



Ruijie Japan Cloud Service User Guide

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Audience

This manual is intended for:

- Network engineers
- Technical support and servicing engineers
- Network administrators

Obtaining Technical Assistance

- Ruijie Networks Website: <https://ruijie.co.jp/>
- Technical Support Website: <https://www.ruijie.co.jp/service>
- Inquiry&Repair: <https://www.ruijie.co.jp/service/post-sales>
- Technical Support Email: support_jp@ruijienetworks.com

Symbols



Important information. Contains helpful suggestions or references.



Use caution. Could result in equipment damage or data loss.

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1 Summary

Ruijie Japan Cloud Service is Ruijie's easy and efficient cloud solutions for chain stores, small and medium-sized businesses and boutique hotels. The solutions include equipment deployment, monitoring, network optimization and operational lifecycle management; enabling customers with simple plug and play deployment and operation and maintenance; meeting the needs for automatic cloud RF planning and user experience monitoring. At the same time, it provides flexible wireless user access control features.

2 Supported Browser

For browser, it is recommended to use the following versions or above.

Supported Browser	Version
Chrome	57.0.2987.133
Safari	10.1
Firefox	52.0.2

3 Addresses & Ports to be Permitted

Source IP	Destination	Src. port	Dst. port	Protocol	Description	Device using this rule
Your network	devicereg.ruijienetworks.com devreg.ruijienetworks.com	Any	80, 443	TCP	Ruijie Cloud login server	Ap/AC/Switch/Gateway
Your network	cwmpsvr-japan.ruijienetworks.com	Any	80, 443	TCP	Ruijie Cloud server	Ap/AC/Switch/Gateway
Your network	35.194.101.74 34.84.13.46	Any	10000-12000	TCP	Ruijie Cloud server establishes the tunnel connection with the gateway	Gateway
Your network	cwmpsvr-japan.ruijienetworks.com devicereg.ruijienetworks.com devreg.ruijienetworks.com	Any	3478, 3479,	UDP	Ruijie Cloud server delivers the CLI commands to the device	Ap/AC/Switch/Gateway
Your network	cdn-japan.ruijienetworks.com	Any	80, 443	TCP	Ruijie Cloud authentication server	STA
Your network	rylog-japan.ruijienetworks.com	Any	80, 443	TCP	Device log upload	AP, AC, Switch, Gateway

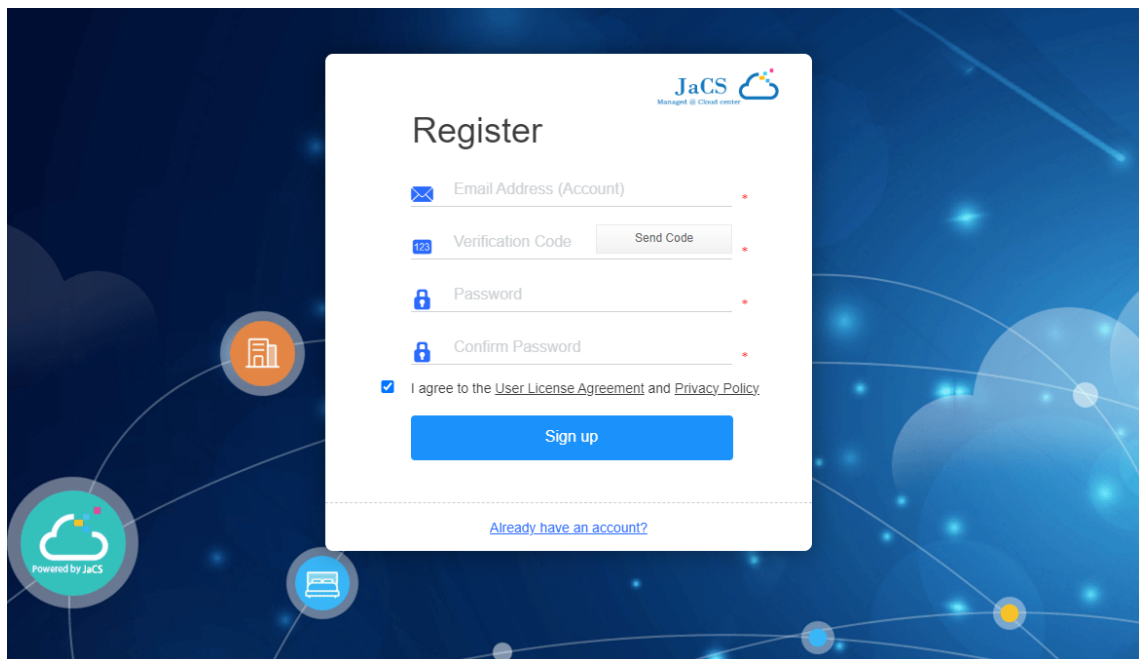
4 Register and Login

4.1 Register

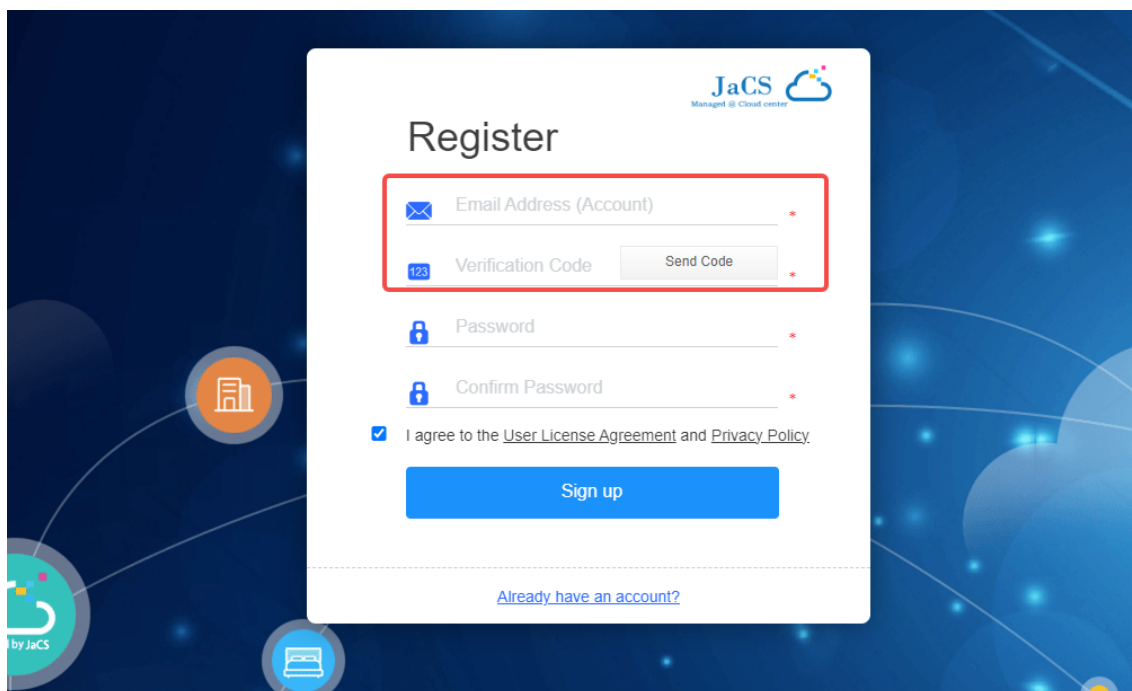
1. Visit <https://cloud-japan.ruijienetworks.com>.



2. Click **Sign up** to open the **Register** page.



3. Enter your Email address, click **Send Code**, and enter the verification code contained in the Email into the **Verification Code** box.



The screenshot shows the JaCS 'Register' form. The 'Email Address (Account)' and 'Verification Code' fields are highlighted with a red box. The 'Send Code' button is also visible. Below these fields are the 'Password' and 'Confirm Password' fields, a checkbox for the 'User License Agreement and Privacy Policy', and a 'Sign up' button. A link for 'Already have an account?' is at the bottom.



One email address can be registered once only.

4. Enter and confirm the password.



The screenshot shows the JaCS 'Register' form. The 'Password' and 'Confirm Password' fields are highlighted with a red box. The 'Send Code' button is visible. Below these fields is the checkbox for the 'User License Agreement and Privacy Policy' and the 'Sign up' button. A link for 'Already have an account?' is at the bottom.



The password should be a combination of two or more items among numbers, letters and special characters in the length of 5 to 12 characters. Space is not supported.

5. Fill in the rest required information and click **Sign up**. If your information is verified and saved, the registration succeeds.

4.2 Login

1. Visit <https://cloud-japan.ruijienetworks.com>.



2. Enter your username and password, and click **Login**. After the information is verified, you can access the system.

4.3 Trial Account

1. Click **Trial Account** to experience Ruijie JaCS under the guide without registering accounts.

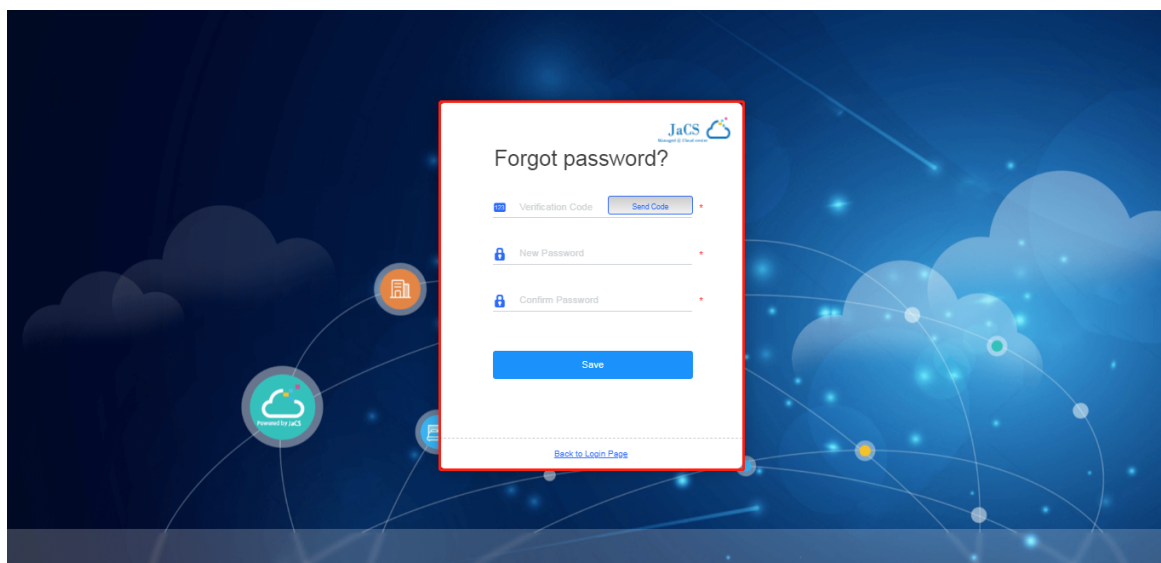


4.4 Forgot Password

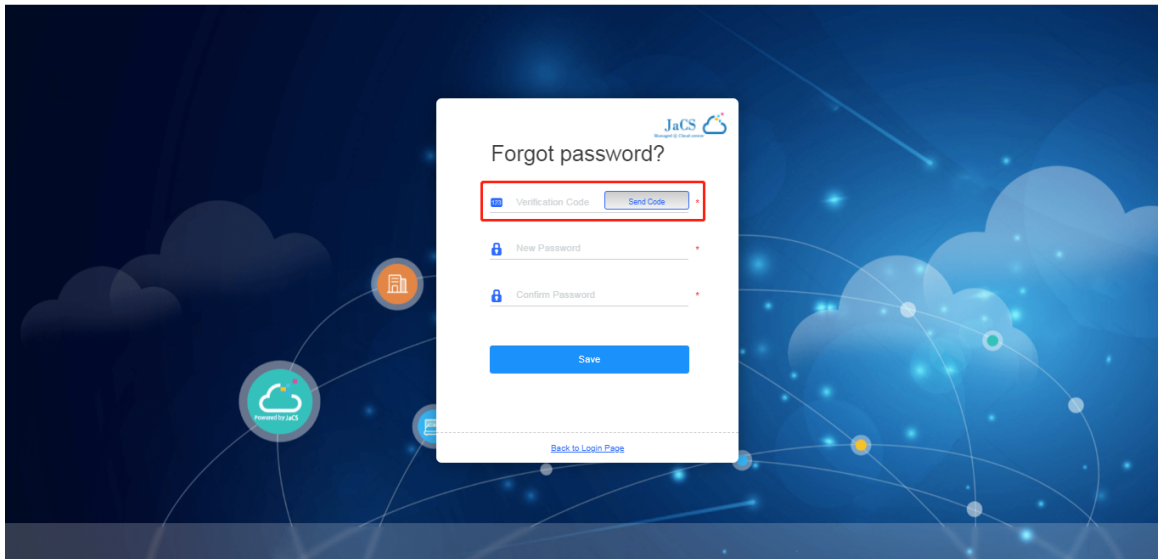
1. Visit <https://cloud-japan.ruijienetworks.com>.



2. Click **Forgot password?** to open the **Forgot password** page.

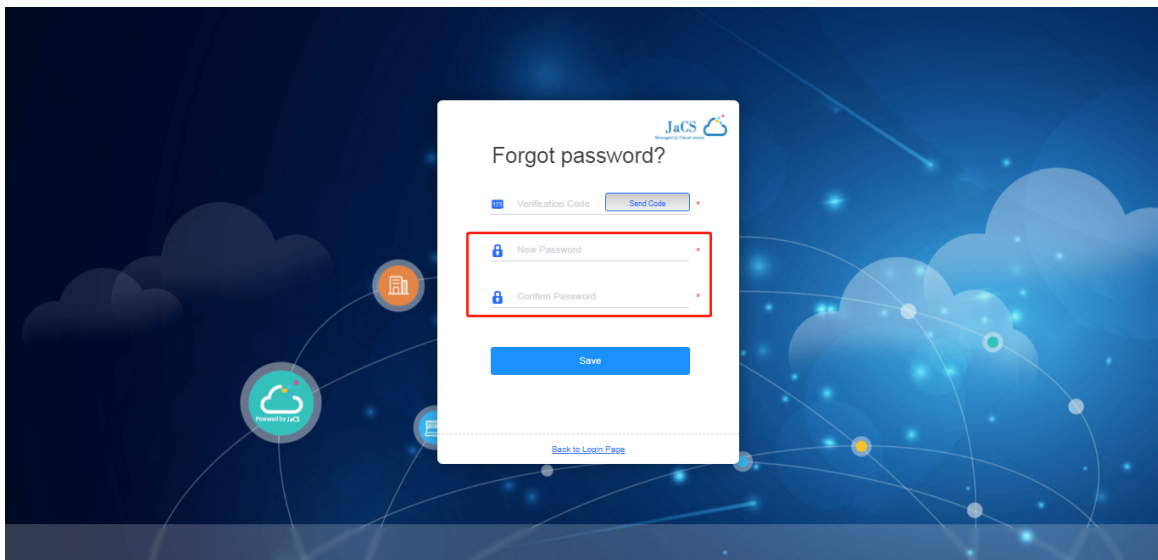


3. Enter the Email address for retrieving the password. Click **Send Code**, and enter the verification code contained in the Email into the **Verification Code** box.



The Email address is generally the same as the account.

4. Enter and confirm the new password.



The password should be a combination of two or more items among numbers, letters and special characters in the length of 5 to 12 characters. Space is not supported.

5. Click **Save**. If your information is verified and saved, you can use the new password to log into the system.

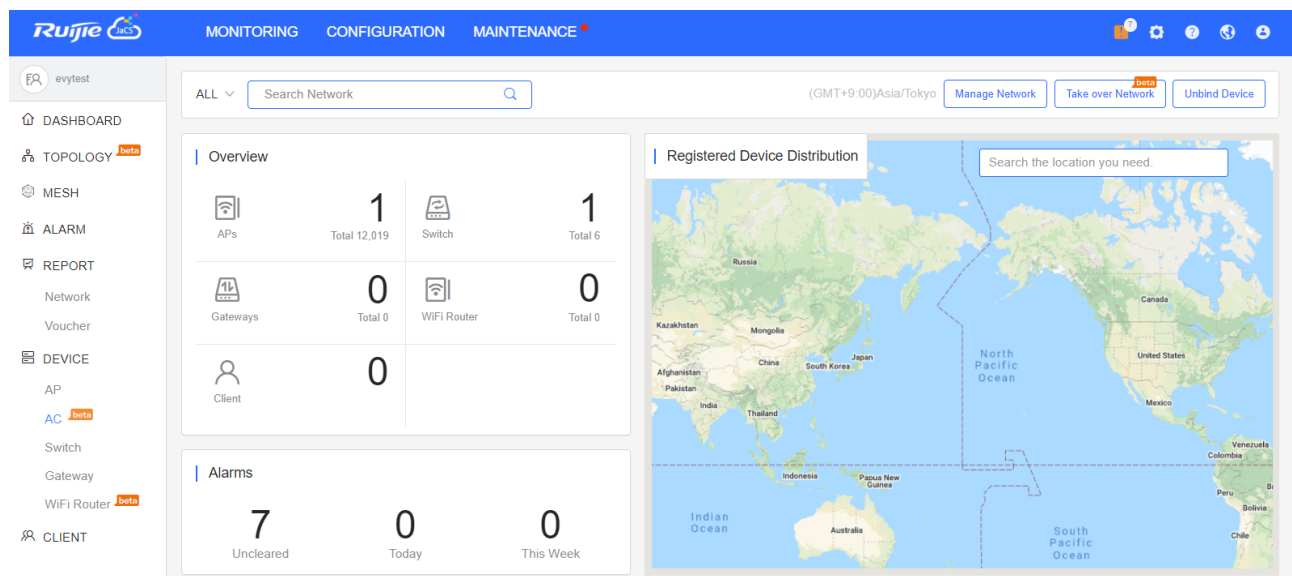
5 Monitoring

This part enables you to monitor the following items:

- DASHBOARD
- TOPOLOGY
- MESH
- ALARM
- REPORT
- DEVICE
- CLIENT

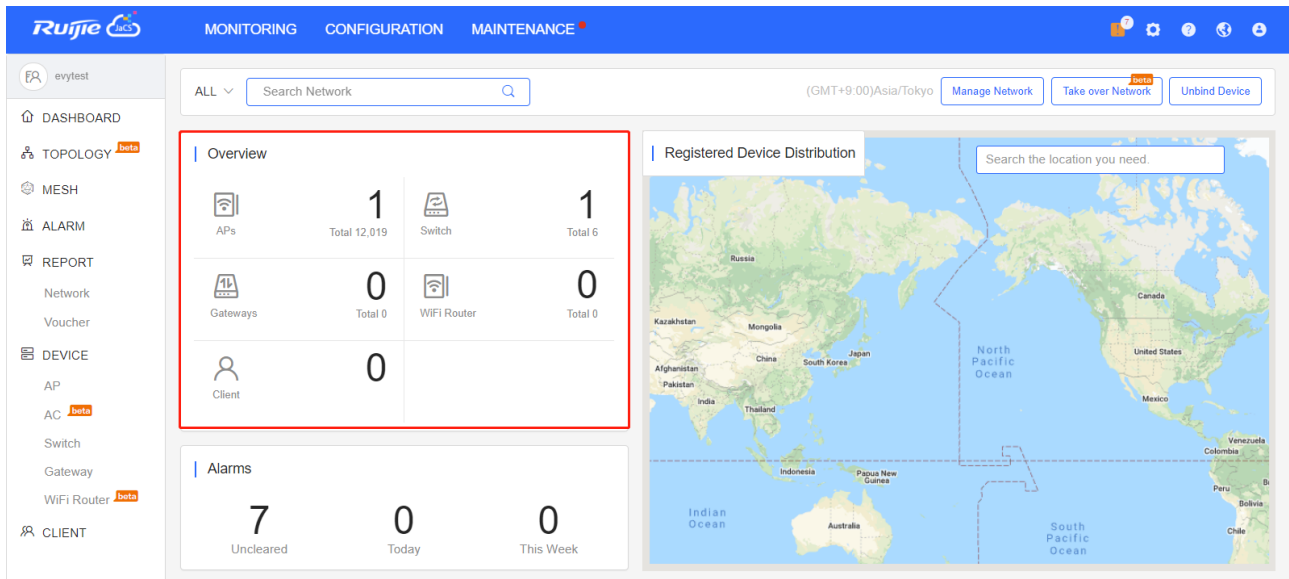
5.1 Dashboard

After logging in, the **Dashboard** appears, or you can click **Dashboard** in the menu to open the page.



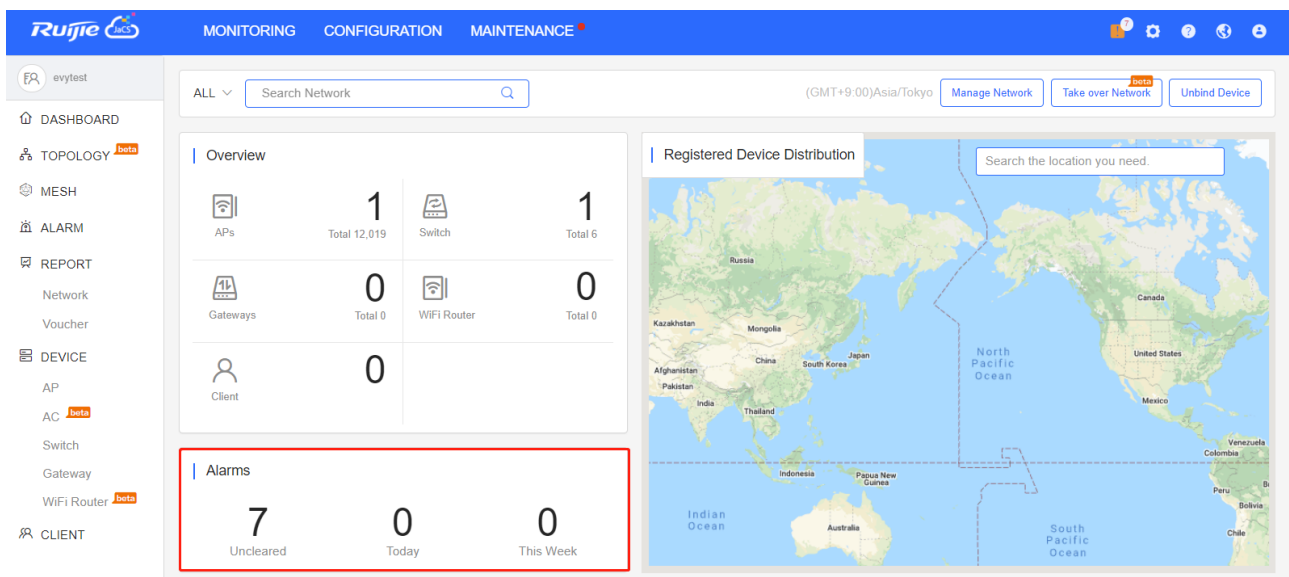
5.1.1 Overview

Overview displays the statistics of APs, switches, gateways and clients and WiFi Router. The upper number indicates the number of online devices, and the lower number indicates the total number of devices.

