

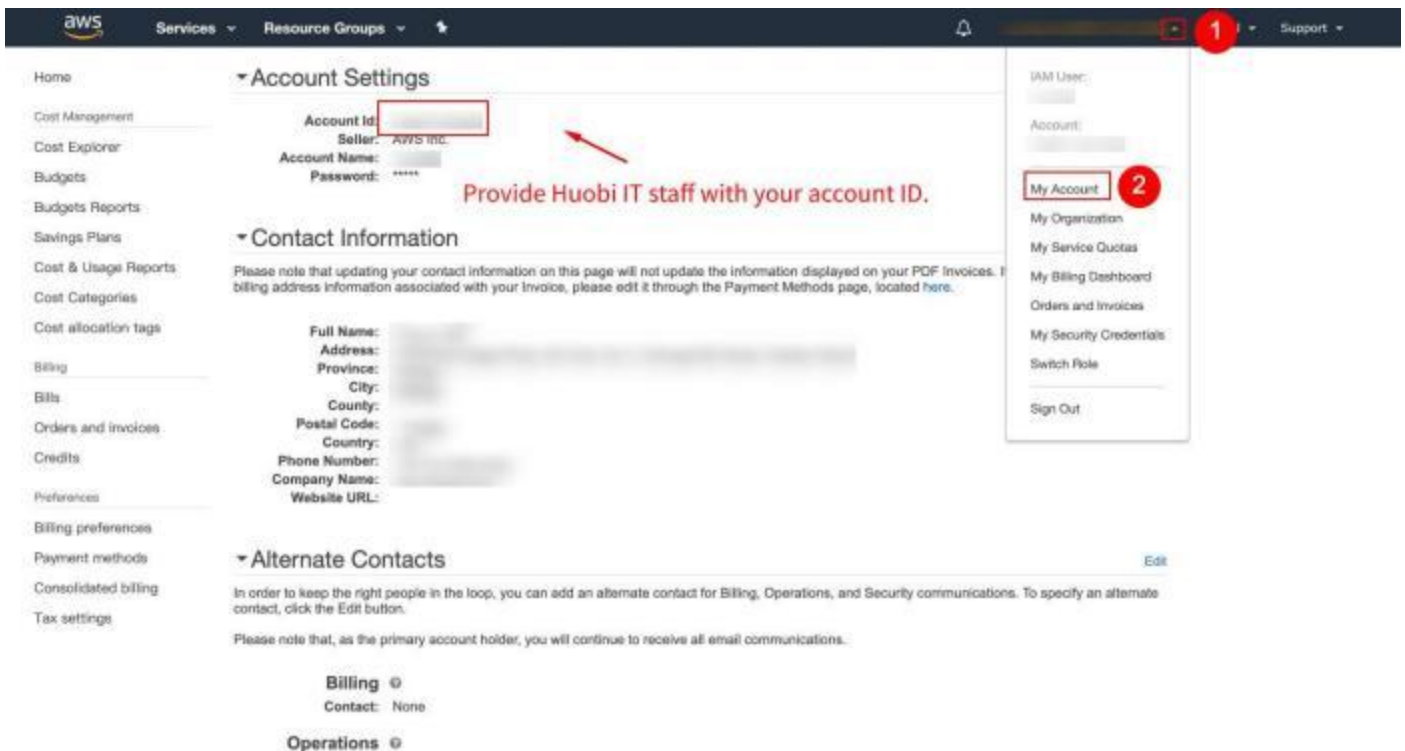
## **Huobi Futures Colocation Setting Illustration**



