200':
12 The list of possible responsesas they are returned from executing
13 ······this operation.
14 x-apigw-api-business-type:
15 ·····x-apigw-api-type:
17 MockReturnHttpHeaders:
18 MockReturnHttpStatusCode:
19 ServiceMockReturnMessage:
20 ······ ServiceType:
Download Copy Clear

Create a new service in the Beijing region and create the corresponding backend service

- 1. Log in to API Gateway Console.
- 2. In the left navigation bar, click **Services** to enter the service list page.



3. Select **Beijing** from the region list, click **Create** at the top-left corner of the page, and complete the creation of a service in the Beijing region. See <u>Creating Services</u> for details.

Services	Beijing 👻 n Data query								🔚 Weixin Official Account	Operation Guid	e 🖾 API Documentation 🖄
In compliance Details ☑	e with relevant national	policies ar	nd regulations, Tence	ent Cloud's API Gat	leway services, crea	ted after March 1, 2	024, will I	no longer suppo	rt public internet access through th	ieir default seconda	ry domains <mark>View</mark>
Create	port APIs Expo	ort APIs	Delete					Please select	the tag to filter		Q ¢ ≑ ±
Service name	Service status	Mo	Network type	Published to	Instance type	Instance ID	Tag		Creation/Modificati Desc	ription O	peration
_					Obered				2024 02 45 40 10:02		

Note:

In the Beijing region, corresponding backend services such as VPC, SCF, etc., are also required. Please check the corresponding backend in advance. Failure to do so will affect the subsequent process of importing.

Import APIs in the Beijing region

1. Click the service name, enter the detail page, and click Import.



2. Sequentially select **Select a service**>**Text format**>**Upload File**>**Import**. For details, see Importing APIs. Choose the previously exported file when uploading.

Import APIs
U Notes
Supported format: YAML, JSON
Existing APIs will be skipped. Up to 50 APIs can be created.
• The uploaded file will overwrite content in the editor. The file size is up to 100 KB.See Usage Guide Cd.
Select a service YAML JSON
Upload File
1 info:
2 title:
4 openapi: 3.0.0
5 paths:
6 /123:
/ get: 8 operationId:
9 responses:
10 '200':
11 description: >-
14 x-apigw-api-business-type:
15 x-apigw-api-type:
10 X-apigw-backena: 17 MockReturnHitsbleaders: []
18 MockReturnHttpStatusCode:
19 ServiceMockReturnMessage:
20 Service/ype: 21 y-animy-cne: false
Import Copy Clear

3. After the import is completed, a prompt to publish the service will appear. Click **Publish now** to complete the process. For details, see Publishing Services.

	Failure i	Status	ID/Name	Method	Path
GET api- Imported successfully	-	Imported successfully	api-	GET	123

4. After publishing, you can also debug and test access to the migrated service. For details, see Debugging General APIs and Service Access.

Remove a service in the Guangzhou region

1. In the left navigation bar, click **Services** to enter the service list page.

2. In the region list, select **Guangzhou** and find the service you need to migrate. Ensure that the service in the Beijing region is accessible before deleting the service.

3. In the list, check the service, click **Delete**, and **confirm** to proceed.

Services Suangzhou 1 -		Sen Weixin O	fficial Account Operation Guide 🖾 API Documentation 🗷
Basic information Data query			
In compliance with relevant national policies and re <u>Details</u> Z	egulations, Tencent Cloud's API Gateway services, create	d after March 1, 2024, will no longer support public internet acc	ess through their default secondary domains <mark>View</mark>
Create Import APIs Export APIs	Delete	Service name	Please select the tag to filter Q Ø 🔅 🛓
Service name Service status Mo N	etwork type Published to Instance type	Instance ID Tag Creation/Modifica	ti Description Operation
	1 result found for '	" Back to list	
Running II P	ublic networ Test Shared instance	- 2024-03-14 17:05: 2024-03-15 10:48:	00 Publish Edit 18 Configurations Upgrade
Total items: 1			20 • / page H < 1 / 1 page > H

4. With that, the migration process is completed.