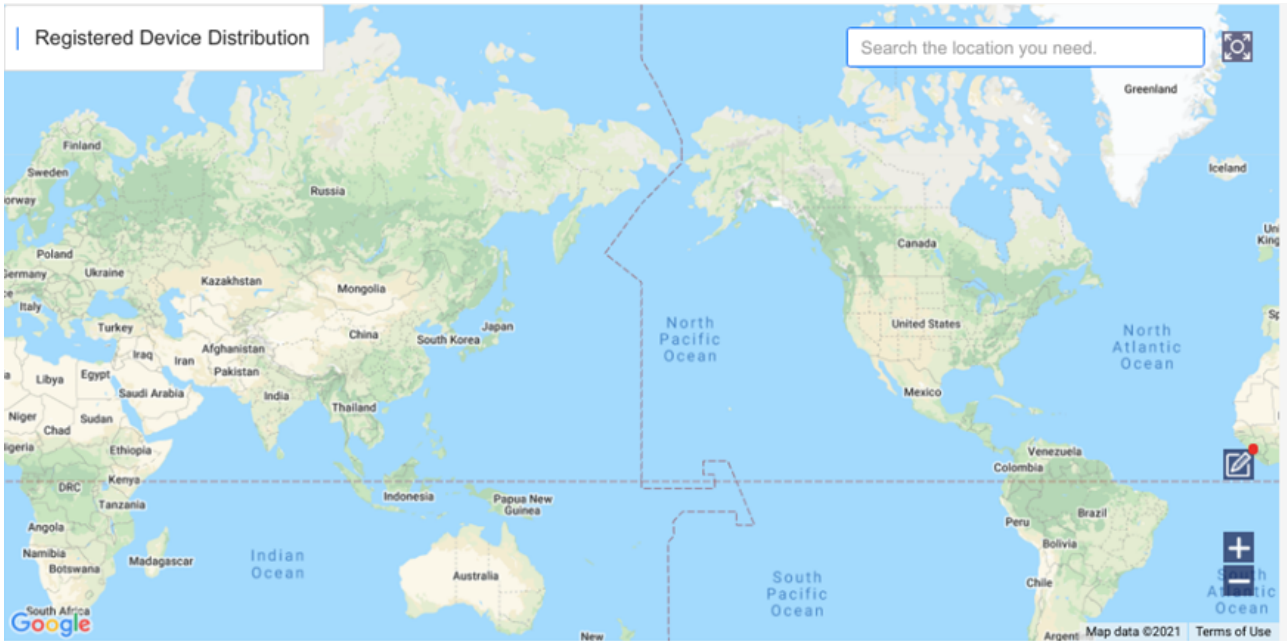


5.1.2 Alarms

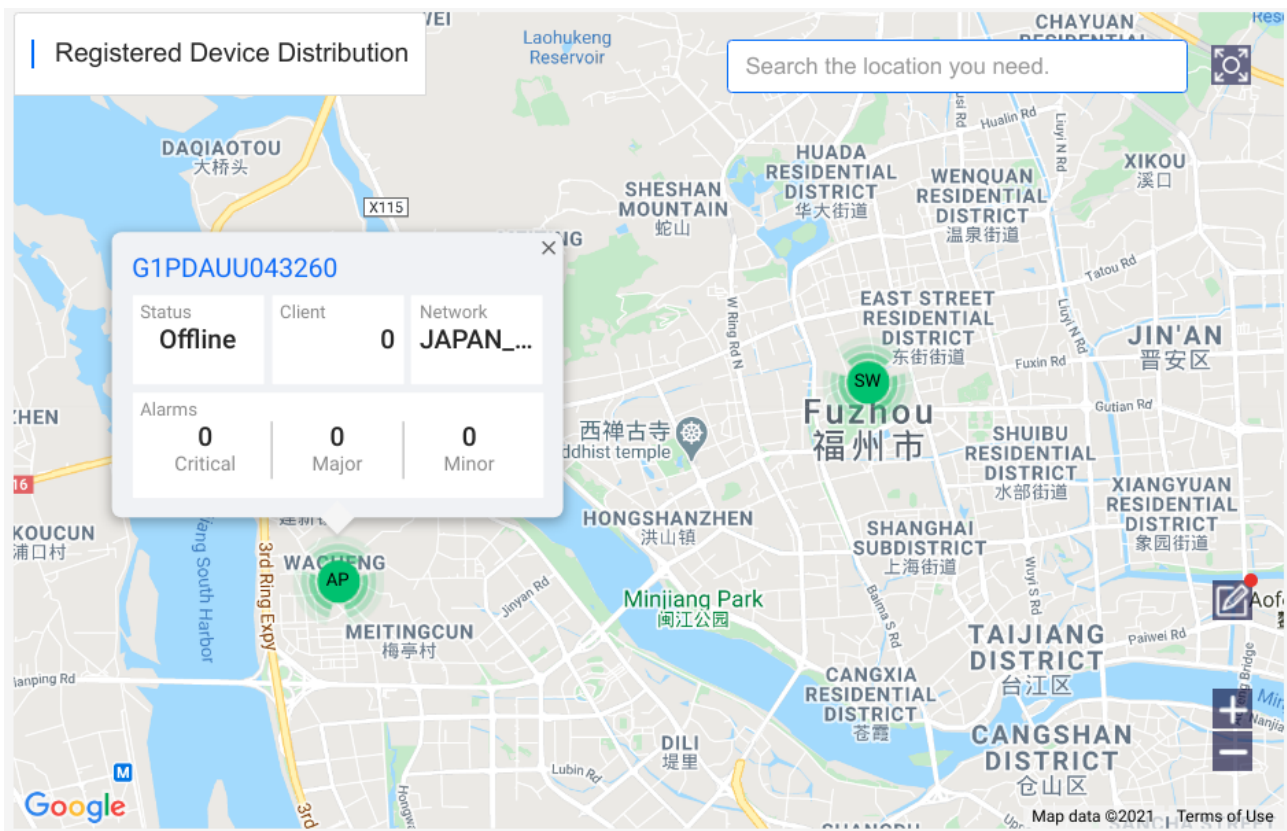
Alarms displays the number of uncleared alarms, new alarms today and total alarms generated this week.




5.1.3 Registered Device Distribution



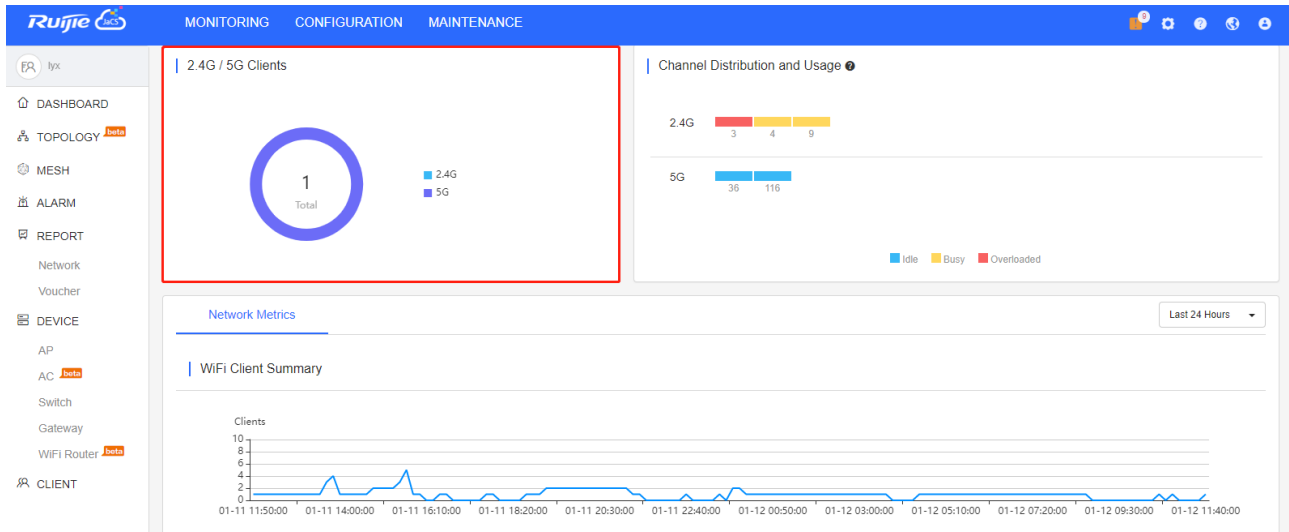
The map displays the device distribution by default. Devices are displayed in network, and the number on icon indicates the device number. Point to the icon, and the device and alarm number are displayed.



Click  to bind networks. In the **Unbound Network List**, you can drag a device to the map to bind the location; on map, you can drag a network to change its location, or click **Unbind** to unbind the location.

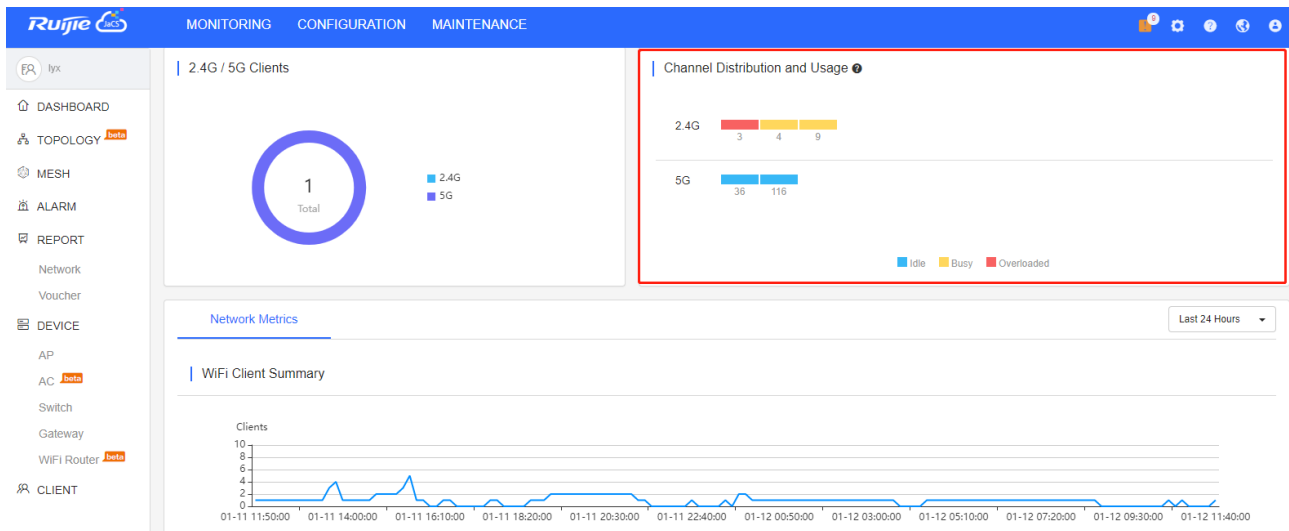
5.1.4 2.4G / 5G Clients

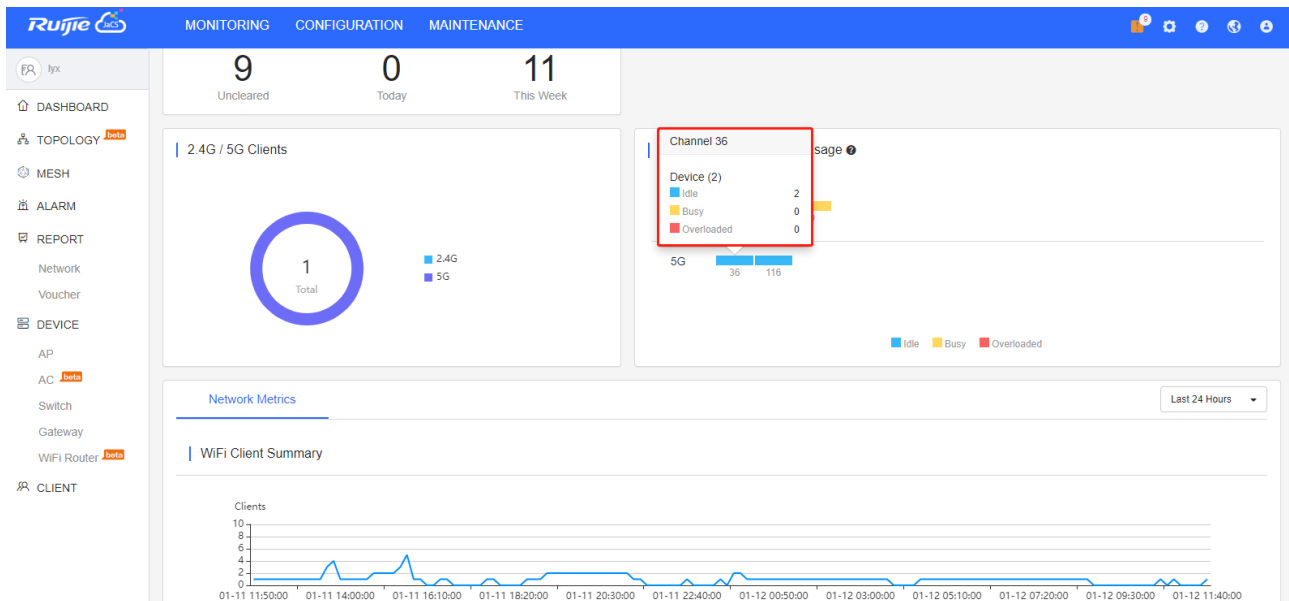
The chart displays the statistics of clients using 2.4G and 5G.



5.1.5 Channel Distribution and Usage

The chart displays the channel statistics.





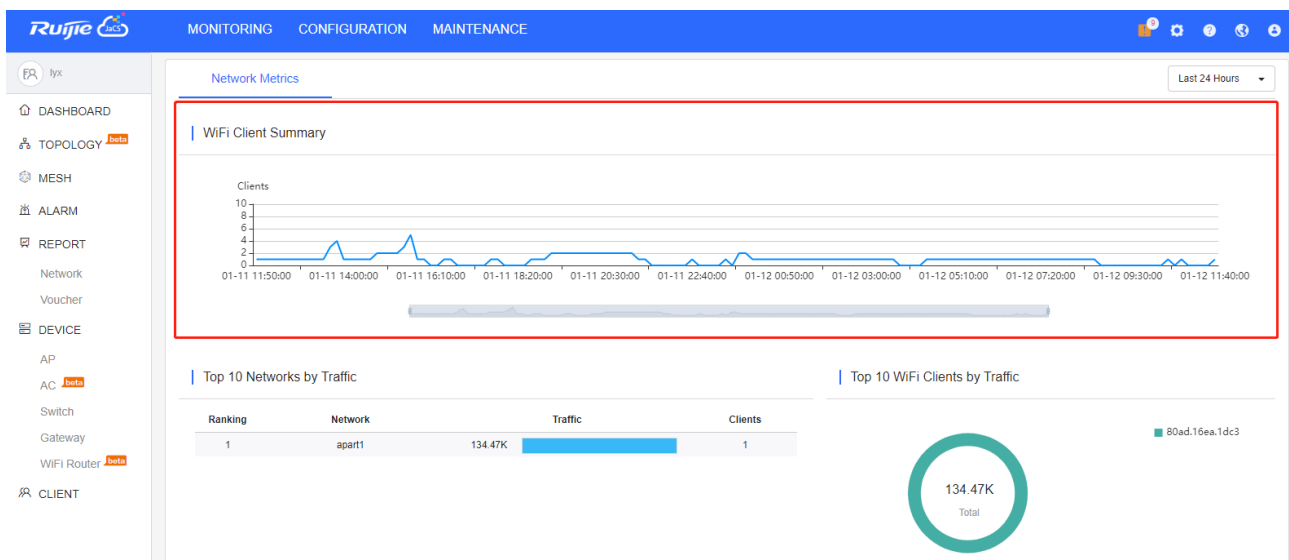
Point to a channel, and more details appear. The channel usage is graded as:

Idle: 0% to 59%

Busy: 60% to 79%

Overload: 80% to 100%

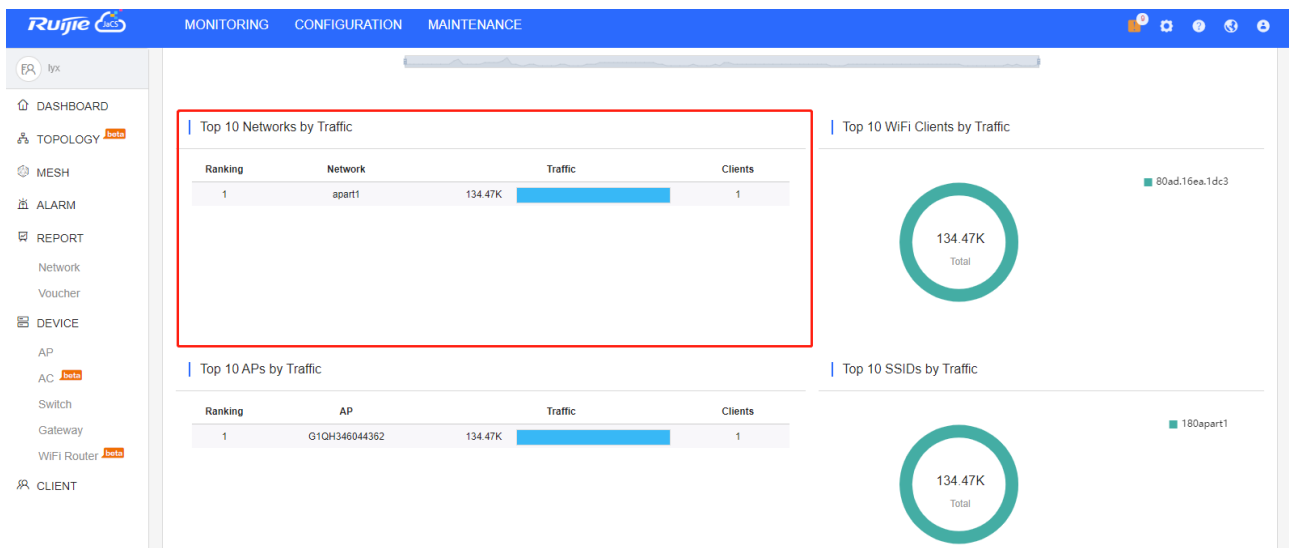
5.1.6 Client Summary



The chart displays the trend of recent clients.

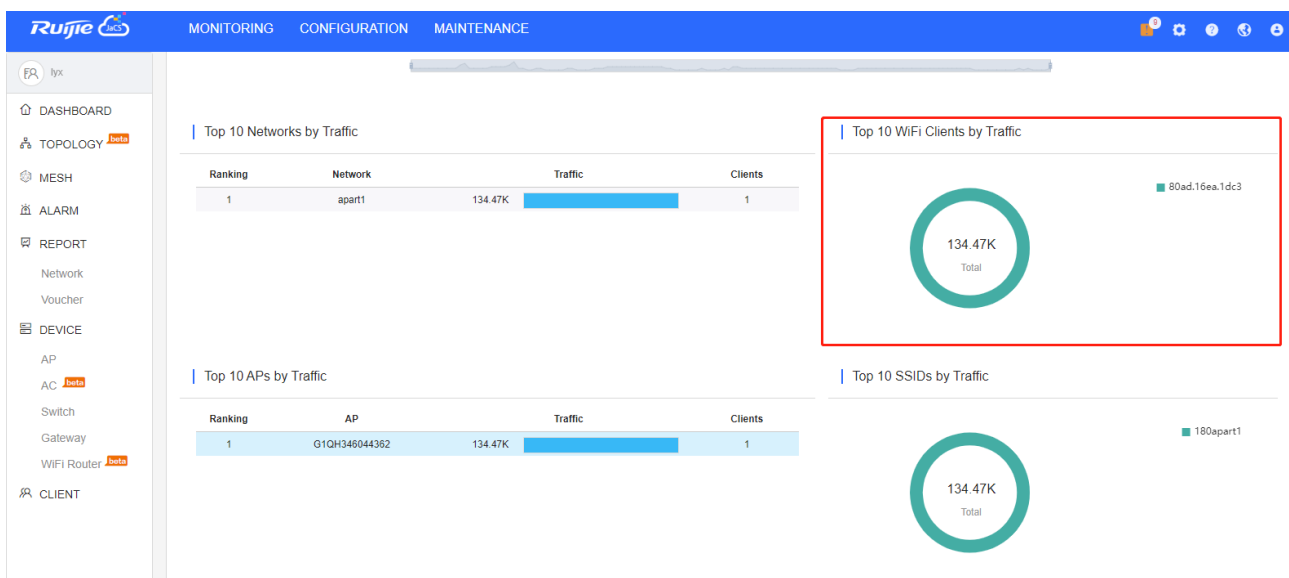
5.1.7 Top 10 Networks by Traffic

The table displays the top 10 networks ranked by traffic.



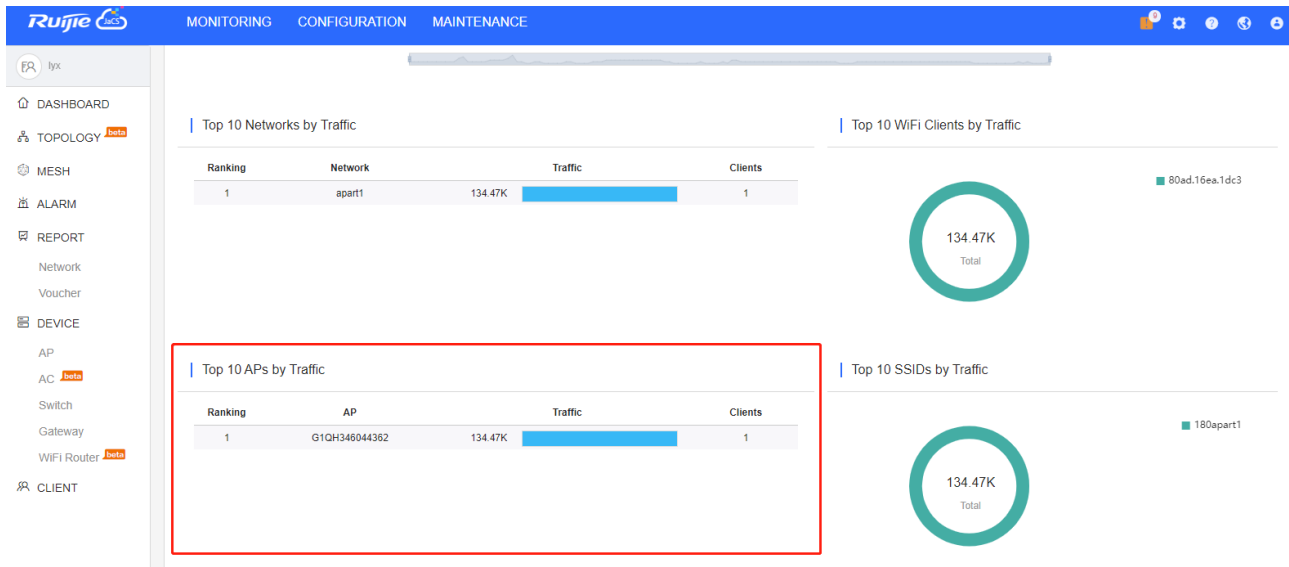
5.1.8 Top 10 Clients by Traffic

The chart displays the top 10 clients ranked by traffic.



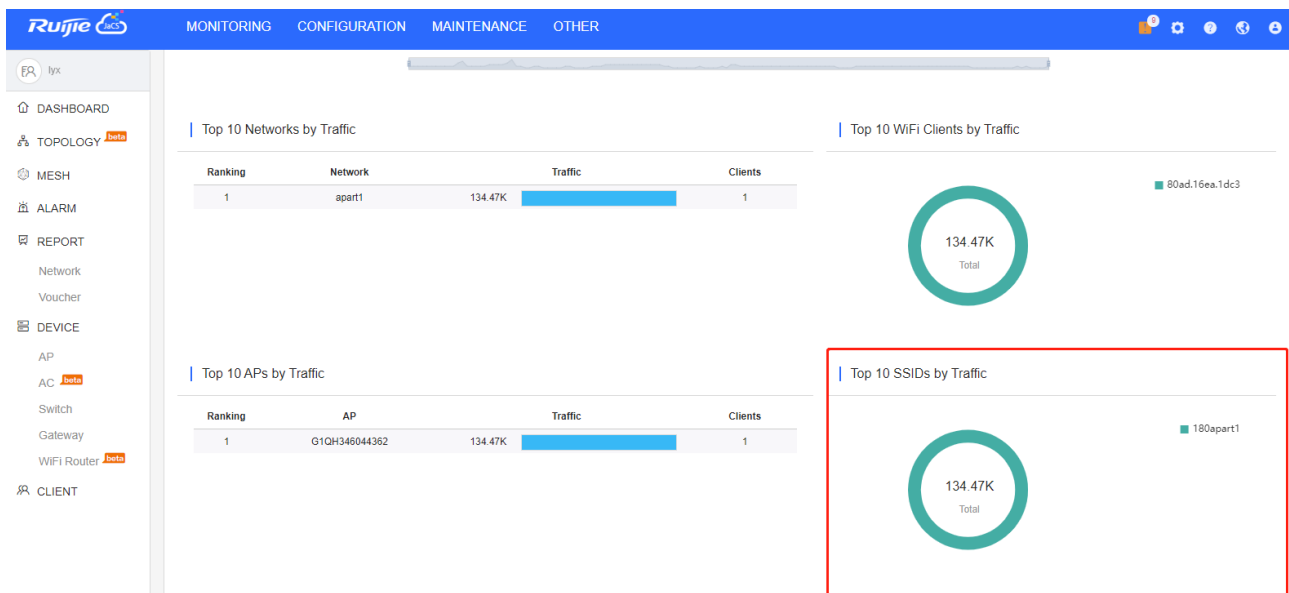
5.1.9 Top 10 APs by Traffic

The table displays the top 10 APs based on traffic.