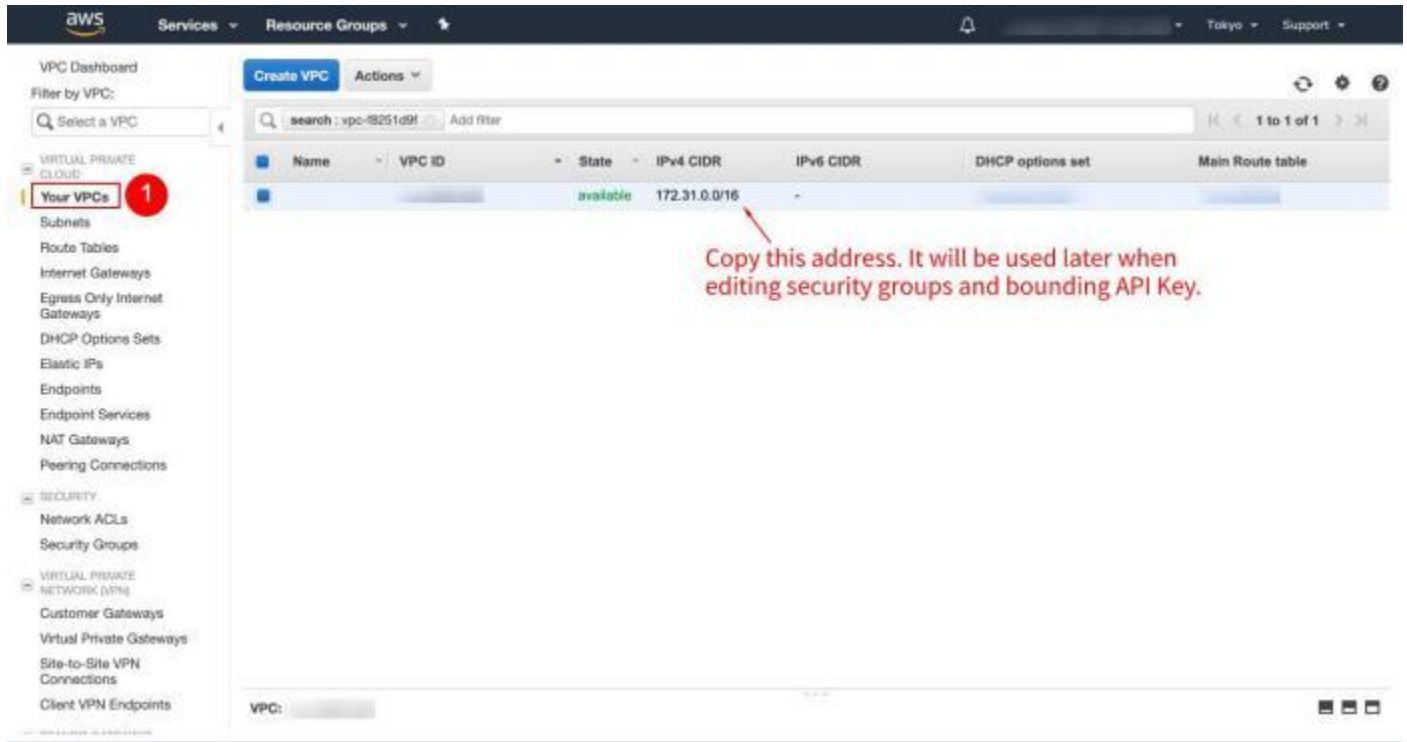
Congratulations on being Huobi Futures Tier S liquidity provider. To bring you a better trading experience, we now provide Colocation service to you. You can set your colo account according to the following steps while contacting our IT supporter. Please note that Colocation service is only effective for the UID tiered S and shall only be used by the owner of the UID. This service shall neither be disclosed to any third party nor be used for any other non -market-making purposes. To ensure the stability of the system,Huobi Futures will execute the rate limit strategy on Colocation, of which the specific rule will be dynamically adjusted based on the status of the server.

The colocation domain we set up for you could be applied to all the derivatives trading including coin - margined futures and swaps,USDT -margined swaps,and options.