5.1.10 Top 10 SSIDs by Traffic

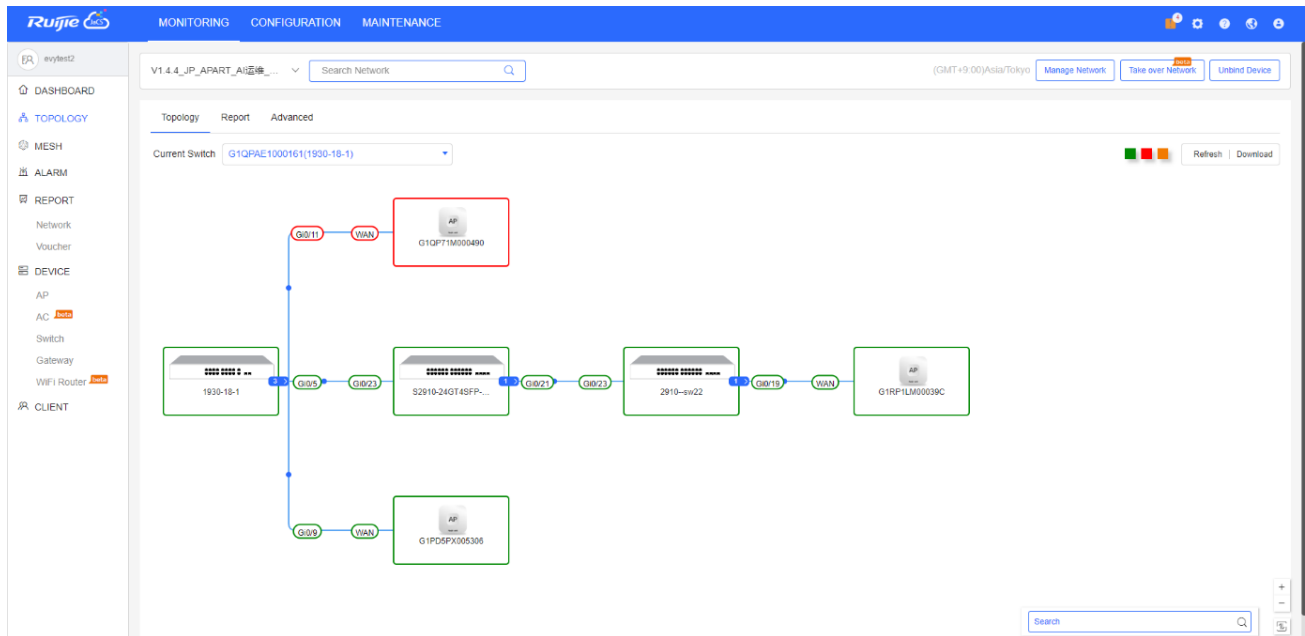
The chart displays the top 10 SSIDs based on traffic.



5.2 Topology

Topology page displays the topology of the downlink devices of an online switch in the current network. It supports to diagnose the running status of all online networks in a network, and generate diagnosis report.

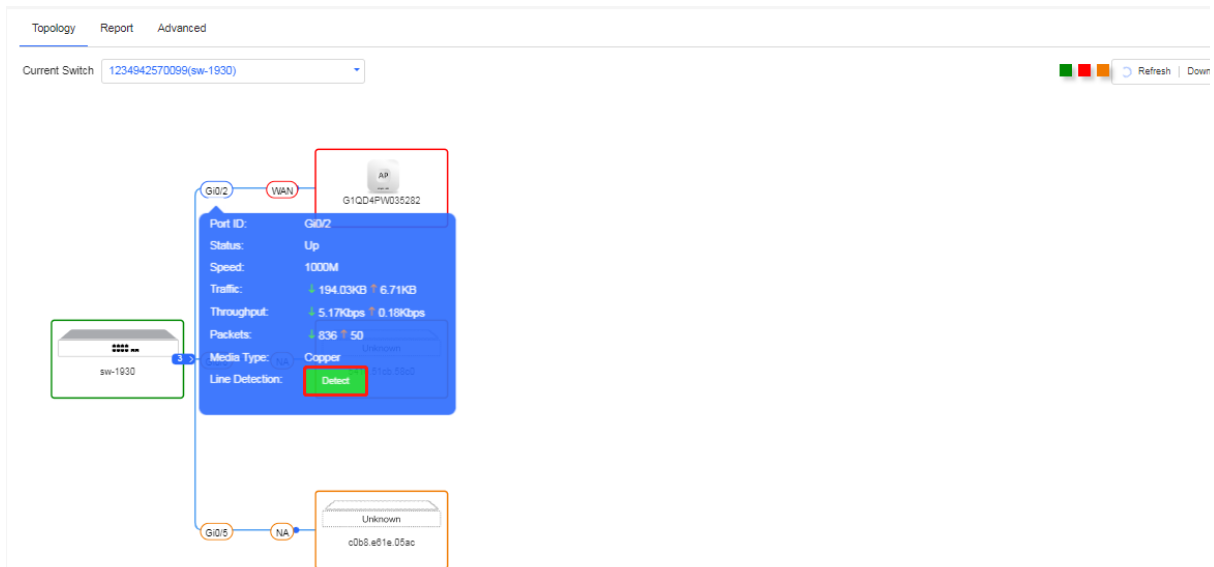
5.2.1 Topology



- **Current Switch:** You can select a switch in the current network group to display the topology of its downlink devices.
- **Search:** You can use a device SN or device name to search the device in the topology and check its information.
- Different colors indicate different connection status. Green indicates the device works normally. Red indicates the device goes offline or is disassociate from the switch. Orange indicates the device is not connected to the Cloud or it belongs to another account.
- **Refresh:** You can select a switch, and click **Refresh** to update the downlink topology of the switch. The fresh interval should be more than 10 minutes, otherwise a prompt message about frequent operations will appear. A topology update will be triggered when a switch is initially selected.

5.2.2 Physical Link Detection

In a topology, when you hover the mouse over a switch, the detail information of the switch will be displayed in a pop-up window. In this pop-up window, you can click the **detect** button to detect the status of a link. When the link is under detection, please do not perform any operation. Three results may occur as shown follows, including normal link, link failure and no link.



After completing the operation, you can click **MAINTENANCE > LOGS > Operation Log** to check the log.

Ruijie MONITORING CONFIGURATION MAINTENANCE

commonApartment

LOGS

Operation Log

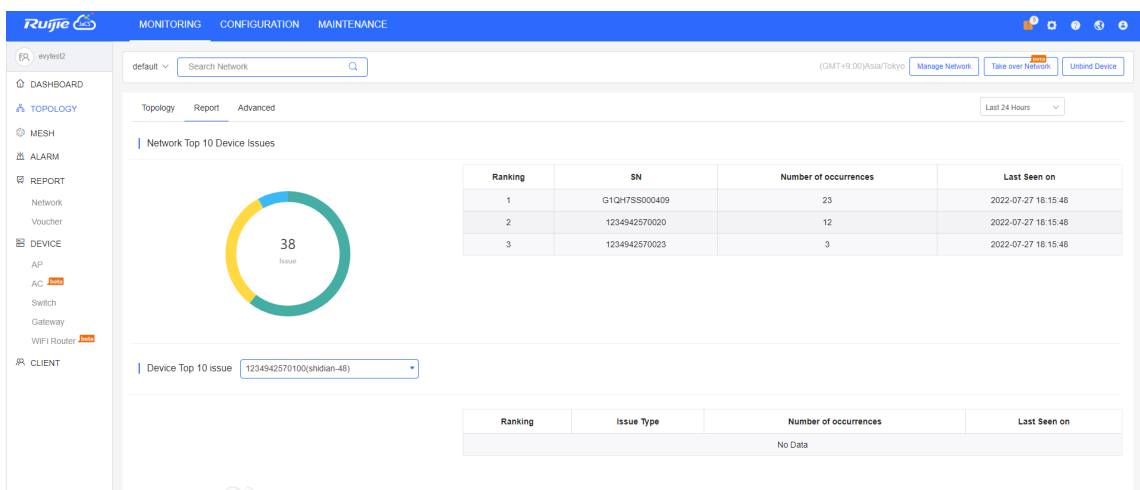
Started at: 08/28 Ended at: 08/28 Search

Time	Operator	Type	Description	Result	Result Description	Action
2022-08-30 18:24:52	commonApartment	Login	Log in successfully	Success	OK	
2022-08-30 18:23:07	commonApartment	Login	Log in successfully	Success	OK	
2022-08-30 17:59:11	commonApartment	Login	Log in successfully	Success	OK	
2022-08-30 17:25:44	commonApartment	Login	Log in successfully	Success	OK	
2022-08-30 11:21:48	commonApartment	Login	Log in successfully	Success	OK	
2022-08-30 11:14:50	commonApartment	Login	Log in successfully	Success	OK	
2022-08-30 10:58:08	commonApartment	Login	Log in successfully	Success	OK	
2022-08-29 15:33:07	commonApartment	Login	Log in successfully	Success	OK	
2022-08-29 10:40:36	commonApartment	Network	Add network [hotel-1], time zone[Asia/Tokyo], uplink group[ALL], SSID[hotel-1]	Success	The network is added	
2022-08-29 10:40:36	commonApartment	Roaming	Disable the L3 Roaming of Group [hotel-1]	Success	OK	

First Previous Page 1 of 5 Next Last

10 Total: 48

5.2.3 Report



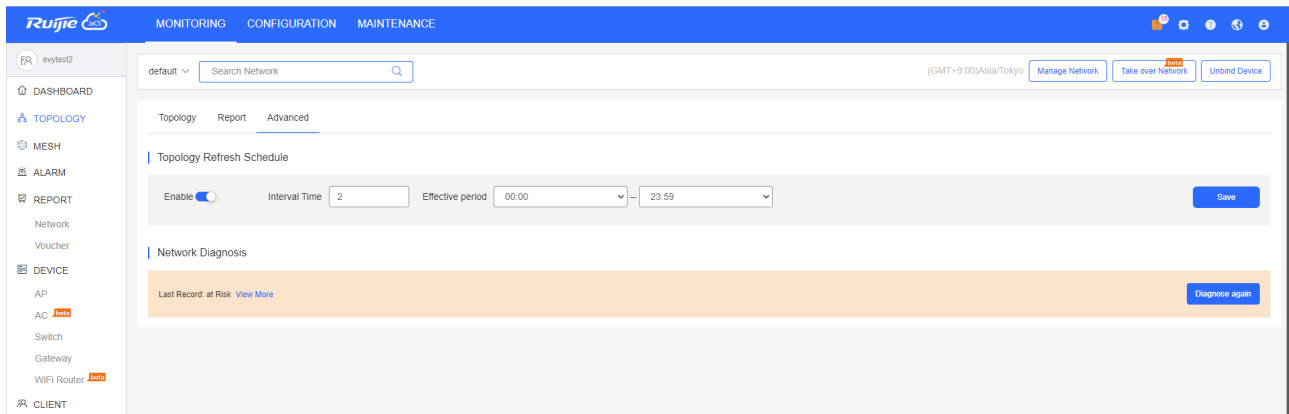
- Network Top 10 Device Issues

This chart displays the top 10 faulty devices and the last time when the fault occurs in a network.

- Device Top 10 issue

This chart displays the top 10 failure types occurring among devices and the last time when the fault occurs.
You can hover the mouse over a failure to check the details.

5.2.4 Advanced



5.2.4.1 Topology Refresh Schedule

In this page, you can set the time to refresh the topology. The min interval is 2 hours. You also can set a period to refresh the topology. At the start time, the topology will be refreshed once only. If the interval between the start time and the end time is less than 2 hours, the topology will be refreshed only at the start time. If you disable this function, all the settings become invalid.

| Topology Refresh Schedule

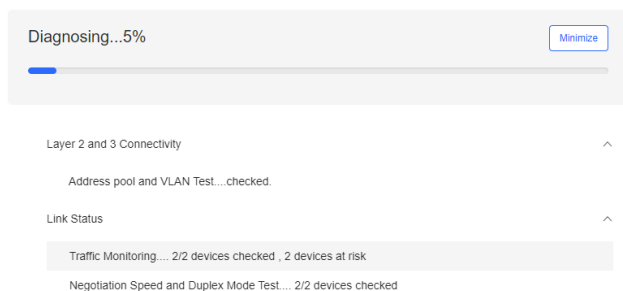
Enable ☐ Interval Time Effective period -- [Save](#)

5.2.4.2 Network Diagnosis

| Network Diagnosis

Last Record: Pass [View More](#) [Diagnose again](#)

When you click Diagnose again, the following figures will be displayed.



Pass

Close

✔ Layer 2 and 3 Connectivity

▼

✔ Link Status

▼

If a risk is detected, the following page will appear.

1 risks to be fixed

You can fix it according to suggestion.[Diagnose again](#)

Minimize

⚠ Link Status

^

⚠ 5 devicesTraffic Monitoring at Risk

5 devices to be fixed

[View More](#)

✔ Negotiation Speed and Duplex Mode Test.

✔ Layer 2 and 3 Connectivity

▼

You can click **View More** to check the details of the risk.

BackTraffic Monitoring

Devices to be Fixed(1) ^

SN:1234942570061

at Risk

Suggestion ▼

Click **Suggestion**, a suggestion will be offered to help you fix the issue.

BackTraffic Monitoring

Devices to be Fixed(1) ^

SN:1234942570061

at Risk

Suggestion ^


Details:Port [Gi0/11,Gi0/1,Gi0/7] the rldp loop detection function is not turned on.

Suggestion:It is recommended that port [Gi0/11,Gi0/1,Gi0/7] enable the rldp loop detection function.

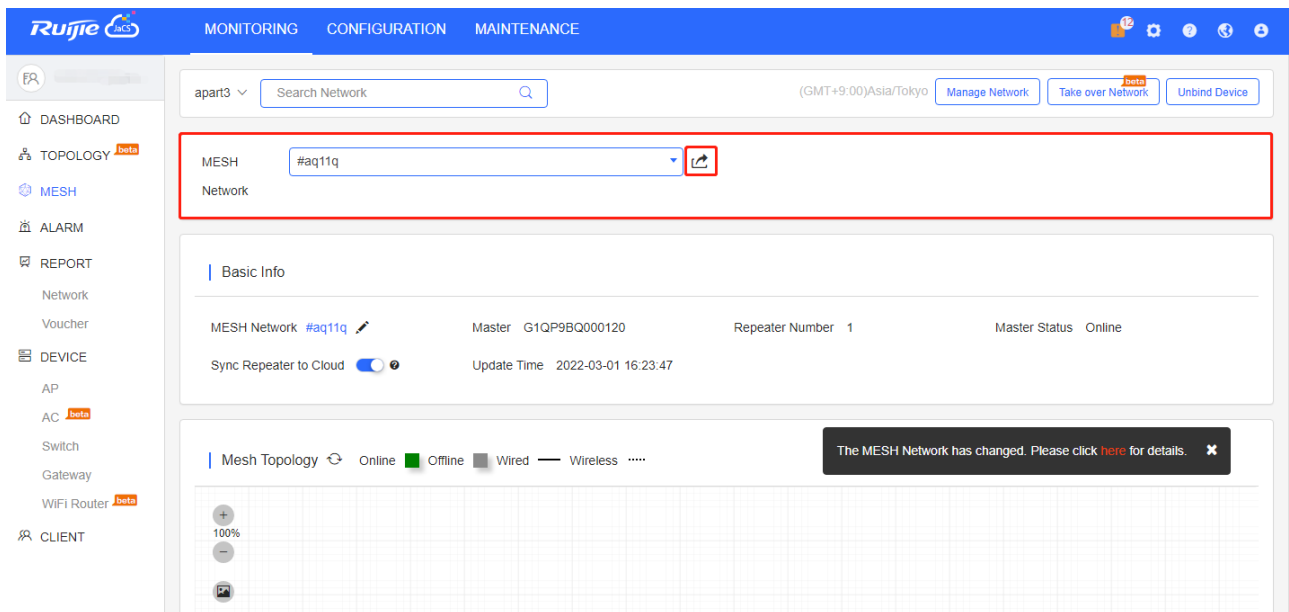
5.3 Mesh

Mesh consists of three parts: **Mesh Network**, **Basic Info** and **Mesh Topology**.

5.3.1 Mesh Network

Select the specified Mesh network in the **Mesh Network** box, and click  to export the network report.

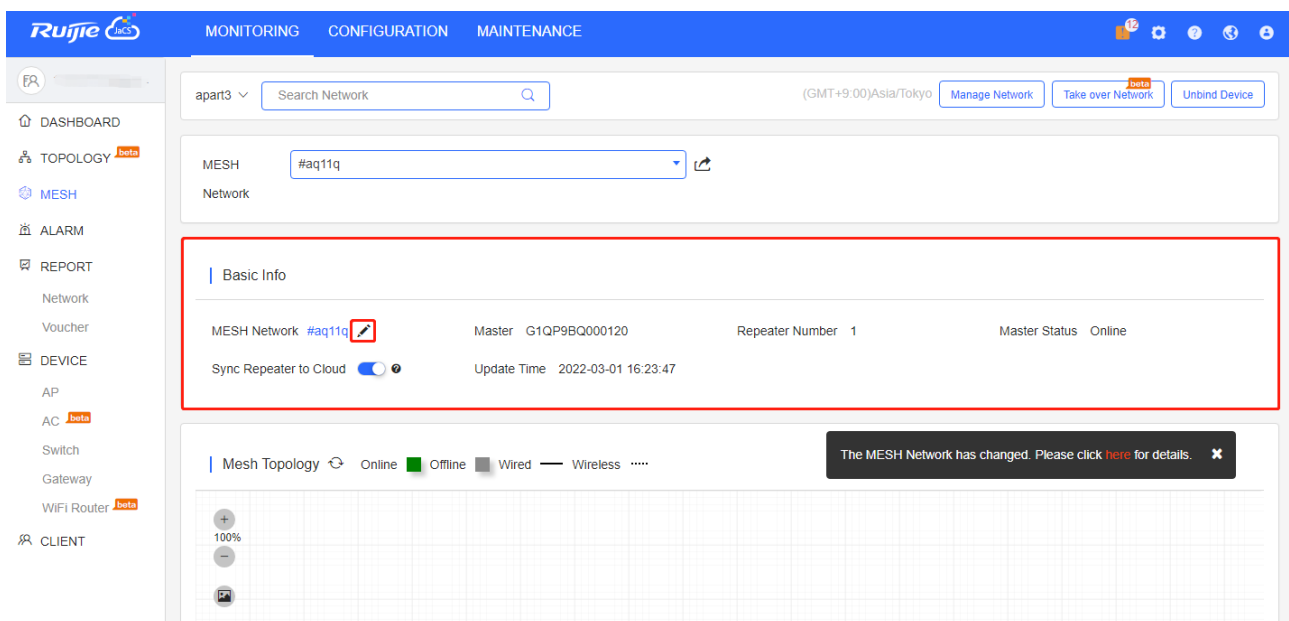
19



5.3.2 Basic Information

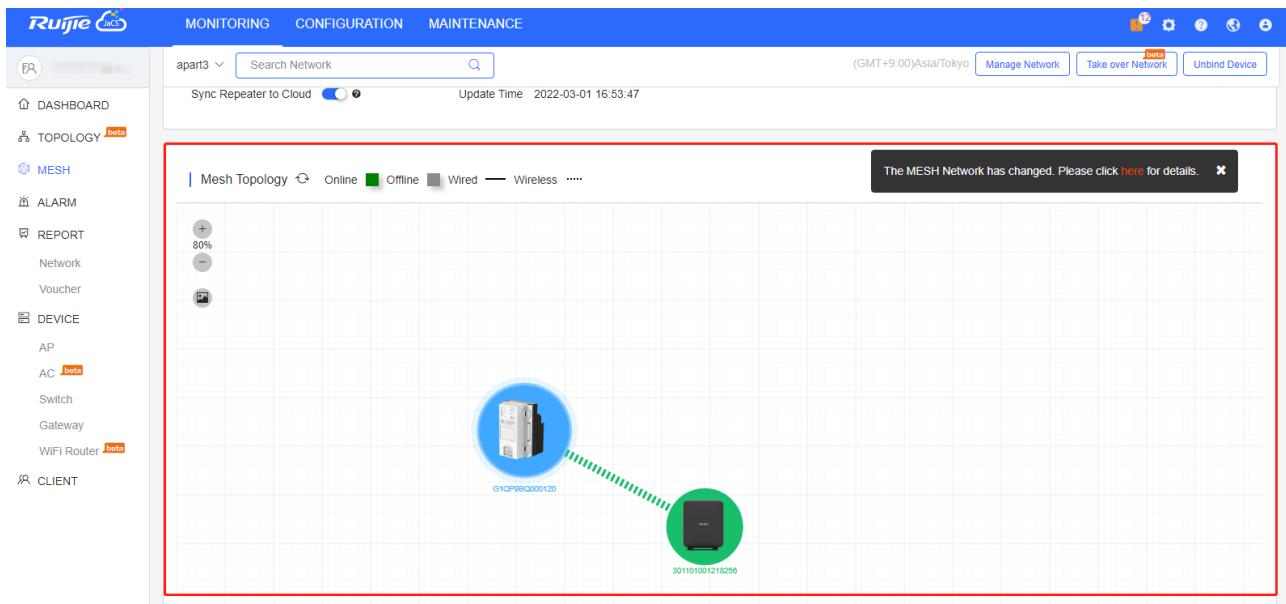
The basic information of Mesh network includes network name, SN of master device, quantity of repeaters, status of master device, and update time. You can enable/disable the function of automatically syncing repeaters to Ruijie JaCS.

To edit the network name, click .

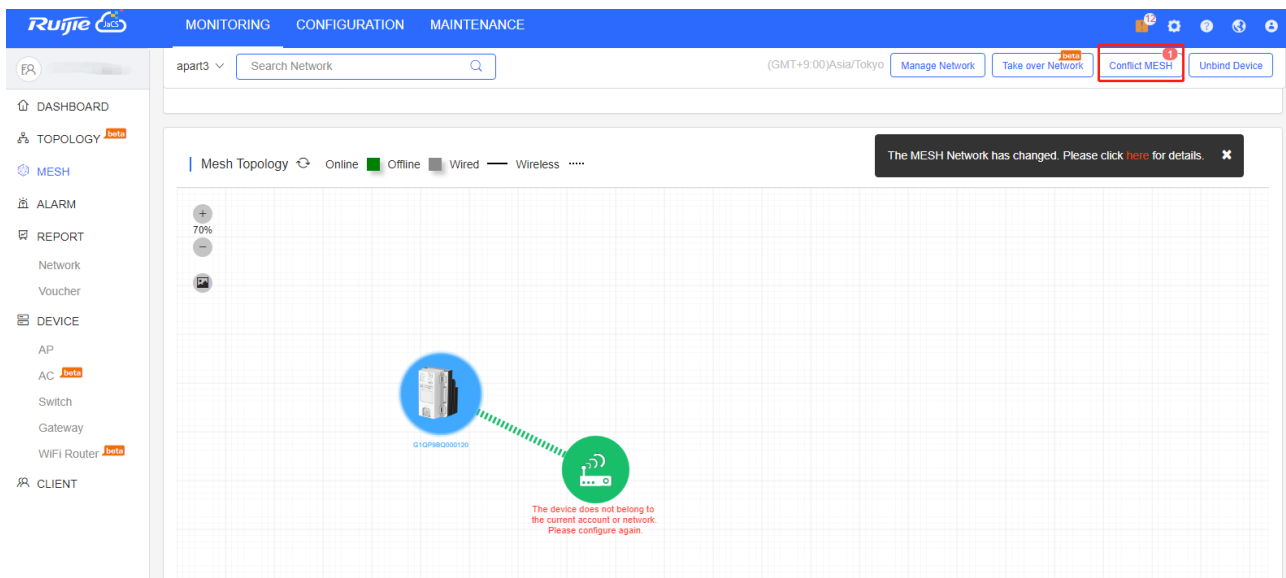


5.3.3 Mesh Topology

The **Mesh Topology** displays the current Mesh topology, including the information of devices and clients. If the topology changes, a prompt will be displayed and you can click the prompt to open the **Mesh Log** page.



If a device in the Mesh network does not belong to the current network or its sub-networks, the topology will be displayed as below:



Click  to check the conflict Mesh network.

The screenshot shows the Ruijie Cloud Management System interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', and 'MAINTENANCE'. The left sidebar lists various network components: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, DEVICE, AP, AC, Switch, Gateway, WIFI Router, and CLIENT. The main content area is titled 'Alarms' and 'Conflict MESH'. A yellow warning box states: 'The devices of the MESH network are not in the same network. Please move the devices to the same network for management.' Below this, a table displays the conflict details:

Network	MESH Network	Master SN	Master MAC
apart3	#aq11q	G1QP9BQ000120	ecb9.706e.0bab

Navigation buttons include 'First', 'Previous', 'Page 1 of 1', 'Next', and 'Last'. A pagination control shows '10' and 'Total: 1'.

Only after the devices are added to the same network, the conflict prompt will disappear.

- Click a device, and the device details will be displayed.

Device Details

Device Info



Role Master

SN : [G1QP9BQ000120](#)

MAC ecb9.706e.0bab

IP Address 192.168.188.151

Model RG-MA2610-PE

Alias --

Client List

IP	MAC	SSID	RSSI	Band	Online Time	Action
No Data						
<div> First Previous Page 0 of 0 Next Last 10 Total: 0 </div>						

- Click a client, and the client details will be displayed.

x

Client Info

MAC : 80ad.16ea.1dc3

Uptime : 3h 49m 4s

OS : Android

AP Alias :

Experience ?



- Click [here](#) to open the **Mesh Log**.

[MONITORING](#)
[CONFIGURATION](#)
[MAINTENANCE](#)

apart3

Search Network

Q

(GMT+9:00)Asia/Tokyo

Manage Network

Take over Network beta

Unbind Device

Dashboard

Topology beta

MESH

ALARM

REPORT

Network

Voucher

DEVICE

AP

AC beta

Switch

Gateway

WIFI Router beta

CLIENT

Network

Basic Info

MESH Network

#aq11q

Master

G1QP9BQ000120

Repeater Number

1

Master Status

Online

Sync Repeater to Cloud

☒

Update Time

2022-03-01 17:18:47

Mesh Topology

Online

Offline

Wired

Wireless

.....

+

100%

-

The MESH Network has changed. Please click [here](#) for details.

MESH Log



MAC, MESH Network

Started at



Ended at



Search

Operation Type	MAC	MESH Network	Create Time	Content
Device online	c470.ab53.c922	#aq11q	2022-03-01 14:08:47	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 14:08:47	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Device online	c470.ab53.c922	#aq11q	2022-03-01 10:48:38	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 10:48:38	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Device online	c470.ab53.c922	#aq11q	2022-03-01 09:58:39	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 09:58:39	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Device online	c470.ab53.c922	#aq11q	2022-03-01 09:43:40	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 09:43:40	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Network is disconnected	c470.ab53.c922	#aq11q	2022-03-01 09:38:39	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] is disconnected in the mesh network
Network is disconnected	ecb9.706e.0bab	#aq11q	2022-03-01 09:38:39	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] is disconnected in the mesh network

First

Previous

Page

1

of 15

Next

Last

10 Total: 148

5.4 Alarm

5.4.1 Alarm List

Alarm List displays the cleared alarms. **Alarm List** supports the search based on AP serial number, alarm type, alarm level, alarm generation time and alarm updated time.

You can configure thresholds in **Alarm Settings**.

The screenshot shows the Ruijie Cloud Management System interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM (selected), REPORT, DEVICE, and CLIENT. The main content area is titled 'Alarm List' and shows a table of alarms. The table has columns for Network, SN, Type, Level, Cleared, and Content. The table lists several alarms, including 'High channel usage on AP', 'All devices are offline', and 'Imported MAC, SSID and/or password check'. The page also includes search filters and pagination controls.

The following describes the conditions for generating alarms.

Type	Condition	Description
Device goes offline	An AP goes offline.	The AP is disconnected from the Cloud Service, or the AP is powered off.
Device goes online and offline continually	The online/offline change times of an AP exceeds the default threshold within two hours.	The connection between the AP and the system is unstable or the AP has a firmware or hardware fault.
All devices are offline	All APs in a network go offline.	

High channel usage on AP	The RF channel utilization exceeds 80%.	RF channel utilization is high and interference is strong. It is recommended to change the channel.
System usage(CPU/memory usage) above threshold	The CPU or memory usage of AP/switch/gateway exceeds the threshold.	For AP, the default threshold for CUP usage is 85% and for memory usage is 85%. For switch, the default threshold for CUP usage is 50% and for memory usage is 65%. For gateway, the default threshold for CUP usage is 50% and for memory usage is 65%. Custom values are not supported.
Switch loopback detected (RLDP)	A loop occurs on the switch.	
Abnormal network access on gateway	The gateway port fails to ping the specified domain or IP for several times.	When the Ping test failed for the specified times, the alarm is sent. The times and domain/IP address can be configured manually.
High packet loss speed on gateway	The packet loss rate of gateway exceeds the threshold.	When the packet loss rate exceeds the specified percentage of threshold for several times in 5 minutes, the alarm is sent. The times and threshold can be configured manually.
Uplink speed above threshold on gateway	The uplink rate exceeds the specified percentage of threshold for several times.	When the uplink rate exceeds the specified percentage of threshold for several times, the alarm is sent. The threshold, times and percentage can be configured manually.
Downlink speed above threshold on gateway	The downlink rate exceeds the specified percentage of threshold for several times.	When the downlink rate exceeds the specified percentage of threshold for several times, the alarm is sent. The threshold, times and percentage can be configured manually.
Imported MAC, SSID and/or password check	Device import	When the imported MAC and the actual MAC are inconsistent, or the SSID/password changes, the alarm is sent.

5.4.2 Ignore Alarm


Select the alarm you want to ignore in **Alarm List**, and click the **Ignore Alarm** button. A popup window will be displayed. After click **OK**, the alarm will be ignored.

5.5 Report


5.5.1 Network

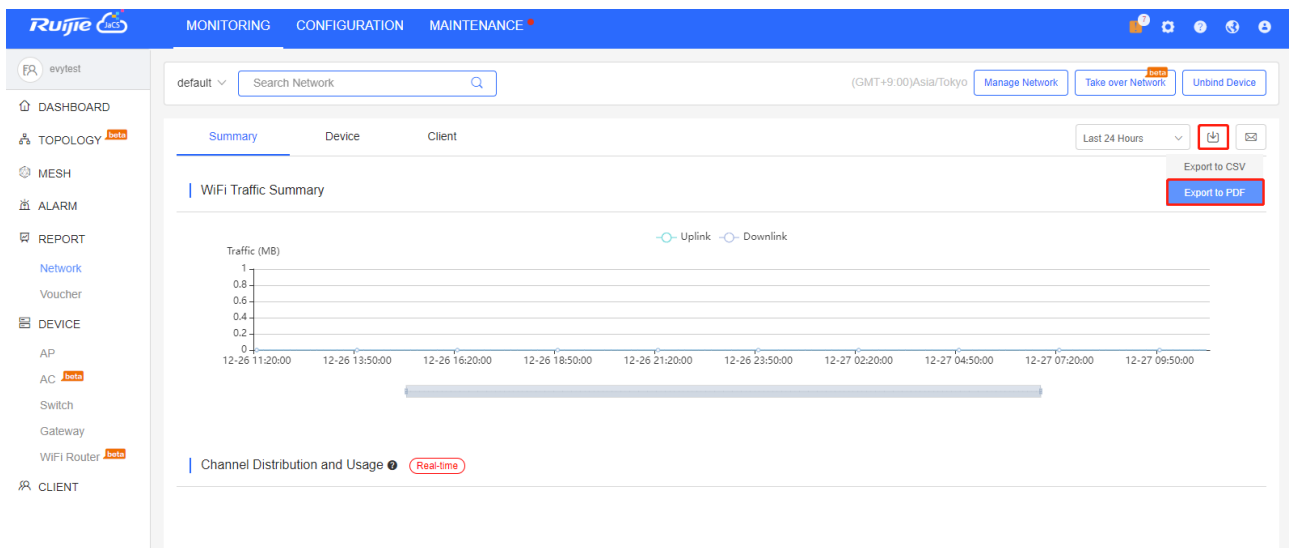
Network is divided into 3 parts: **Summary**, **Device** and **Client**. Except the statistical charts with **Real-time** that display real-time data and **Client > Experience** chart that only displays data in the last 7 days, all other charts support searching data in the last 30 days with the same query conditions. All charts automatically refresh every minute. Reports can be exported into CSV or PDF files, or sent by Email.

- Export to CSV

Point to , and click **Export to CSV**.


- Export to PDF

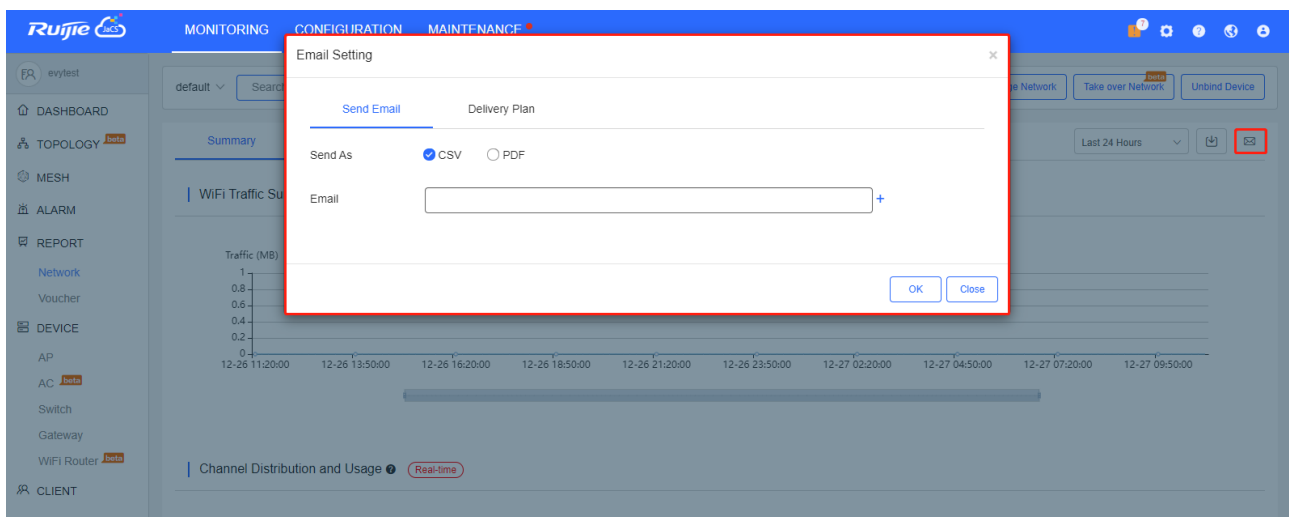
Point to , and click **Export to PDF**.



● Mail



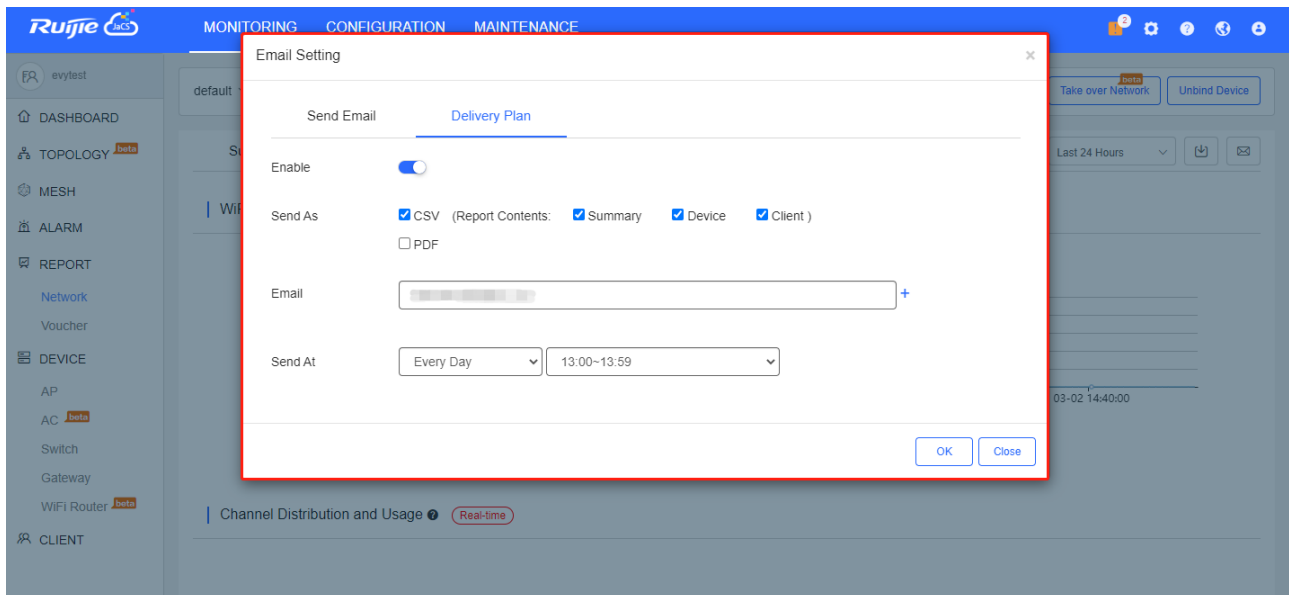
Click , and select **Send Email**. Choose a file type for the report, then enter Email addresses. After click **OK**, the report will be sent immediately.



Click , and select **Delivery Plan**. Click **Enable** to send the report on the specified time.

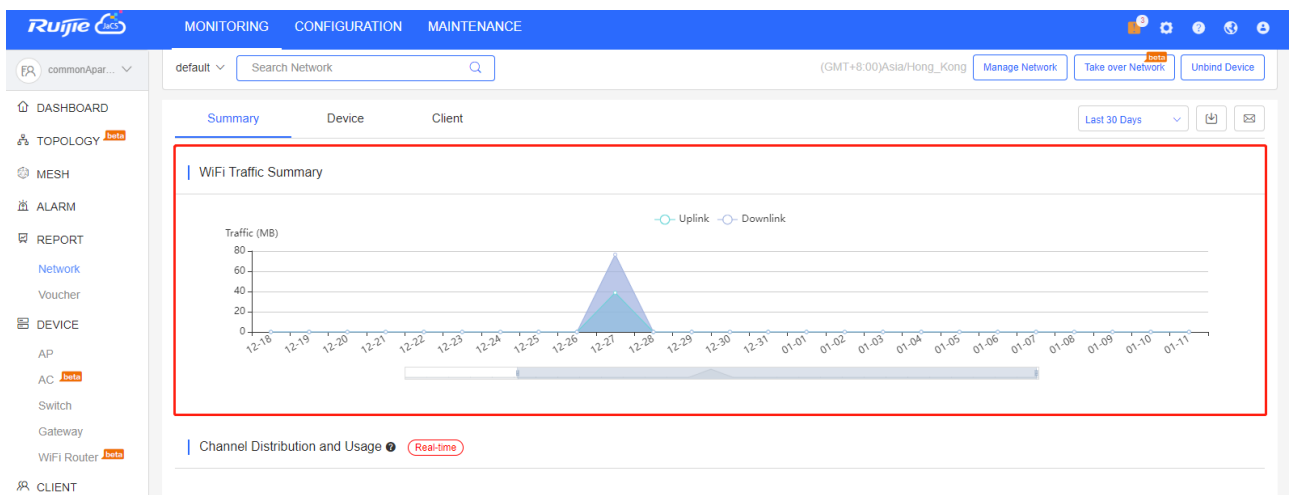
Report includes the data of Summary, Device and Client, and supports CSV and PDF file formats.

Reports can be sent every month, week or day.



Up to three Email addresses are supported.

● Summary > WiFi Traffic Summary

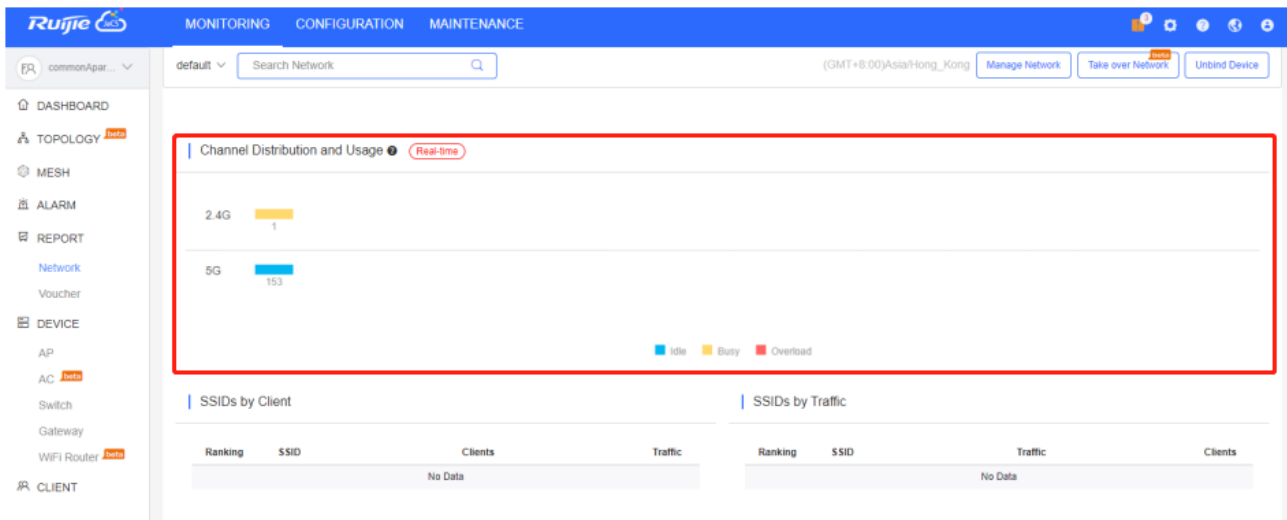


The uplink/downlink traffic summaries of the selected network during the specific period.

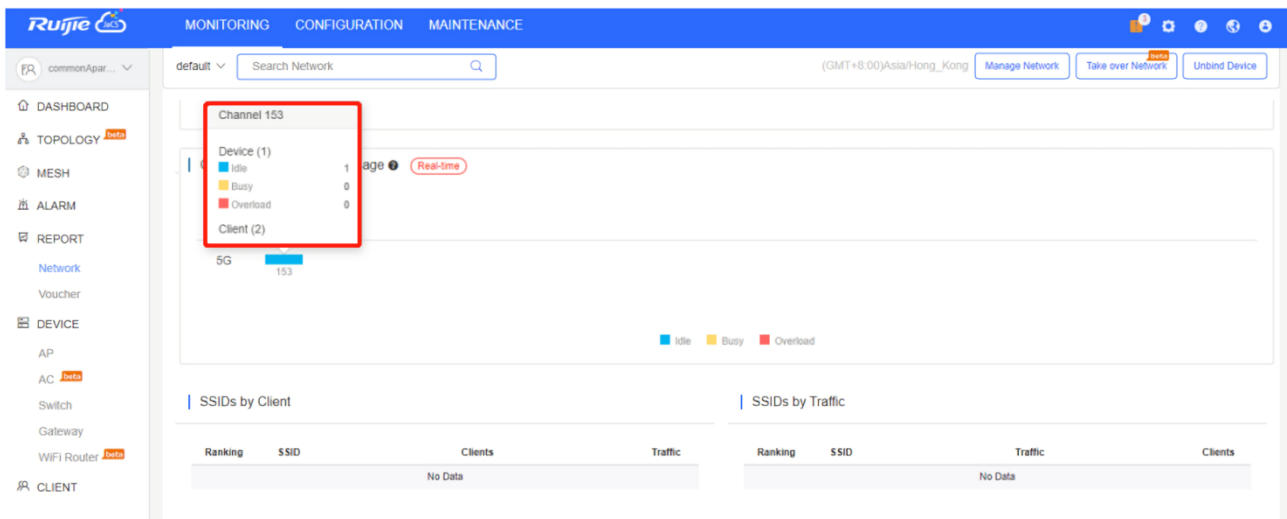
Uplink: Traffic directed from internal network to external network.

Downlink: Traffic directed from external network to internal network.

● Summary > Channel Distribution and Usage



The channel distribution and usage of the selected network.