1. Provide Huobi IT supporter with your AWS Account ID.



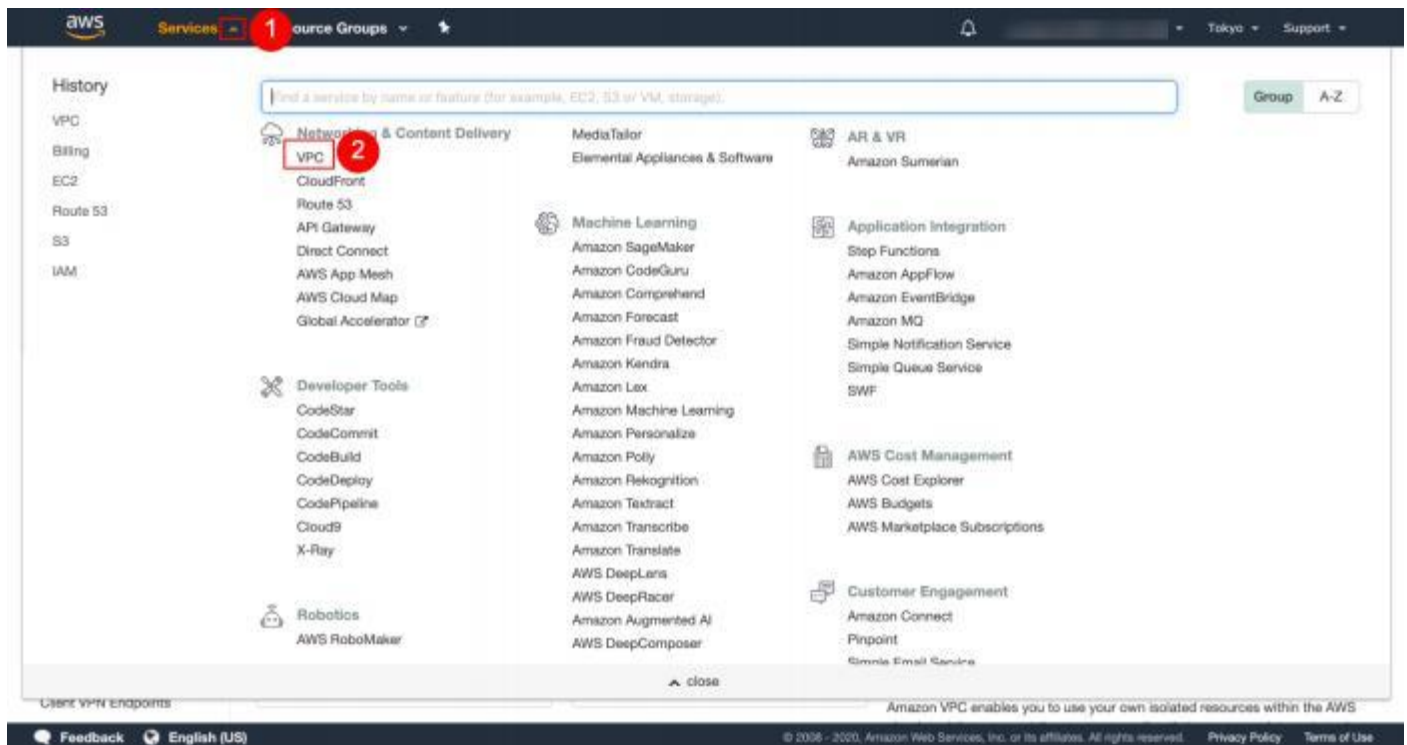
## 2. Copy your IPv4 Cidr.



The screenshot shows the AWS VPC Dashboard. In the left sidebar, 'Your VPCs' is highlighted with a red circle and the number 1. The main content area shows a table of VPCs. The first VPC is highlighted, showing its details. The IPv4 CIDR is 172.31.0.0/16. A red arrow points to this value with the text: 'Copy this address. It will be used later when editing security groups and bounding API Key.'

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP options set	Main Route table
		available	172.31.0.0/16	-		

## 3. Create an endpoint based on the service name provided by the Huobi IT supporter.



The screenshot shows the AWS Services page. The 'Services' link in the top navigation bar is highlighted with a red circle and the number 1. The 'Networking & Content Delivery' category is expanded, and 'VPC' is highlighted with a red circle and the number 2. The page lists various AWS services in a grid format.

**aws** Services Resource Groups

VPC Dashboard

Filter by VPC:

Search: Select a VPC

Filter by tags and attributes or search by keyword

Name	Endpoint ID	VPC ID	Service name	Endpoint type	Status	Creation time
				Interface	available	April 2, 2020 at 3:07:16 PM UT

Endpoint:

**aws** Services Resource Groups

Endpoints > Create Endpoint

## Create Endpoint

A VPC endpoint allows you to securely connect your VPC to another service. An interface endpoint is powered by [PrivateLink](#), and uses an elastic network interface (ENI) as an entry point for traffic destined to the service. A gateway endpoint serves as a target for a route in your route table for traffic destined for the service.