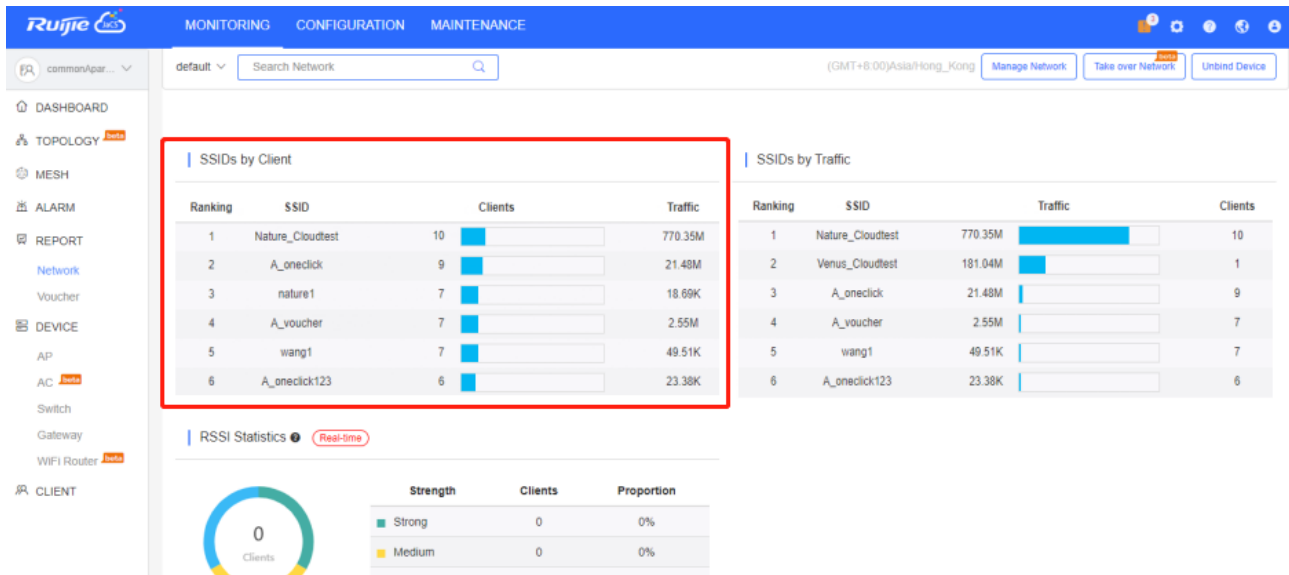
Point to a channel to view more details. The channel usage is graded as:

Idle: 0% to 59%

Busy: 60% to 79%

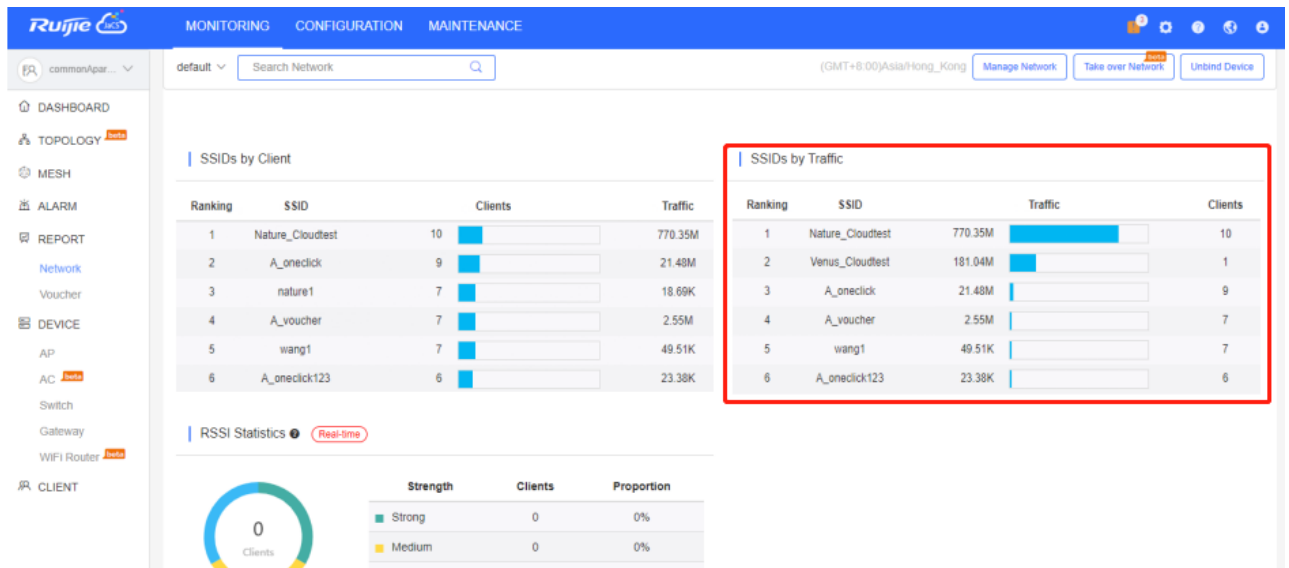
Overload: 80% to 100%

● Summary > SSIDs by Client



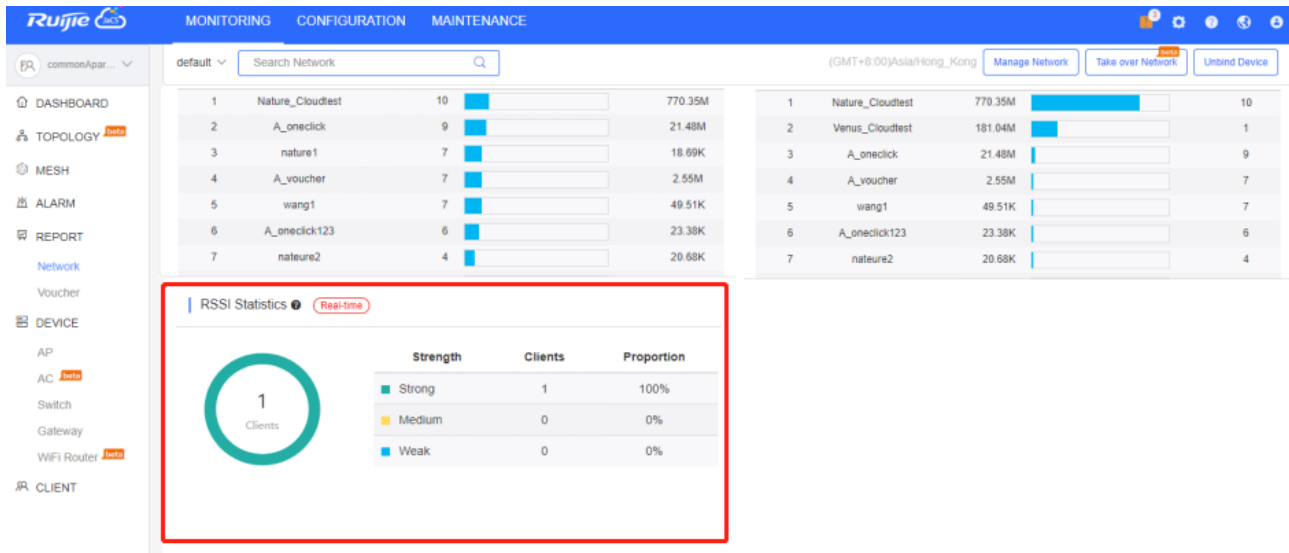
The SSIDs ranked by client number of the selected network during the specific period.

- Summary > SSIDs by Traffic



The SSIDs ranked by traffic of the selected network during the specific period.

- Summary > RSSI Statistics



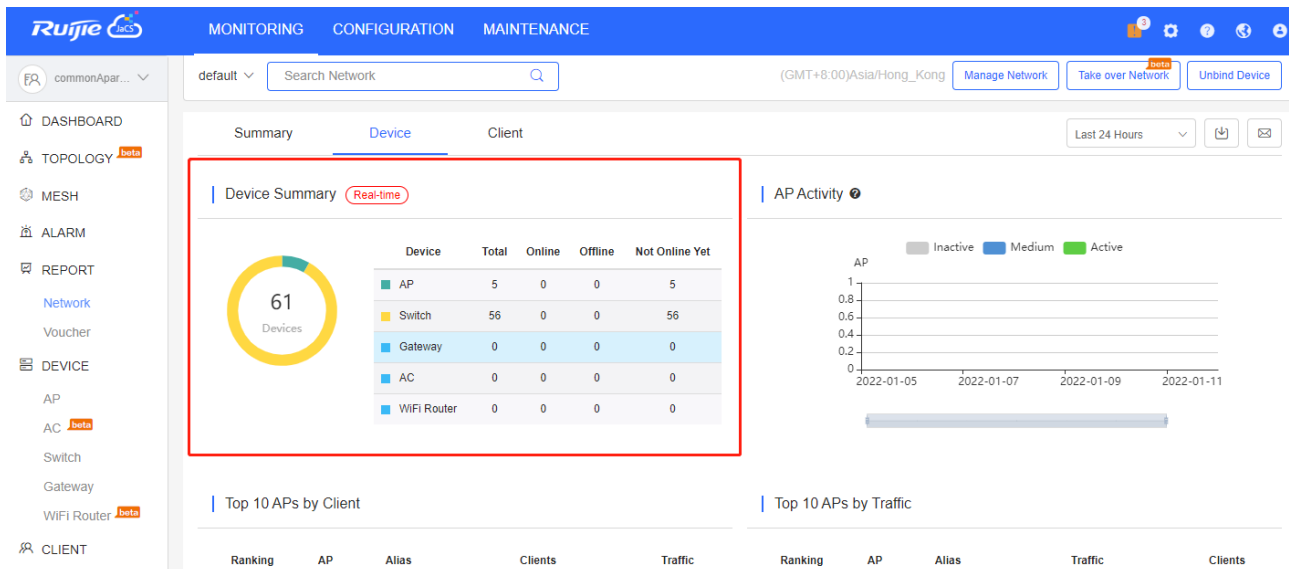
The wireless signal strength of the selected network during the specific period. The signal intensity is defined below:

Weak: $\text{RSSI} \leq -80\text{dB}$

Medium: $-80\text{dB} < \text{RSSI} \leq -70\text{dB}$

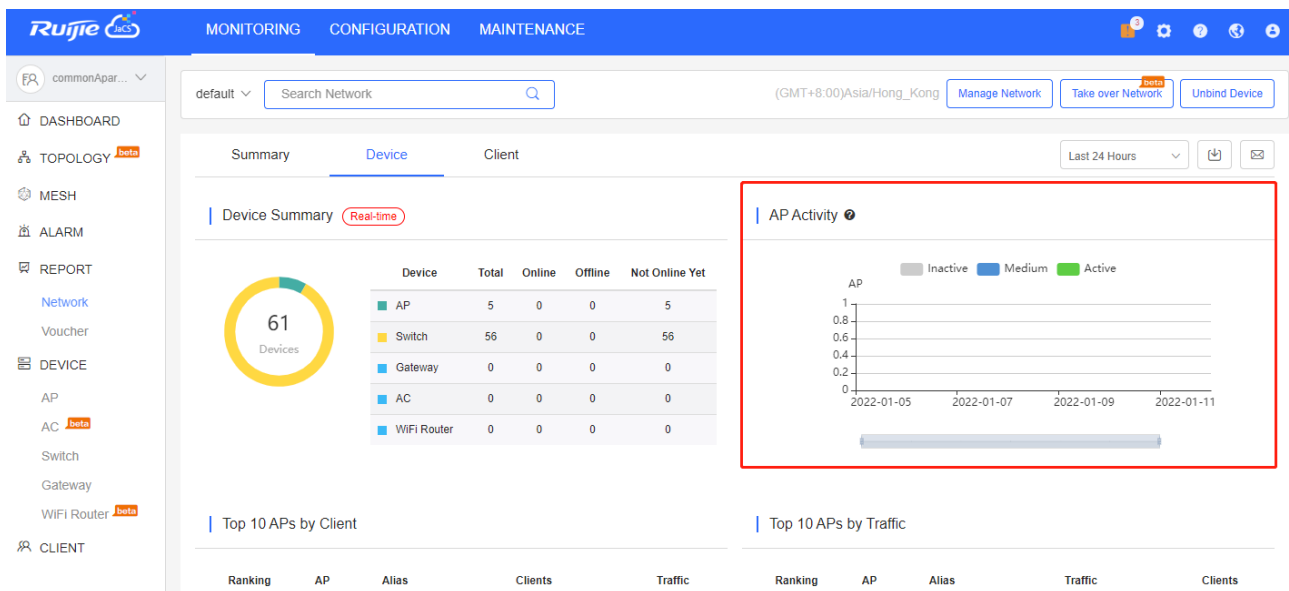
Strong: $\text{RSSI} > -70\text{dB}$

● Device > Device Summary



The online status of devices of the selected network during the specific period.

● Device > AP Activity



The AP activity of the selected network during the specific period. The chart does not support searching data in the last 24 hours.

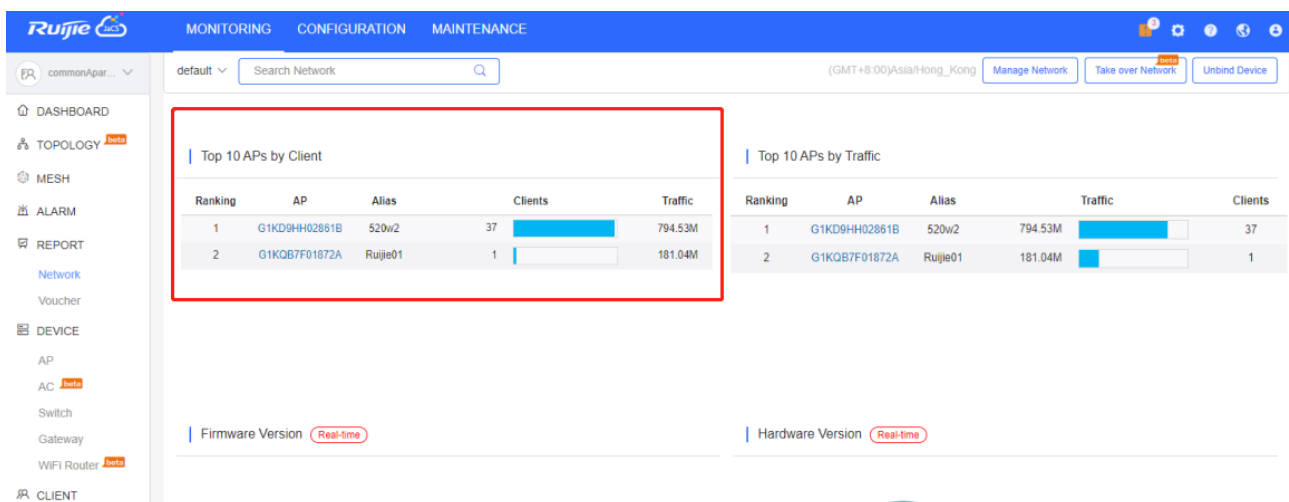
AP activity is evaluated based on the number of active clients accessing the AP in a day. APs not associated with any clients are not calculated.

Inactive: <5 active clients

Medium: 5-9 active clients

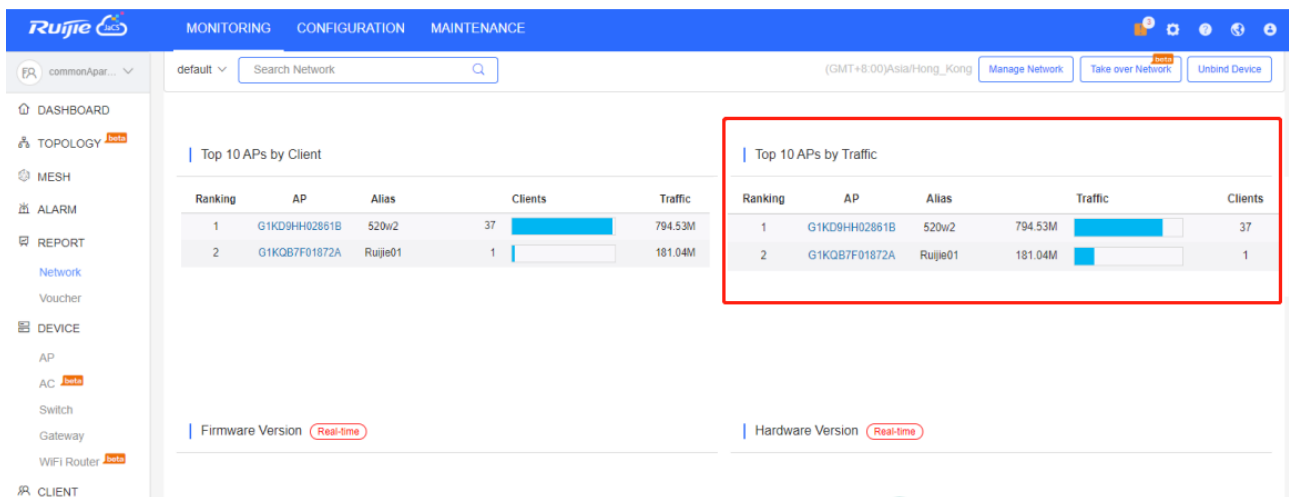
Active: ≥10 active clients.

● Device > Top 10 APs by Client



The top 10 APs ranked by client number of the selected network during the specific period.

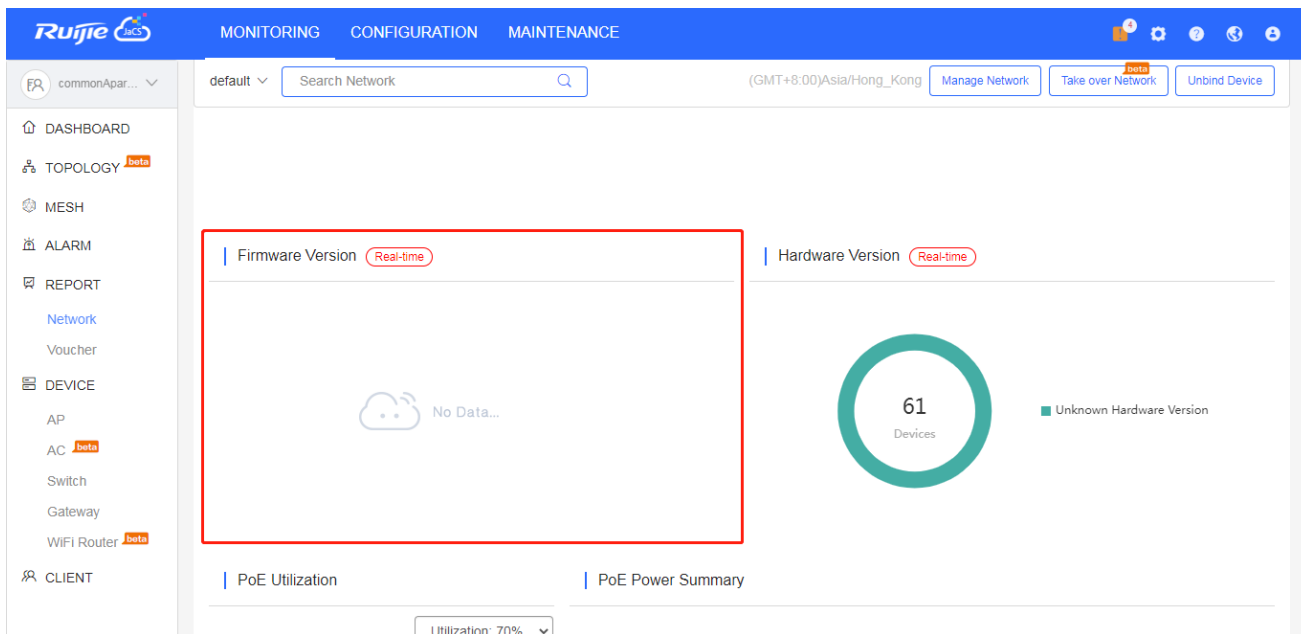
● Device > Top 10 APs by Traffic



The top 10 APs ranked by traffic of the selected network during the specific period.

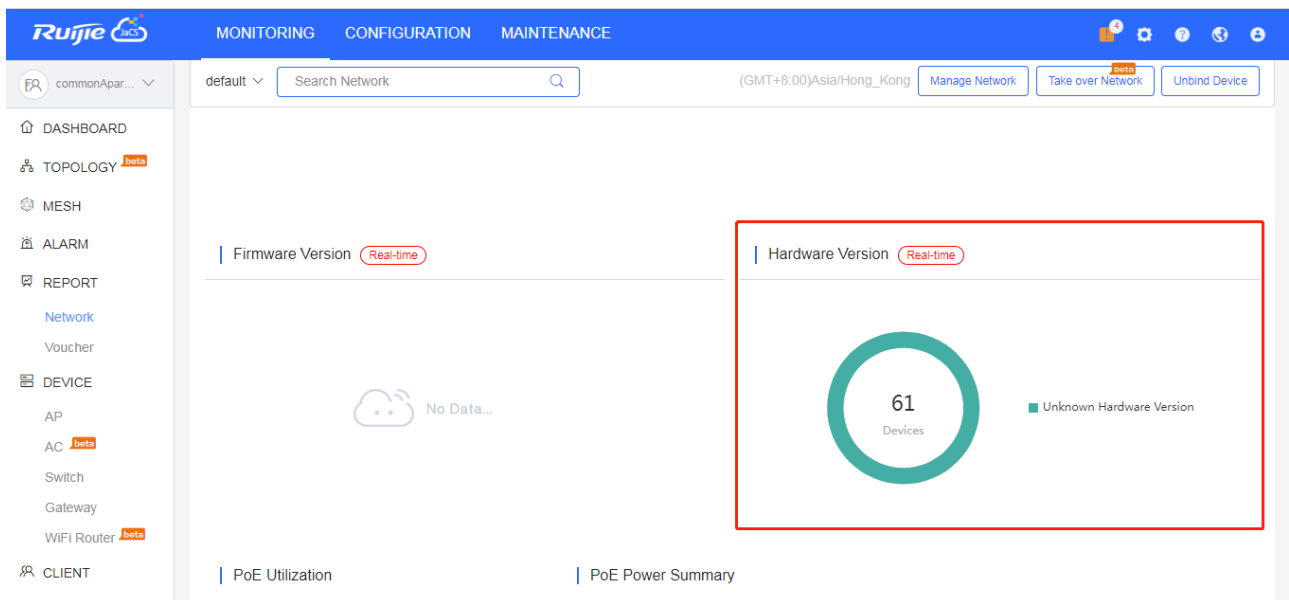
● Device > Firmware Version

The proportion of firmware versions of the selected network during the specific period.



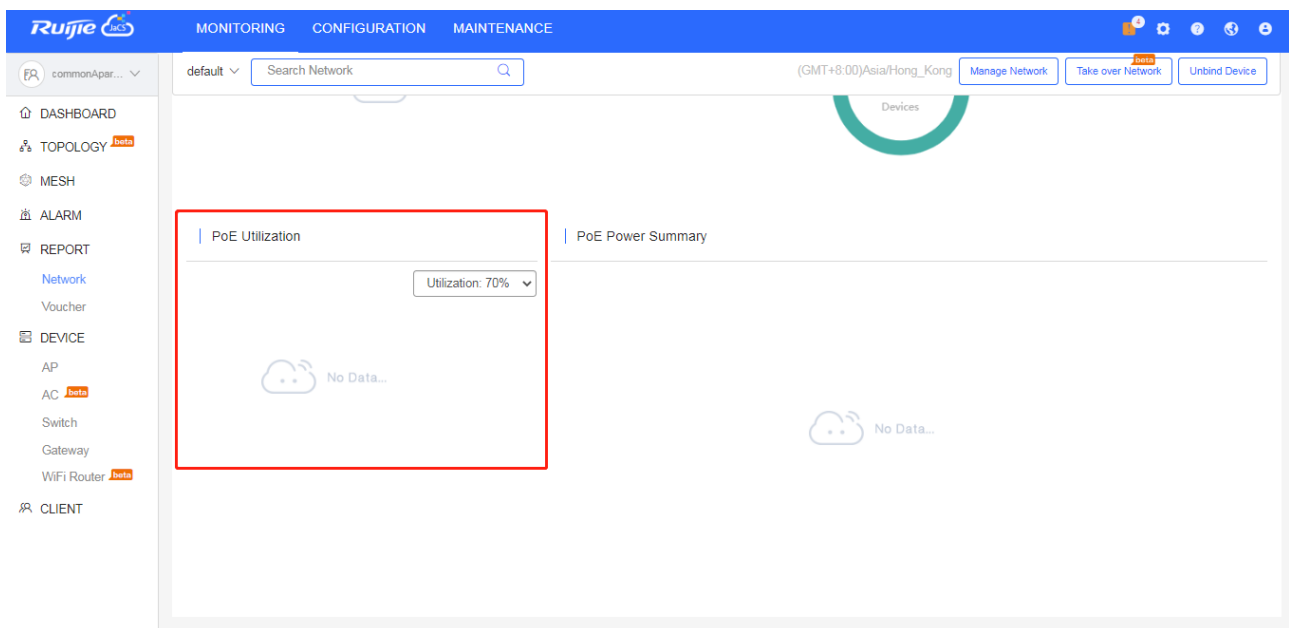
● Device > Hardware Version

The proportion of hardware versions of the selected network during the specific period.