Service category

- ☐ AWS services
- ☒ Find service by name
- ☐ Your AWS Marketplace services

Service Name Enter private service name and verify.

Fill in the service name provided by Huobi IT supporter.

Verify

VPC\*

Key (128 characters maximum) Value (256 characters maximum)

This resource currently has no tags

Add Tag 50 remaining (Up to 50 tags maximum)

\* Bottleneck

Feedback English (US)

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## Create Endpoint

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An interface endpoint is powered by [PrivateLink](#), and uses an elastic network interface (ENI) as an entry point for traffic destined to the service.

A gateway endpoint serves as a target for a route in your route table for traffic destined for the service.

Service category ☐ AWS services  
☒ Find service by name  
☐ Your AWS Marketplace services

Service Name Enter private service name and verify. ⓘ

Service name found.

Verify

Click "Verify" and you will see "Service name found"

VPC\*

Subnets ⓘ

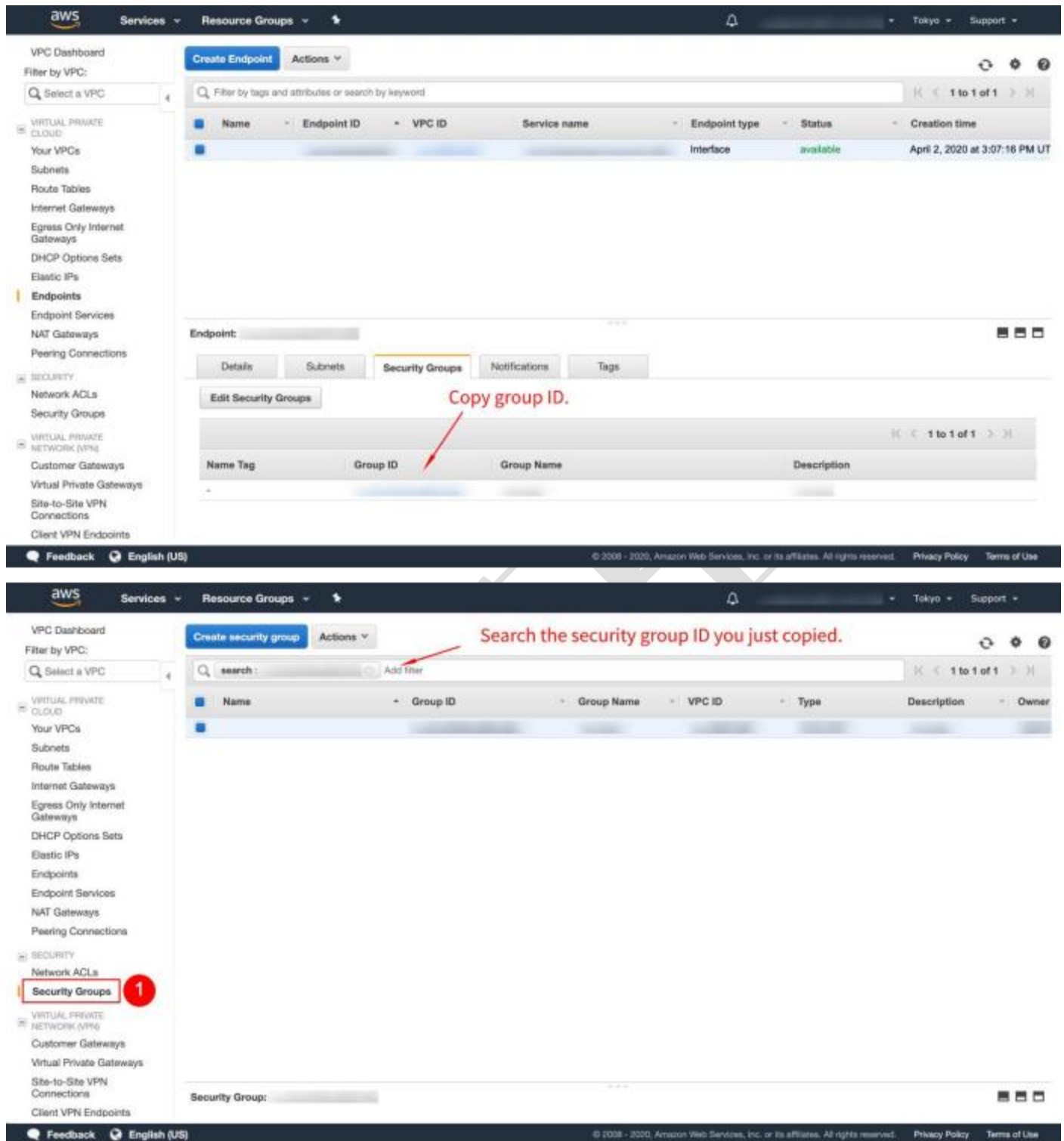
Availability Zone	Subnet ID
<input type="checkbox"/> ap-northeast-1a (apne1-a)	subnet-5054ae18
<input checked="" type="checkbox"/> ap-northeast-1c (apne1-az1)	subnet-b897a3e3
<input type="checkbox"/> ap-northeast-1d (apne1-az2)	Service not supported in this Availability Zone