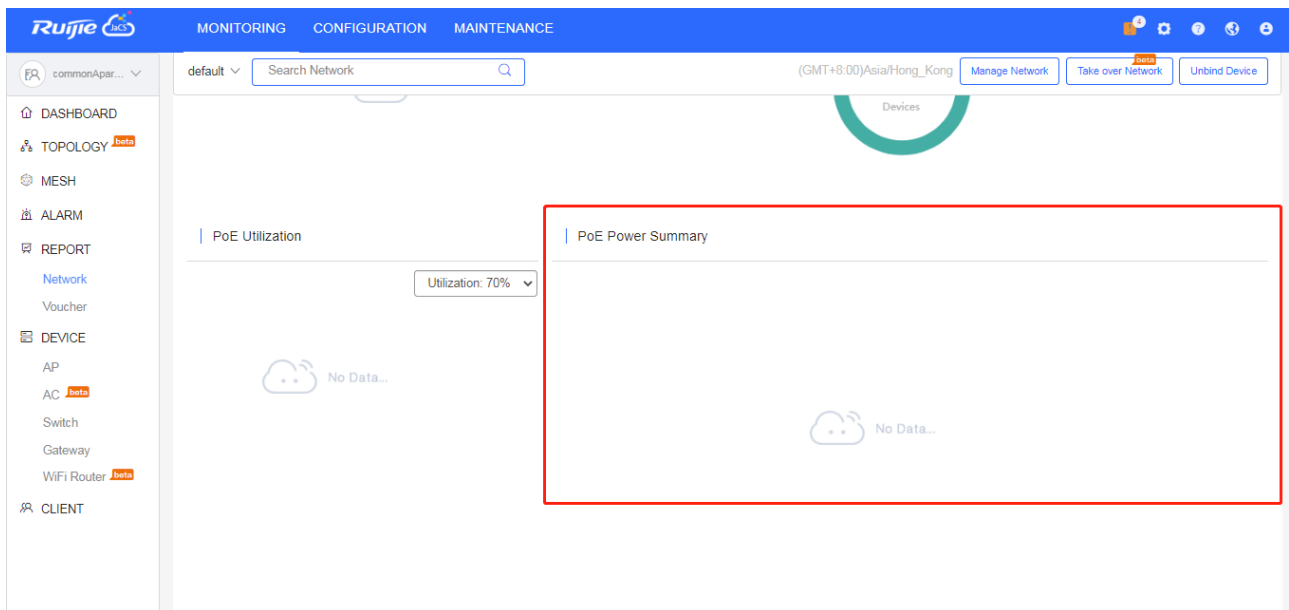
- Device > PoE Utilization

The numbers of PoE switches above and below the selected utilization percentage.

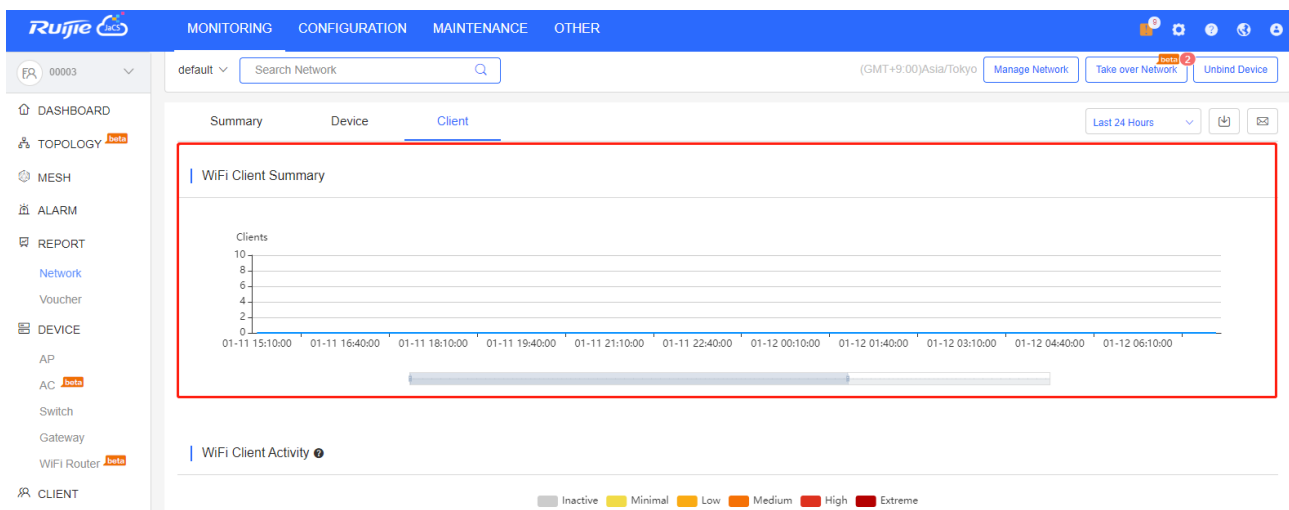


- Device > PoE Power Summary

The power summary of the entire PoE device, including the total power and used power.

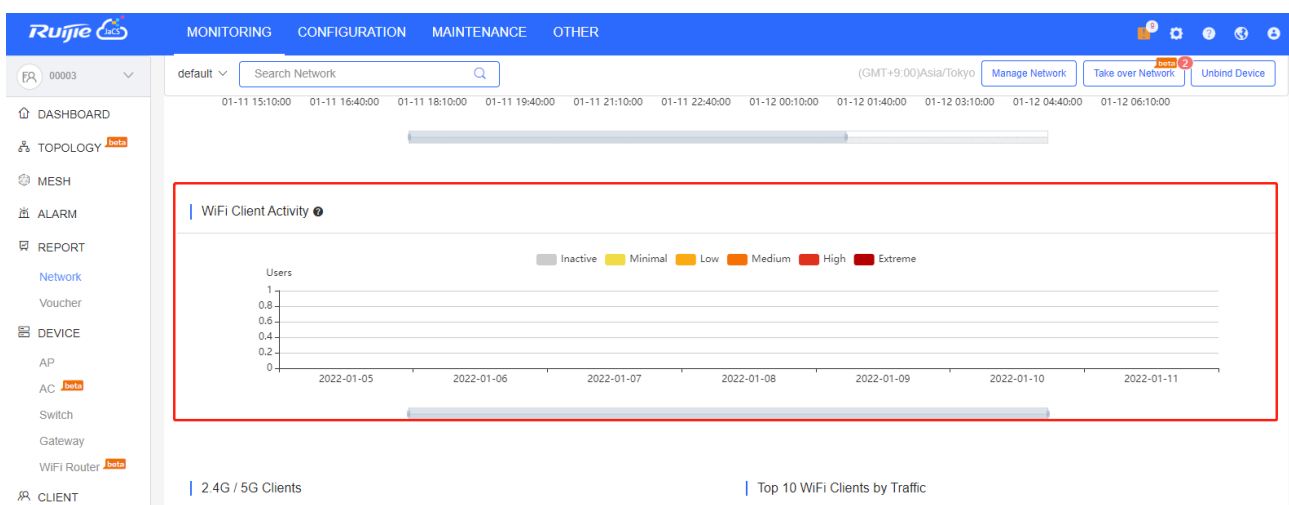


● Client > WiFi Client Summary



The client summary of the selected network during the specific period.

● Client > WiFi Client Activity



The client activity of the selected network during the specific period. The chart does not support searching data in the last 24 hours.

Client activity is evaluated based on online duration and traffic volume (from highest to lowest):

Inactive: $\leq 100\text{KB}$ traffic

Minimal: Any time and 100KB traffic

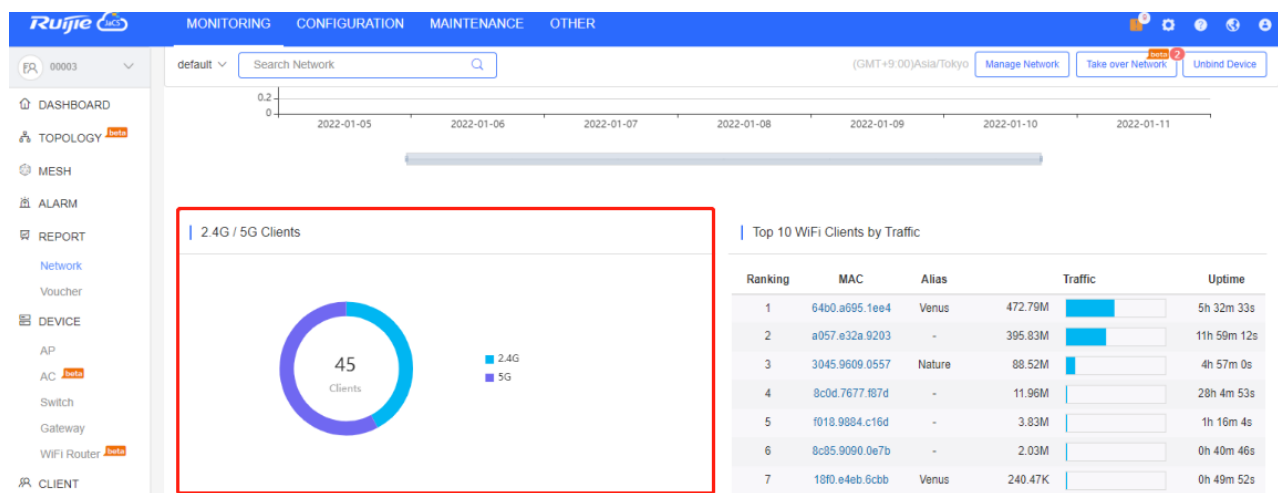
Low: 1h/d and 500K traffic

Medium: 2h/d time and 2M traffic

High: 4h/d time and 5MB traffic

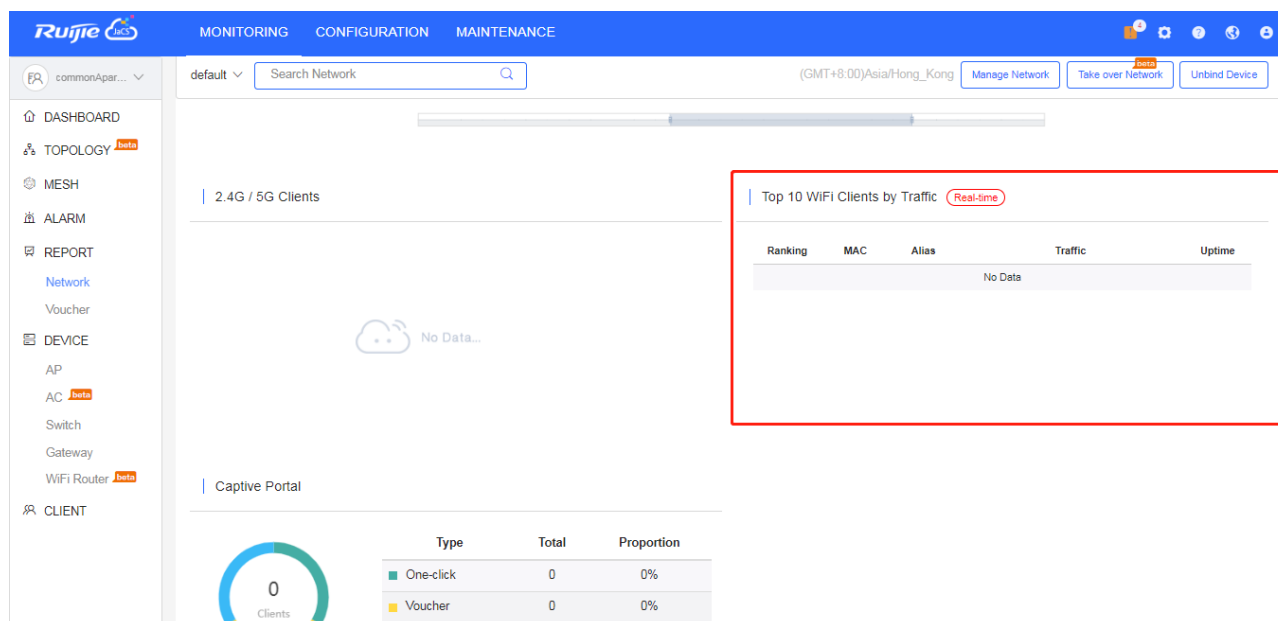
Extreme: 8h/d time and 10MB traffic

● Client > 2.4G / 5G Clients



The proportion of STAs using 2.4G/5G of the selected network during the specific period.

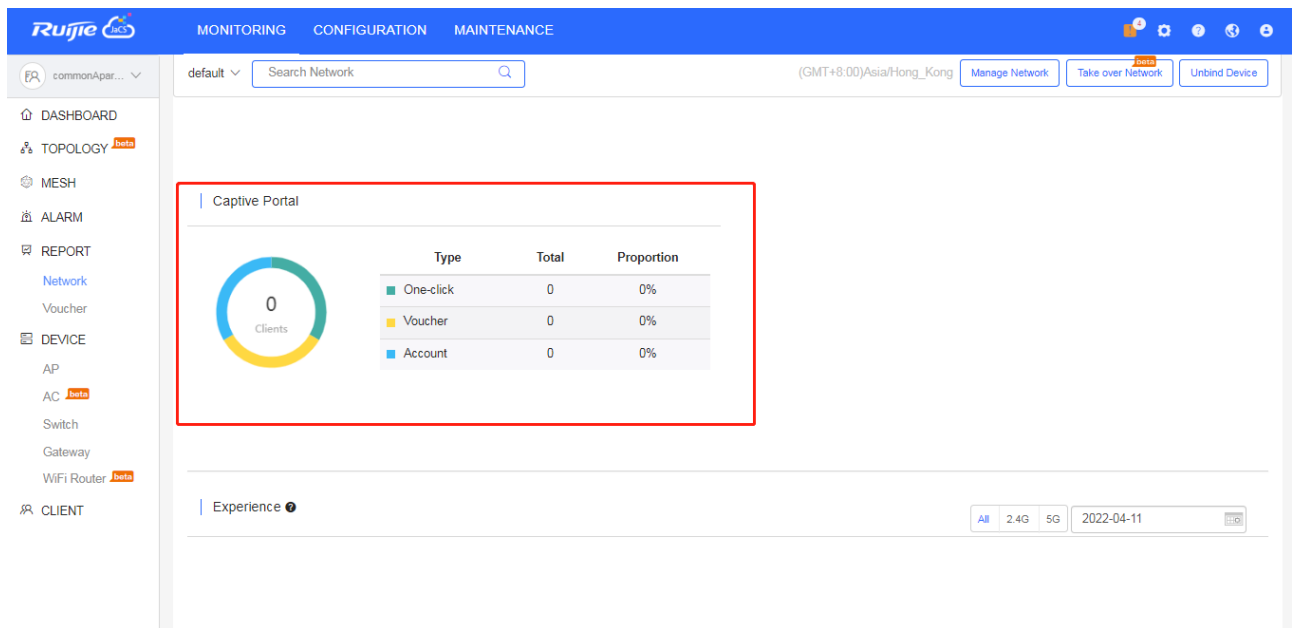
● Client > Top 10 WiFi Clients by Traffic



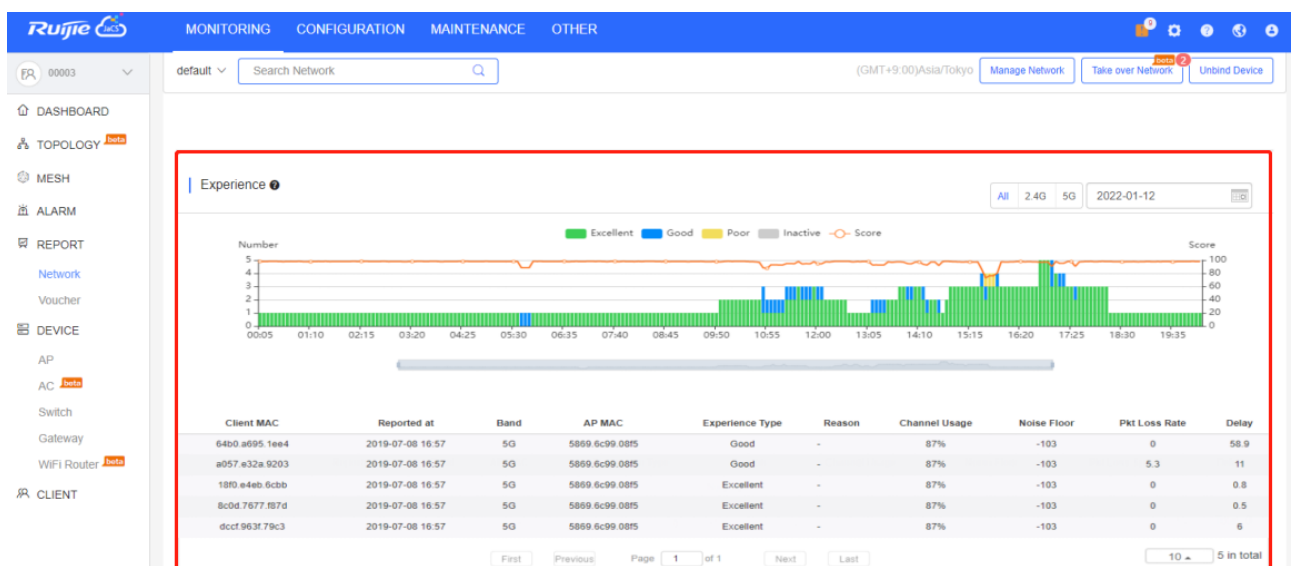
The top 10 clients ranked by traffic of the selected network during the specific period.

● Client > Captive Portal

The numbers and proportions of different portal authentication methods in the network. The statistics are refreshed every hour. Now 3 authentication methods (One-click, Voucher and Account) are supported.



Client > Experience



The experience status during the specified time and collects data every 5 minutes. You can switch between 2.4GHz and 5 GHz.

Client information: Click an indicator bar to display more information.

Excellent: HDV and online game are available.

Good: communication application, Web page and VoIP are available.

Poor: go offline frequently or hard to go online.

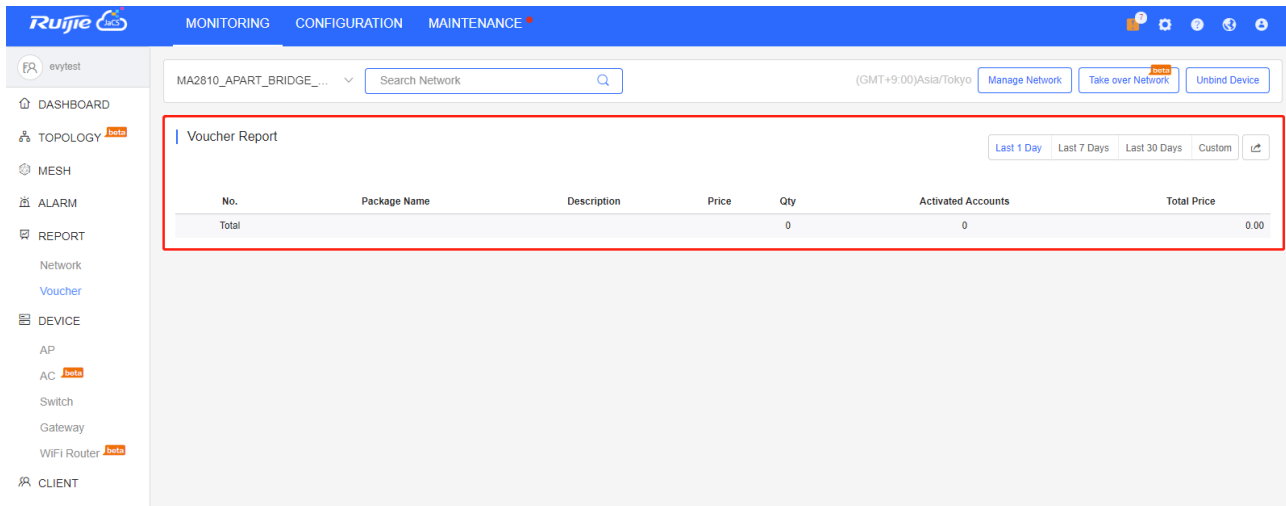
Inactive: check whether a client is inactive according to the traffic and power usage.

Score: Take the parameters of client delay, client packet loss, signal strength and so on as the reference, and then use the SVM algorithm to get the score.

5.5.2 Voucher

The **Voucher Report** records the sales of voucher during the specified period.

Click  to export the **Voucher Report** in PDF format.



Item	Description
Qty	Number of vouchers generated by each package in the specified period.
Activated Accounts	Number of vouchers activated by each package in the specified period.
Total Price	Total price of vouchers activated by each package in the specified period.
Total	Number of vouchers generated by all packages, number of vouchers activated by all packages and total amount of vouchers activated by all packages.

5.6 Device

Choose **MONITORING > DEVICE** to display the **Devices** page, and select a network on the top to filter devices.

5.6.1 AP

5.6.1.1 AP List

Non-apartment Scenario

The **AP List** displays basic device information, including online/offline status, SN, configuration status, MAC, alias, management IP, Egress IP, client quantity, network, firmware version, offline time, model and description.

AP List

Auto Refresh: ☒

Add Web CLI More 0 Selected

SN, Alias, Description

Online Status	SN	Config Status	MAC	Alias	MGMT IP	Egress IP	Initialized Clients	Network	Firmware Version	Last Seen On	Model	Description
<input checked="" type="checkbox"/> Not Online Yet	1234942570000	Not Synchronized		Empty		No	-	BACK-JAPAN_HOTEL_2000000000000001_無無無無無...		-		
<input checked="" type="checkbox"/> Not Online Yet	G1PD7PW000000	Not Synchronized		Empty		No	-	BACK-JAPAN_HOTEL_2000000000000001_無無無無無...		-		

First Previous Page 1 of 1 Next Last 10 Total: 2

Apartment Scenario

The **AP List** displays basic device information, including the online/offline status, SN, configuration status, MAC, alias, management IP, Egress IP, client number, network, firmware version, offline time, model, building name, room, remark and description.

AP List

Auto Refresh: ☒

Add Web CLI eWeb More 0 Selected

SN, Room, Building Name, Remark

Online Status	SN	Alias	Config Status	Network	Room	Building Name	Remark	MAC	MGMT IP	Egress IP	Initialized Clients	Firm
<input checked="" type="checkbox"/> Online	1234942571995	Empty	Synchronized	Apartment	-	-	-	00d0.f019.9312	172.20.93.38	172.20.93.38	Yes	AP_RG
<input checked="" type="checkbox"/> Offline	G1PD1PX000017	MA2810	Not Synchronized	Apartment	-	-	-	300d.9ec5.1b6b	172.18.23.198	218.106.154.153	No	AP_RGOS 11.9(4
<input checked="" type="checkbox"/> Offline	G1PHA6W02310B	Empty	Synchronized	Apartment	-	-	-	c0b8.e609.eb34	192.168.21.137	192.168.21.137	No	AP_RG
<input checked="" type="checkbox"/> Offline	GN12345678901	AP850	Not Synchronized	Apartment	-	-	-	0082.0019.9120	3.3.5.4	58.22.30.3	No	AP_RG
<input checked="" type="checkbox"/> Not Online Yet	123123	こと無し	Not Synchronized	Apartment	-	-	-				No	-
<input checked="" type="checkbox"/> Not Online Yet	12313123123	12312312	Not Synchronized	Apartment	-	-	-				No	-
<input checked="" type="checkbox"/> Not Online Yet	1234942570359CLB	clb	Not Synchronized	Apartment	-	-	-				No	-
<input checked="" type="checkbox"/> Not Online Yet	1234942570360	Empty	Not Synchronized	Apartment	-	-	-				No	-
<input checked="" type="checkbox"/> Not Online Yet	AAAAAAA	8	Not Synchronized	Apartment	-	-	-				No	-
<input checked="" type="checkbox"/> Not Online Yet	DAVIDTEST123456	Empty	Not Synchronized	Apartment	-	-	-				No	-

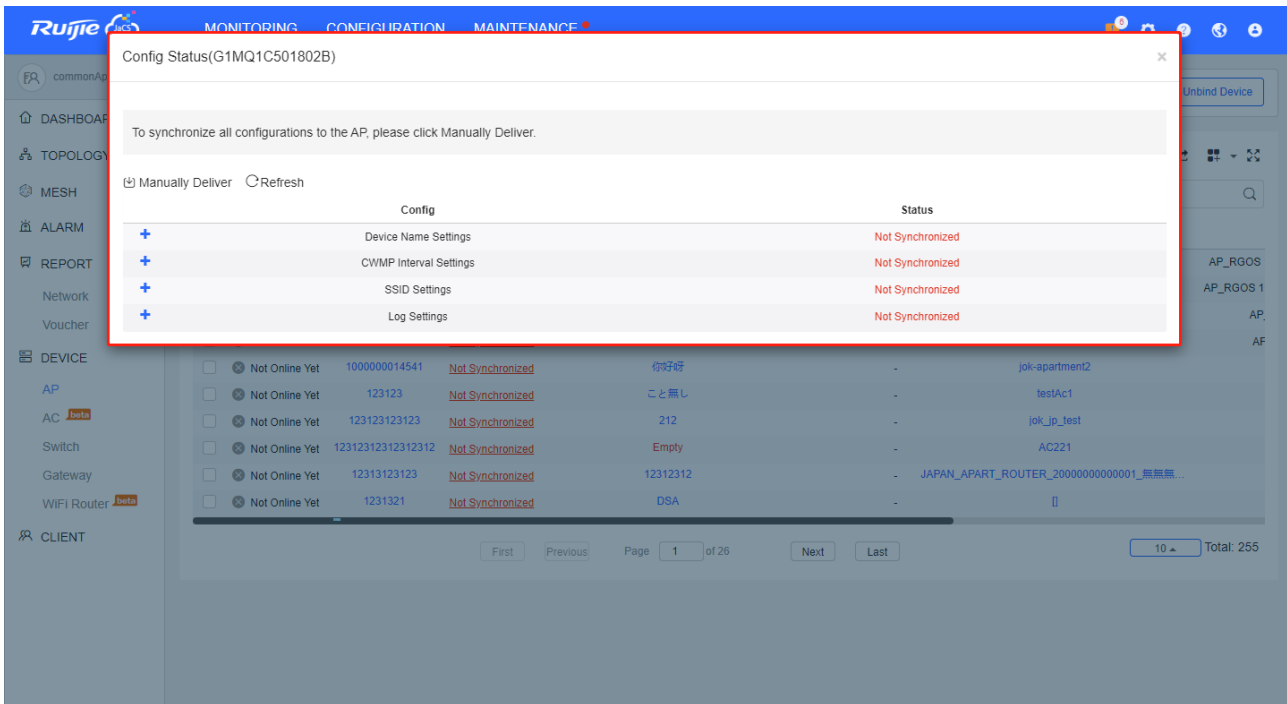
First Previous Page 1 of 2 Next Last 10 Total: 13

The **AP List** automatically refreshes every minute. Click **Auto Refresh:** ☒ to enable/disable the auto refresh function.

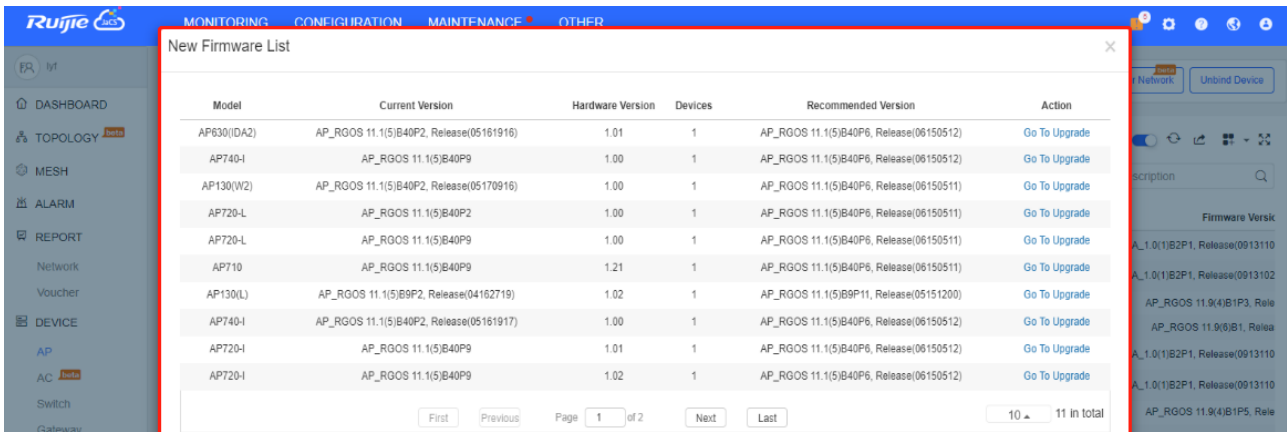
Above the list is the **Add AP**, **Web CLI** and **eWeb** functions. Click **More** to display the **Move to**, **Delete**, and **Reboot** functions. For more information, refer to **Basic AP Operations**.

In non-apartment scenario, the **Search** function supports fuzzy queries based on the serial number, alias and description, while in apartment scenario, it supports queries based on the serial number, room, building name and remark. It also supports queries based on online/offline status and configuration status in both scenarios.

Click the record in the **Config Status** column to open the **Config Status** page. On this page, you can deliver one or all configurations.



The number of devices which have available firmware for upgrade is displayed on the upper-left corner of the **AP List** page. Click **New Firmware** to display the **New Firmware List**. Then click **Go To Upgrade** to enter the **MAINTENANCE > UPGRADE > Upgrade** page.



For more information, refer to **Device Details**.

If an initial configuration template has been applied to the device, **Yes** will be shown in the initialized column.

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, and DEVICE. The main area displays the 'AP List' table. The table has columns: Online Status, SN, Config Status, MAC, Alias, MGMT IP, Egress IP, Initialized, Clients, Network, Firmware Version, Last Seen On, Model, and Description Action. The 'Initialized' column is highlighted with a red box. The table shows 27 rows of data, with the first row being 'Online' and 'Initialized'.

Online Status	SN	Config Status	MAC	Alias	MGMT IP	Egress IP	Initialized	Clients	Network	Firmware Version	Last Seen On	Model	Description Action
Online	1234942571995	Synchronized	0000 0119 9312	Empty	172.20.93.38	172.20.93.38	Yes	-	Apartment / Subapartment	AP_RGOS 11.9(4)B1P6	-	AP180-PE	Empty
Offline	1234942570359	Synchronized	0624 4862 0371	Empty	172.20.93.30	172.20.93.30	Yes	-	yao	AP_RGOS 11.10(9)B1P15, Release(06192218)	2022-09-30 22:54:07	AP728-L	Empty
Offline	G1PD1FX000017	Not Synchronized	3004 9ec5 1b6b	MA2810	172.16.23.198	218.106.154.153	No	-	Apartment	AP_RGOS 11.9(4)B1P3, Release(07211112)	2021-03-19 09:20:07	AP180(UA)	Empty
Offline	G1PHA6W023108	Synchronized	c0b8 e609 eb34	Empty	192.168.21.137	192.168.21.137	No	-	Apartment	AP_RGOS 11.9(6)W1B1	2022-06-10 18:25:07	AP820-L(V2)	Empty
Offline	QN12345678901	Not Synchronized	0082 0019 9120	AP850	3.3.5.4	58.22.30.3	No	-	Apartment	AP_RGOS 11.9(6)B1P6	2021-06-10 01:21:07	AP850-L(V2)	Empty
Not Online Yet	1000000014541	Not Synchronized		你呀呀			No	-	Apartment				Empty
Not Online Yet	123123	Not Synchronized		こと無し			No	-	Apartment				Empty
Not Online Yet	12313123123	Not Synchronized		12312312			No	-	Apartment				Empty
Not Online Yet	1231456	Not Synchronized		Empty			No	-	Testhotel				Empty
Not Online Yet	123455667	Not Synchronized		111			No	-	Testhotel				Empty

5.6.1.2 Device Details

Click the serial number in the AP list to open the details page for a single device. The page includes AP Info, Overview, Configuration, Diagnosis, Back up and Device Log.

● AP Info

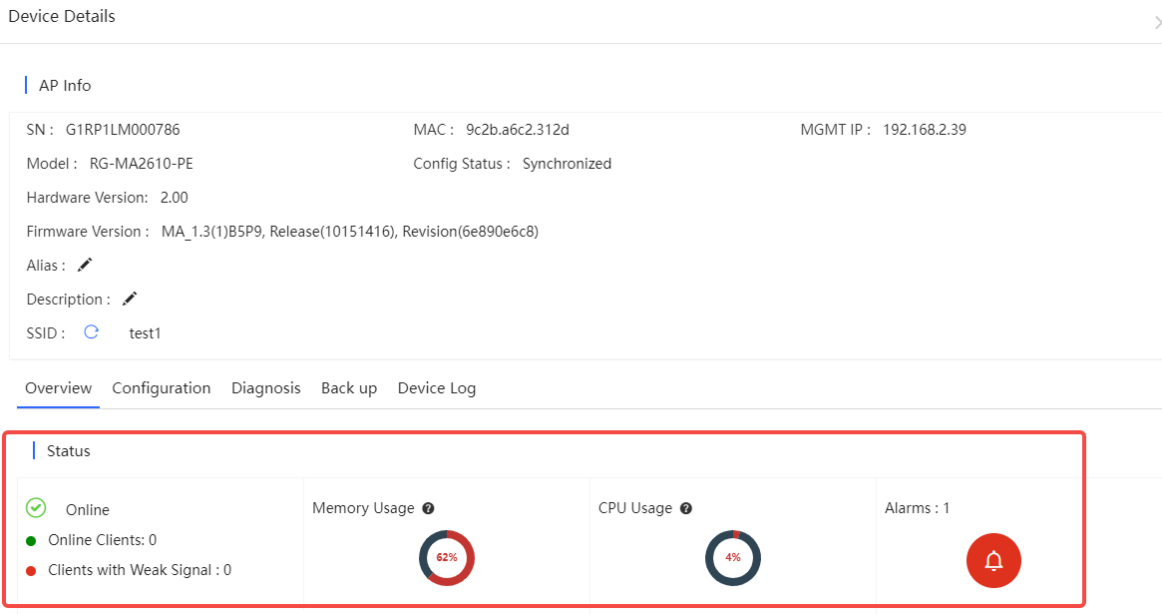
The basic information includes serial number, MAC address, management IP address, device model, configuration status, firmware version, hardware version, alias, and description.

The screenshot shows the 'Device Details' page for a specific AP. The page is divided into several sections: AP Info, Overview, Configuration, Diagnosis, Back up, and Device Log. The 'AP Info' section displays the following information: SN: G1RPLM000786, MAC: 9c2b.a6c2.312d, MGMT IP: 192.168.2.39, Model: RG-MA2610-PE, Config Status: Synchronized, Hardware Version: 2.00, Firmware Version: MA_1.3(1)B5P9, Release(10151416), Revision(6e890e6c8), Alias: , Description: , and SSID: test1. The 'Overview' section shows the device status as 'Online', with 'Online Clients: 0' and 'Clients with Weak Signal: 0'. It also displays 'Memory Usage' at 62%, 'CPU Usage' at 4%, and 'Alarms: 1'. The 'Connectivity' section shows the device is online and has a signal strength of 100%.

● Overview

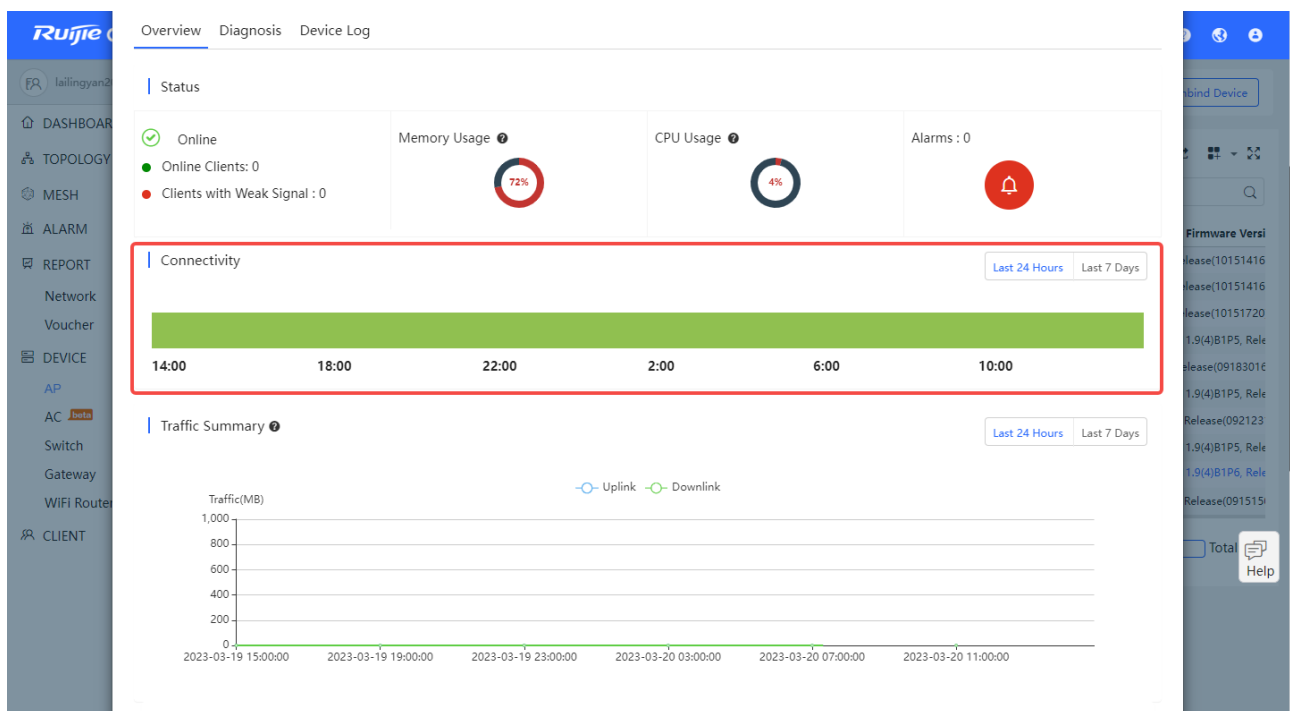
(1) Status

The performance data includes the AP connection status, online client count, CPU usage, and memory usage.



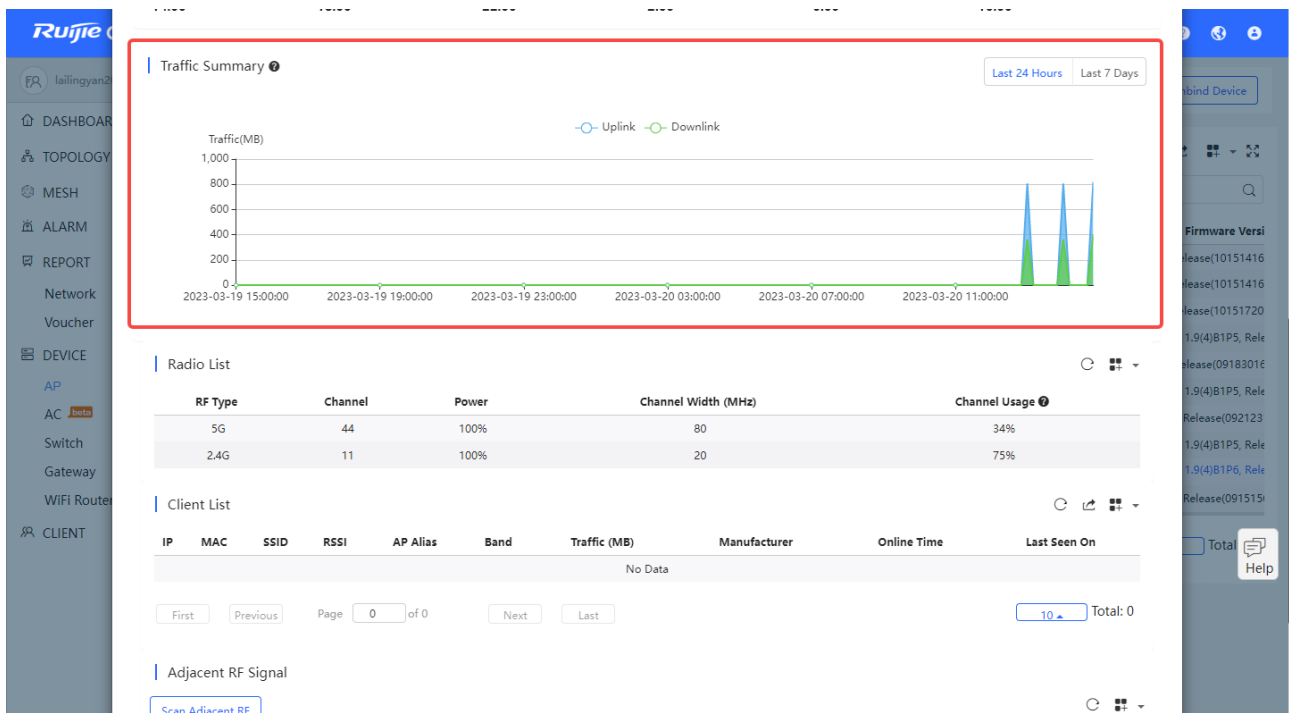
(2) Connectivity

AP connectivity refers to the connectivity (online status) between AP and Cloud Service within a period (1 day or 7 days).



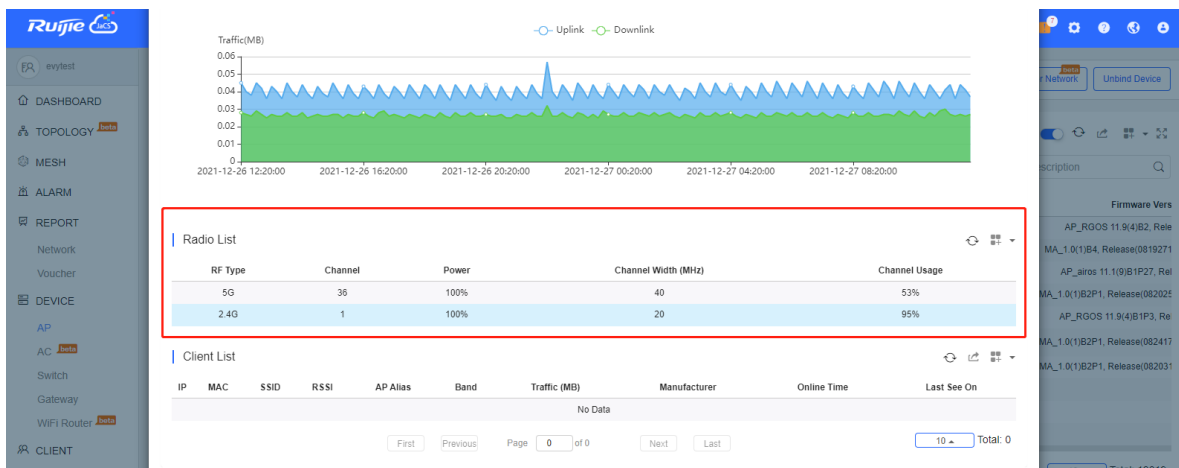
(3) Traffic Summary

You can select to view the AP traffic statistics in the last 24 hours or the last 1 week



(4) Radio List

The **Radio List** page displays the RF information, including the RF type, current channel, power (percentage), channel bandwidth, channel usage.



(5) Client List

The client list displays information about clients currently associated with the APs, including the IP address, MAC address, SSID, RSSI, traffic, online/offline status, terminal type and so on.

Radio List

RF Type	Channel	Power	Channel Width (MHz)	Channel Usage
5G	116	100%	80	50%
2.4G	2	100%	20	39%

Client List

IP	MAC	SSID	RSSI	AP Alias	Band	Traffic (MB)	Manufacturer	Online Time	Last Seen On
192.168.110.108	6E28.64D5.3E08	Eweb_61A22	-35	-	5G	5.274	-	2022-01-12 11:39:43	-

Adjacent RF Signal

Start Time: 2021-10-26 12:13:11 End Time: 2021-10-26 12:29:49 Status: Complete

BSSID	Radio	Adjacent SSID	Adjacent Channel	RSSI	Adjacent SN	Adjacent MAC	Uploaded at
6670.ab6b.d687	Radio1(2.4G)	hotel2	4	65	G1QH346044362	c470.ab6b.d682	2021-10-26 12:29:49
020d.9e85.1ab1	Radio1(2.4G)	Eweb_1AAA1	1	59	G1PD7U028229	300d.9e85.1aaa	2021-10-26 12:29:49
d2b8.e67e.d67f	Radio1(2.4G)	myWiFi001	1	58	G1PHB6Y009268	c0b8.e67e.d679	2021-10-26 12:29:49
120d.9e85.1ab2	Radio2(5G)	Eweb_1AAA1	100	57	G1PD7U028229	300d.9e85.1aaa	2021-10-26 12:29:49
7670.ab6b.d688	Radio2(5G)	hotel2	36	57	G1QH346044362	c470.ab6b.d682	2021-10-26 12:29:49

(6) Adjacent RF Signal

The **Adjacent RF Signal** page displays the RF signals (scanned BSSID) emitted by adjacent APs. The **Radio**, **Adjacent Channel**, and **RSSI** in the list are scanned information. If a signal comes from the AP managed by the cloud controller, the adjacent AP SN and adjacent MAC address will be identified and displayed; otherwise, these two items are in an unidentified state.

Adjacent RF Signal

Start Time: 2021-10-26 12:13:11 End Time: 2021-10-26 12:29:49 Status: Complete

BSSID	Radio	Adjacent SSID	Adjacent Channel	RSSI	Adjacent SN	Adjacent MAC	Uploaded at
6670.ab6b.d687	Radio1(2.4G)	hotel2	4	65	G1QH346044362	c470.ab6b.d682	2021-10-26 12:29:49
020d.9e85.1ab1	Radio1(2.4G)	Eweb_1AAA1	1	59	G1PD7U028229	300d.9e85.1aaa	2021-10-26 12:29:49
d2b8.e67e.d67f	Radio1(2.4G)	myWiFi001	1	58	G1PHB6Y009268	c0b8.e67e.d679	2021-10-26 12:29:49
120d.9e85.1ab2	Radio2(5G)	Eweb_1AAA1	100	57	G1PD7U028229	300d.9e85.1aaa	2021-10-26 12:29:49
7670.ab6b.d688	Radio2(5G)	hotel2	36	57	G1QH346044362	c470.ab6b.d682	2021-10-26 12:29:49
e2b8.e67e.d670	Radio2(5G)	myWiFi001	36	55	G1PHB6Y009268	c0b8.e67e.d679	2021-10-26 12:29:49
e2b8.e67e.d67f	Radio2(5G)	myWiFi1	36	55	G1PHB6Y009268	c0b8.e67e.d679	2021-10-26 12:29:49
d2b8.e67e.d67e	Radio1(2.4G)	myWiFi1	1	55	G1PHB6Y009268	c0b8.e67e.d679	2021-10-26 12:29:49
0624.4862.0374	Radio2(5G)	hotel	36	29	1234942570359	0624.4862.0371	2021-10-26 12:29:49
0a24.4862.0374	Radio2(5G)	test	36	29	1234942570359	0624.4862.0371	2021-10-26 12:29:49

You can trigger APs to scan adjacent RF signals, and identified and unidentified RF signals can be observed. There are two known scenarios:

- Testing the number and strength of RF signals emitted by neighboring APs that are not managed by the system to predict a degree of RF interference.
- Identifying RF signals emitted by neighboring APs managed by the system to diagnose the RF functions and powered-on status of neighboring APs.

On the device details page, you can perform adjacent RF scanning and check the scanning result. The following steps describe the method for scanning the adjacent RF signals:

Step 1: Click **Scan Adjacent RF** to trigger an AP to scan adjacent RF signals.