Only select the availability zone of az1, the EC2 instance you enabled shall also be in this availability zone, then scroll to the bottom to click "Create Endpoint"

4. Select the endpoint you just created and copy the first DNS Name in the below "Details" to Huobi IT supporter.

The screenshot shows the AWS Management Console interface. On the left is the navigation menu with categories like VPC Dashboard, SECURITY, and VIRTUAL PRIVATE NETWORK (VPN). The main area displays the 'Create Endpoint' page. Below the 'Create Endpoint' button, there is a table with one endpoint listed. The endpoint's status is 'available' and its creation time is 'April 2, 2020 at 3:07:16 PM UTC+8'. Below the table, the 'Details' tab is selected, showing fields for Endpoint ID, Status, Creation time, Endpoint type, VPC ID, Status message, Service name, and DNS names. A red box highlights the 'DNS names' field, and a red arrow points to it with the text 'Provide Huobi IT supporter with the first DNS name.'

## 5. Edit security group.



The image shows two screenshots of the AWS Management Console interface, illustrating the steps to edit a security group.

**Top Screenshot:** The 'Endpoint' details page is shown. The 'Security Groups' tab is selected. A red arrow points to the 'Group ID' column in the table, with the text "Copy group ID." above it.

**Bottom Screenshot:** The 'Create security group' page is shown. A red arrow points to the 'search' input field, with the text "Search the security group ID you just copied." above it. In the left-hand navigation menu, 'Security Groups' is highlighted with a red circle and the number '1'.



The screenshot shows the AWS Management Console interface. On the left, the navigation pane is visible with categories like VPC Dashboard, Virtual Private Cloud, and Security. The main content area shows the 'Security Groups' page. A dropdown menu is open over the 'Actions' column, with 'Edit inbound rules' highlighted in red. Below this, the 'Add Rule' section is shown with a table of rules. Two rules are listed: 'Custom TCP Rule' for port 80 and 'Custom TCP Rule' for port 443, both with the source IP '172.31.0.0/16'. A red box highlights the 'Save rules' button at the bottom right. A red arrow points from the text 'Add two rules. Paste the IPv4 Cidr you just copied here and click "Save rules"' to the 'Save rules' button.

**Actions**

- Delete security group
- Edit inbound rules**
- Edit outbound rules
- Add/Edit Tags

Name	Group ID	Group Name	VPC ID	Type	Description	Owner
sg-0bc5fd5e						

Security Group:

**Add Rule**

Rule Name	Protocol	Port Range	Source	Destination	Description
Custom TCP Rule	TCP	80	Custom	172.31.0.0/16	e.g. SSH for Admin Desktop
Custom TCP Rule	TCP	443	Custom	172.31.0.0/16	e.g. SSH for Admin Desktop

**Add Rule**

**NOTE:** Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

\* Required

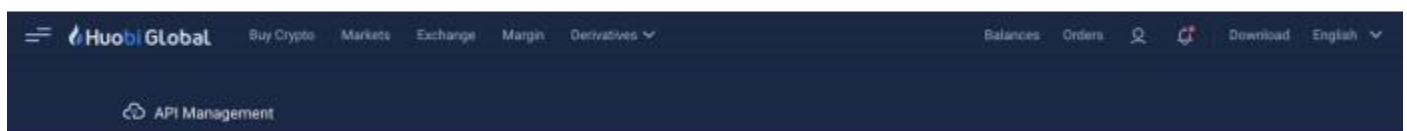
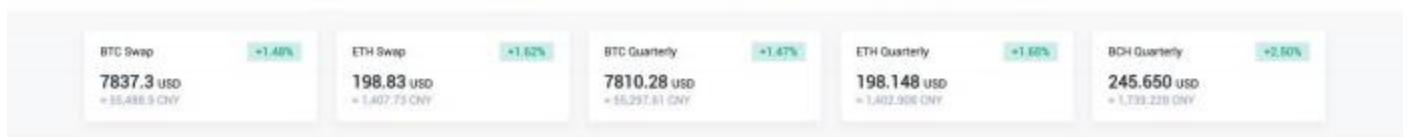
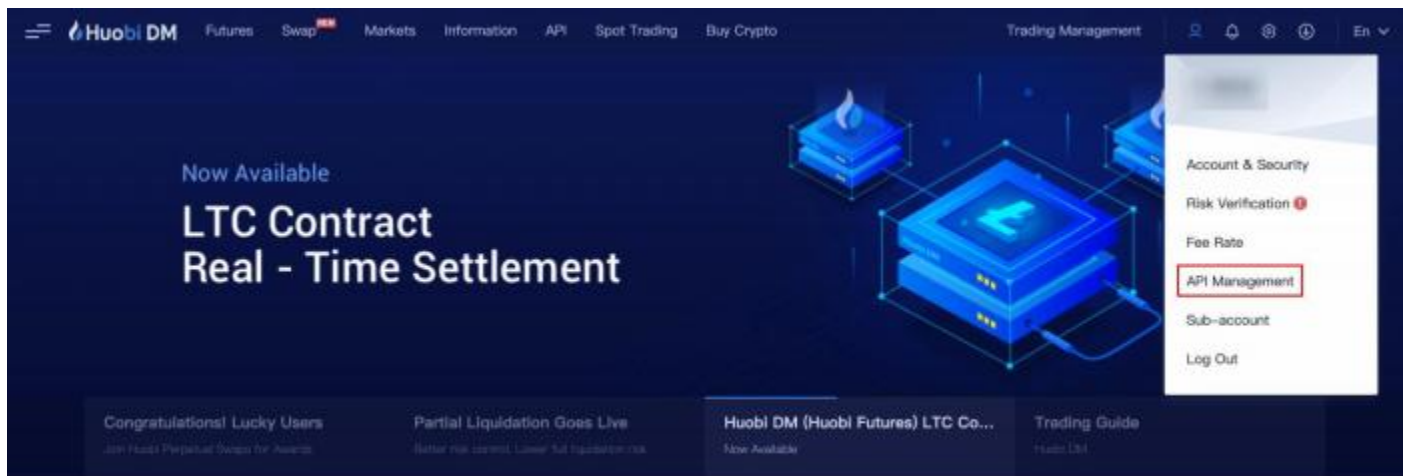
**Cancel** **Save rules**

**Add two rules. Paste the IPv4 Cidr you just copied here and click "Save rules"**

6. For your security, we require you to bound your API Key with your IPv4 Cidr by inbound rules. (The IPv4 Cidr is the address you copied in the second step.)

In addition, for your signature authentication and verification's stability, we suggest you bind all the IP addresses Huobi IT supporter provides to all the API keys used for colo.





### Create API Key

Notes

Permission settings (Multiple choice)

☒ Read-only ☐ Withdraw ☐ Trade

Bind IP address (optional)

Expiry date of the key (unbound to IP address is 90 days)

Create

Note

- Huobi provides you with a strong API, through which you can enjoy services such as Market Query, Automatic Trading, etc. View [How To Use via API documentation](#)
- Each user can create 5 API keys at most.
- To avoid loss of assets, please do not disclose your API Key to anybody. For security reasons, we recommend that each API Key should bind 10 IP addresses at most. If there is only one IP address, you can enter it directly. If there are more than one IP addresses, you should separate them with half-width comma (e.g. 192.168.1.1, 192.168.1.2, 192.168.1.3).

**Enter the notes, set permission, and bound all EC2's private IP.**

My API Key							
Create Date	Notes	Permission	Access Key	Bind IP Address	Expiry in (days)	Status	Action
<div>Help</div>							

- Replace the original domain name `api.hbdom.com` with the customized one provided by Huobi IT supporter, for example [demoapi.hbdom.com](https://demoapi.hbdom.com). (the domain name for each liquidity provider is exclusive and shall not be shared.)

**Note:** please use `api.hbdom.com` but not your exclusive colo domain name for colo users' signature everywhere (calculating signature\*), otherwise, 403 verification failure will be caused. Also for heartbeat link, please request according to the API docs.

8. Lastly, we recommend you to check settings and the network quality through following steps:

a) Check settings: Run command `curl http://tmpapi.hbdom.com/api/v1/contract_contract_info` on your EC2. If there is return data, the setting is successful.

b) Check network quality:

1. Run command `pip install tcping` to install a testing tool;

2. Run command `tcping -p 443 -c 1000 --report tmpapi.hbdom.com` to check the stability of the network (**please replace the domain name with the one provided by us**). This step may last for more than 10 minutes, please be patient. After the command is executed, you will see a result similar to the following screenshot:

Host	Port	Successed	Failed	Success Rate	Minimum	Maximum	Average
tmpapi.hbdom.com	443	1000	0	100.00%	0.77ms	87.24ms	1.80ms

If "Success Rate" in your column is the same as mine, which is 100.00%, it means that the network quality of your EC2 to our VPC is good; otherwise, please send us your screenshot.

### Supplementary Document: Operation Instruction on Server Migration from Zone A to Zone C

After Huobi Futures' system was upgraded on October 15, 2020 (UTC+8), Huobi Futures' API servers have been moved to AWS Tokyo Zone C in its entirety.

Zone A servers can still be used normally, but there will be a 1 -2ms delay increase for colocation users who are still in Zone A after the system upgrade is completed.

It is recommended that you can migrate the server to Zone C or set up additional server in Zone C.

**The specific migration steps are as follows:**

1. Open the AWS VPC service and click "Create Endpoint".

2. Click the originally configured endpoint, click "Manage Subnets", and add the subnet in zone C.

Create Endpoint

Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

Name	Endpoint ID	VPC ID	Service name	Endpoint type	Status	Creation time
	vpce-0eee4ebfc24...	vpce-f8251d9f	com.amazonaws.vpce.ap-north...	Interface	available	April 2, 2020 at 3:07:16

Endpoint: vpce-0eee4ebfc241b433f

Details

Subnets

Security Groups

Notifications

Tags

Manage Subnets

Subnet ID	Availability Zone	IPv4 Addresses	IPv6 Addresses	Network Interface ID	Outpost ID
subnet-5054ae18	ap-northeast-1a (apne1-az4)	172.31.32.109	-	eni-063968d3a1c88ccd5	-
subnet-b897a3e3	ap-northeast-1c (apne1-az1)	172.31.6.133	-	eni-045e77680311b3f0d	-

**Note:**If the subnet ID of zone 1c is gray or blank,you need to create a new subnet of zone C.

3. After the servers in zone C run successfully,follow steps 1 and 2 to cancel the subnet in zone A.

Done.

Endpoints > Manage Subnets

## Manage Subnets

Add or remove the subnets in which the endpoint is created.

VPC vpce-f8251d9f

Subnets subnet-5054ae18 subnet-b897a3e3

Availability Zone	Subnet ID
<input checked="" type="checkbox"/> ap-northeast-1a (apne1-az4)	subnet-5054ae18
<input checked="" type="checkbox"/> ap-northeast-1c (apne1-az1)	subnet-b897a3e3
<input type="checkbox"/> ap-northeast-1d (apne1-az2)	Service not supported in this Availability Zone

\* Required

Cancel

Modify Subnets