Adjacent RF Signal

Scan Adjacent RF

Start Time: 2021-10-26 12:13:11 End Time: 2021-10-26 12:29:49 Status: Complete

BSSID	Radio	Adjacent SSID	Adjacent Channel	RSSI	Adjacent SN	Adjacent MAC	Uploaded at
6670.ab6b.d687	Radio1(2.4G)	hotel2				c470.ab6b.d682	2021-10-26 12:29:49
020d.9e85.1ab1	Radio1(2.4G)	Eweb_1AAA1				300d.9e85.1aaa	2021-10-26 12:29:49
d2b8.e67e.d67f	Radio1(2.4G)	myWiFi001				c0b8.e67e.d679	2021-10-26 12:29:49
120d.9e85.1ab2	Radio2(5G)	Eweb_1AAA1				300d.9e85.1aaa	2021-10-26 12:29:49
7670.ab6b.d688	Radio2(5G)	hotel2				c470.ab6b.d682	2021-10-26 12:29:49
e2b8.e67e.d670	Radio2(5G)	myWiFi001				c0b8.e67e.d679	2021-10-26 12:29:49
e2b8.e67e.d67f	Radio2(5G)	myWiFi				c0b8.e67e.d679	2021-10-26 12:29:49
d2b8.e67e.d67e	Radio1(2.4G)	myWiFi	1	55	G1PHB6Y00926B	c0b8.e67e.d679	2021-10-26 12:29:49
0624.4862.0374	Radio2(5G)	hotel	36	29	1234942570359	0624.4862.0371	2021-10-26 12:29:49
0a24.4862.0374	Radio2(5G)	test	36	29	1234942570359	0624.4862.0371	2021-10-26 12:29:49

Configuration Backup List

Step 2: After the AP is triggered, the trigger time, expected completion time, and status are displayed in the status bar. Then wait for the AP to finish scanning and send the results to the cloud controller.

Adjacent RF Signal

Scan Adjacent RF

Start Time: 2022-04-12 11:45:44 Expected Completion Time: 2022-04-12 12:05:44 Status: Initialization

BSSID	Radio	Adjacent SSID	Adjacent Channel	RSSI	Adjacent SN	Adjacent MAC	Uploaded at
e2b8.e67e.d670	Radio2(5G)	JP_V1.1.3_hotel01	36	18	G1PHB6Y00926B	c0b8.e67e.d679	2021-05-17 23:57:56
e2b8.e67e.d67f	Radio2(5G)	JP_V1.1.3_hotel	36	18	G1PHB6Y00926B	c0b8.e67e.d679	2021-05-17 23:57:56
0224.4862.035c	Radio2(5G)	Eweb_035916	149	13	1234942570353	0624.4862.0359	2021-05-17 23:57:56
0624.4862.035c	Radio2(5G)	HOTEL_720_123456wiedwiefbeefcefe	149	12	1234942570353	0624.4862.0359	2021-05-17 23:57:56
2224.4862.035c	Radio2(5G)	Eweb_03598	149	12	1234942570353	0624.4862.0359	2021-05-17 23:57:56
3e24.4862.035c	Radio2(5G)	Eweb_035915	149	12	1234942570353	0624.4862.0359	2021-05-17 23:57:56
1a24.4862.035c	Radio2(5G)	Eweb_03596	149	12	1234942570353	0624.4862.0359	2021-05-17 23:57:56
0a24.4862.035c	Radio2(5G)	HOTEL1001WQEWDFWDFWFEFSDDFDFSD	149	12	1234942570353	0624.4862.0359	2021-05-17 23:57:56
1224.4862.035c	Radio2(5G)	Eweb_03594	149	12	1234942570353	0624.4862.0359	2021-05-17 23:57:56
3624.4862.035c	Radio2(5G)	Eweb_035913	149	12	1234942570353	0624.4862.0359	2021-05-17 23:57:56

Configuration Backup List

Step 3: A list of RF signals scanned by the AP is displayed after the scanning. The list supports a filtering function based on the RF type (2.4 GHz/5 GHz).



The system stores the latest scanning results, which overwrites earlier data.



If the adjacent AP SN and MAC address are unidentified, it indicates that the RF source is not managed by the system; otherwise, the RF signal is emitted by an AP.

● Configuration

(1) eWeb Settings

Support to enable and disable the entrance of a device's Web, and to configure the password of the Web admin account.

Device Details

AP Info

SN : G1RP1LM000786

MAC : 9c2b.a6c2.312d

MGMT IP : 192.168.2.39

Model : RG-MA2610-PE

Config Status : Synchronized

Hardware Version: 2.00

Firmware Version : MA_1.3(1)B5P9, Release(10151416), Revision(6e890e6c8)

Alias :

Description :

SSID : test1

Overview

Configuration

Diagnosis

Back up

Device Log

eWeb Settings

eWeb ☒

Password

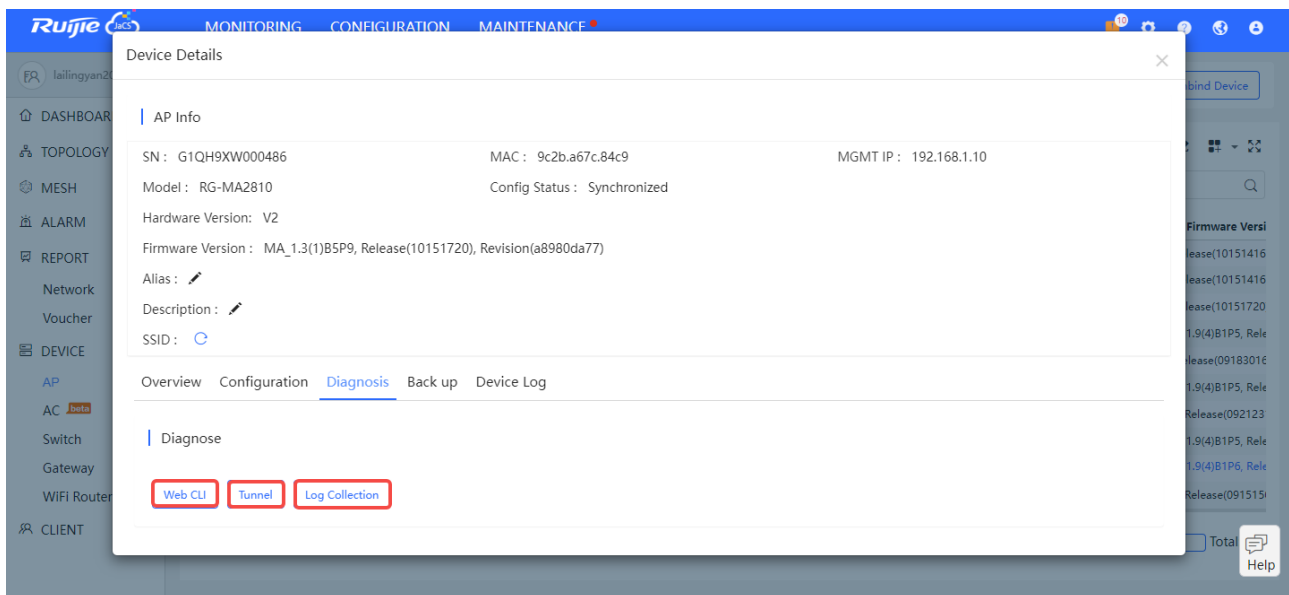
Save

● Diagnose

Click **Web CLI** to open the CLI page of device.

Click **Tunnel** to create different types of tunnels, and check records and more information.

Click **Log collection** to export the logs of the devices. (Log collection is available only for MA series access points.)

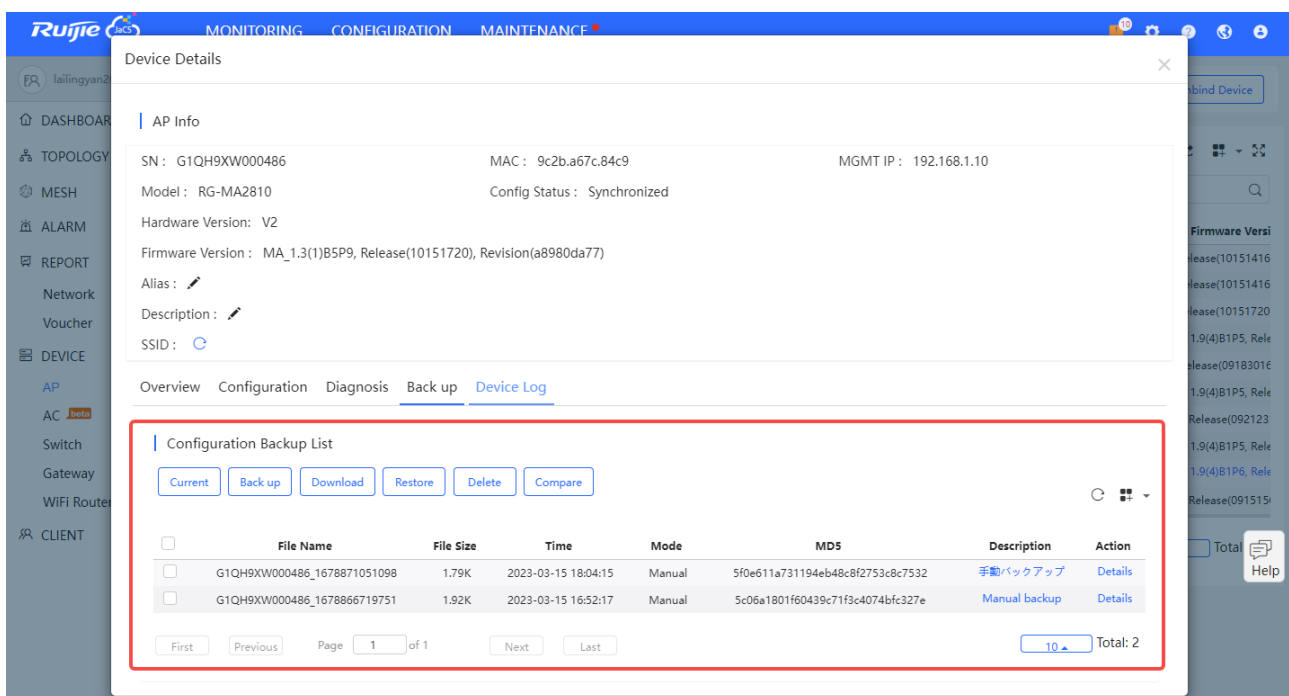


● Back up

(1) Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5.

The function is supported only in the apartment scenario.



Click **Current** to display the current configuration. Click **Backup** in the **Config Details** page to back up the current configuration.

The screenshot shows the Ruijie Cloud interface with the 'Config Details' dialog box open. The dialog contains the following configuration text:

```

rgcall ipv6 dual-stack set enable=yes
rgcall workmode set bridge
rgcall cwmp set url=http://cloudtest-eu.ruijienetworks.com/service/acs/G1QH9XW000486
rgcall cwmp set inform_interval=180
rgcall wps set enable=yes
rgcall web username set 'admin'
rgcall web password set 'admin'
rgcall lan web deny enable=no
rgcall bridge-net set addressstype=dhcp
rgcall ipv6 passthrough set enable=yes
rgcall ntpd set enable=true ntpserver1=ntp.nict.jp timezone=09:00 timezoneName='Tokyo, Osaka, Sapporo' ntpinterval=24
rgcall radio 1 1 set enable=yes auth=wpa2psk key='12345678' hide=no ssid='SSID-7C84C9'
rgcall radio 1 2 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='SSID-7C84C9-Guest'
  
```

A red box highlights the 'Backup' button at the bottom right of the dialog. In the background, the 'Device Details' page shows the 'Configuration Backup List' with a table of backup records.

	File Name	File Size	Time	Mode	MD5	Description	Action
<input checked="" type="checkbox"/>	G1QH9XW000486_1678871051098	1.79K	2023-03-15 18:04:15	Manual	5f0e611a731194eb48c8f2753c8c7532	手動バックアップ	Details
<input type="checkbox"/>	G1QH9XW000486_1678866719751	1.92K	2023-03-15 16:52:17	Manual	5c06a1801f60439c71f3c4074bfc327e	Manual backup	Details

Click **Back up** and then click **OK** in the message box to back up the current configuration.

The screenshot shows the Ruijie Cloud interface with the 'Config Details' dialog box open. A 'Message' confirmation box is overlaid on top of the dialog, asking: "Are you sure you want to back up the current configuration?". The 'OK' button is highlighted with a red box. The background shows the same 'Device Details' page and 'Configuration Backup List' table as the previous screenshot.

Select one record, and click **Download** to download the configuration file.

Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences.

Ruijie

Configuration Backup List

Current Back up Download Restore Delete Compare

🔄 📄 ⌵

<input type="checkbox"/>	File Name	File Size	Time	Mode	MD5	Description	Action
<input checked="" type="checkbox"/>	G1PHB6Y00926B_1638820087775	4.75K	2021-12-26 22:16:26	Auto	40ad860c54d24d10ec7ab4c04af035bc	Auto backup	Details
<input checked="" type="checkbox"/>	G1PHB6Y00926B_1638524742810	4.77K	2021-12-26 04:52:11	Auto	a828c6e9e670cc4988ea4630511ef58d69	Auto backup	Details
<input type="checkbox"/>	G1PHB6Y00926B_1638426005317	4.44K	2021-12-02 15:20:05	Auto	0eb531ec7c8048fd1ca88ce4b8754185	Auto backup	Details
<input type="checkbox"/>	G1PHB6Y00926B_1637924590297	4.10K	2021-11-28 21:21:24	Auto	620b8409839c453cfaff72b04c7d1ffc	Auto backup	Details
<input type="checkbox"/>	G1PHB6Y00926B_1637909349053	3.67K	2021-11-26 15:49:09	Manual	21c1f562a6ae9e929abc39b3e1020a3f	Manual backup	Details
<input type="checkbox"/>	G1PHB6Y00926B_1637909344918	3.67K	2021-11-26 15:49:05	Manual	21c1f562a6ae9e929abc39b3e1020a3f	Manual backup	Details
<input type="checkbox"/>	G1PHB6Y00926B_16363047035662	2.96K	2021-11-08 13:50:36	Auto	a15f06a28b9a82a3d370f9dbdc0987f	自動バックアップ	Details

First Previous Page 1 of 1 Next Last

⬆️ Total: 7

[illegible]

Description can be edited. Click **Details** in the **Action** column to check the backup configuration.

AP Info

SN : G1QH9XW000486

MAC : 9c2b.a67c.84c9

MGMT IP : 192.168.1.10

Model : RG-MA2810

Config Status : Synchronized

Hardware Version : V2

Firmware Version : MA_1.3(1)B5P9, Release(10151720), Revision(a8980da77)

Alias :

Description :

SSID :

Overview

Configuration

Diagnosis

Back up

Device Log

Configuration Backup List

Current

Back up

Download

Restore

Delete

Compare

	File Name	File Size	Time	Mode	MD5	
<input checked="" type="checkbox"/>	G1QH9XW000486_1678871051098	1.79K	2023-03-15 18:04:15	Manual	5f0e611a731194eb48	
<input type="checkbox"/>	G1QH9XW000486_1678866719751	1.92K	2023-03-15 16:52:17	Manual	5c06a1801f60439c71f3c4074bfc327e	<div>Manual backup</div> <div>Details</div>

First

Previous

Page 1 of 1

Next

Last

10 Total: 2

- Device Log

The device log records the historical operations, and currently supports the online/offline records, restart records, and upgrade records, and supports queries based on the log type and period.

Hardware Version: V2
Firmware Version: MA_1.3(1)B5P9, Release(10151720), Revision(a8980da77)
Alias:
Description:
SSID:

Overview Configuration Diagnosis Back up Device Log

Device Log

Type	Updated at	Content
Reboot	2023-03-20 14:52:09	Device restart
Upgrade	2023-03-20 14:52:09	Device version from MA_1.3(1)B5P9, Release(10151417), Revision(6e890e6c8) to version MA_1.3(1)B5P9, Release(10151720), Revision(a8980da77)
Reboot	2023-03-17 11:07:23	Device restart
Reboot	2023-03-15 17:59:07	Device First connect to MACC or MACC address change
Online/Offline	2023-03-15 17:59:01	Device online
Online/Offline	2023-03-15 17:40:07	Device offline. The final time when it sends packets to MACC is: 2023-03-15 17:31:07(It is an estimated value. The deviation is 1 minute.)
Reboot	2023-03-15 17:26:17	Device First connect to MACC or MACC address change
Online/Offline	2023-03-15 17:26:11	Device online
Online/Offline	2023-03-15 17:15:07	Device offline. The final time when it sends packets to MACC is: 2023-03-15 17:06:07(It is an estimated value. The deviation is 1 minute.)
Upgrade	2023-03-15 10:40:58	Device version from MA_1.3(1)B5P9, Release(10150810), Revision(b7b9961fd) to version MA_1.3(1)B5P9, Release(10151417), Revision(6e890e6c8)

First Previous Page 1 of 5 Next Last Total: 44

5.6.1.3 Basic AP Operations

● Add AP

Select the network, and click **Add**. Both batch import and manual add are supported.

MONITORING CONFIGURATION MAINTENANCE

ALL > JAPAN_V1.4.1_APART_DISA... Search Network (GMT+9:00)Asia/Tokyo Manage Network Take over Network Unbind Device

AP List

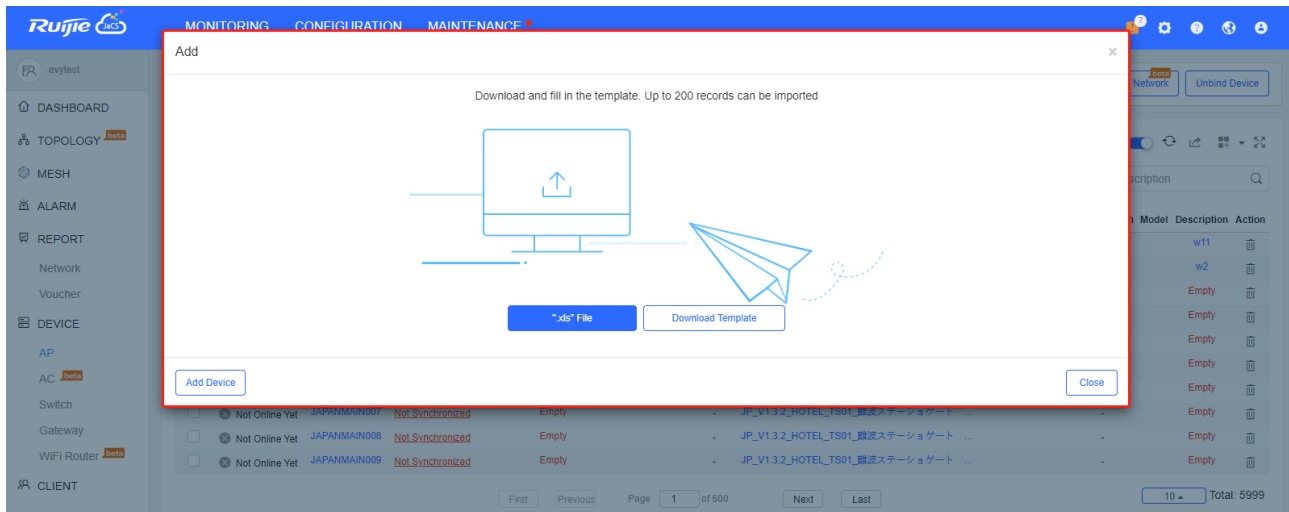
Add Web CLI eWeb More 0 Selected Abnormal MESH Network Note

Online Status	SN	Alias	Config Status	Network	Room/Building Name	Remark	MAC	MGMT IP	Egress IP	Clients	Firmware Version
Online	G1PHB6Y00926B	AP680CD	Synchronized	JAPAN_V1.4.1_APART_DISABLE_SUB1 / JAPAN_V...	-	-	c0b8 e67e d679	192.168.1.3	192.168.21.95	-	AP_RGOS 11.9(4)B2, Release

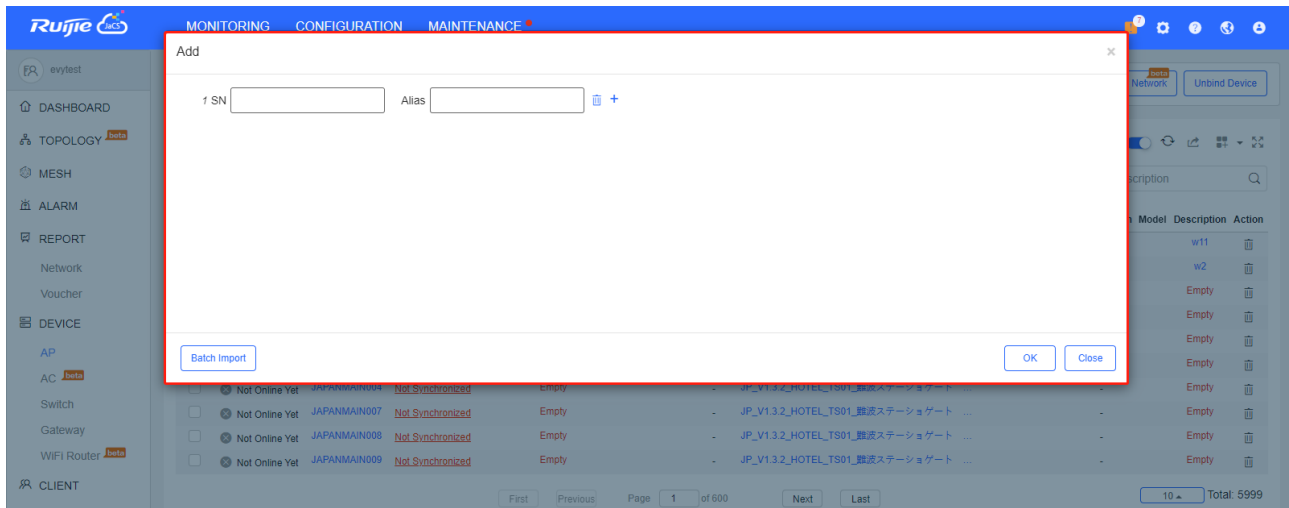
First Previous Page 1 of 1 Next Last Total: 1

Non-apartment Scenario

To batch import APs, click **Download Template** to download the template, enter AP information, and click **File** to import the template.

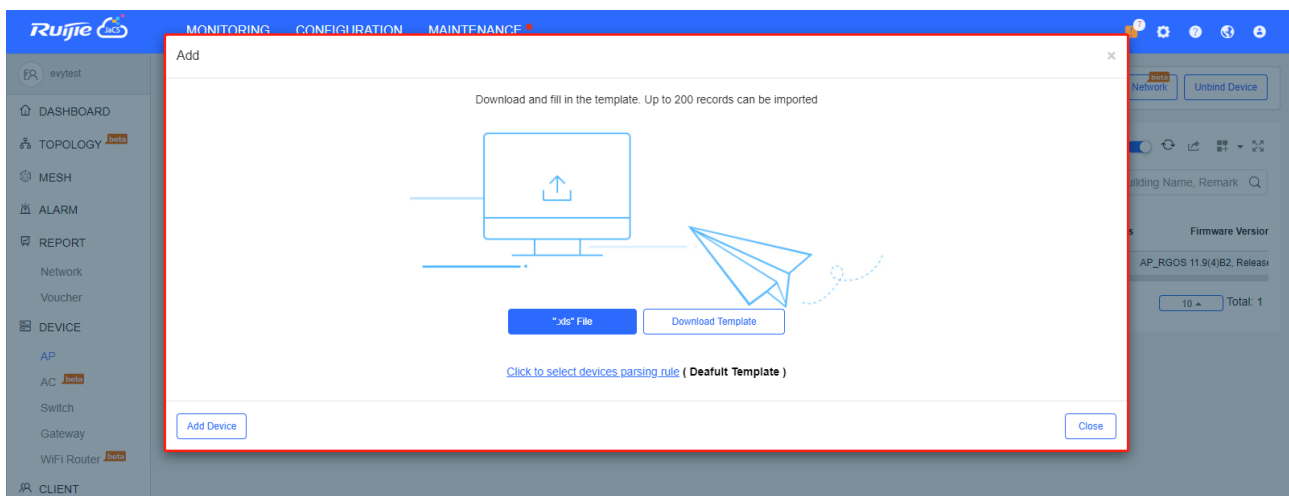


To manually add APs, click **Add a Device**, enter SN and alias of the AP, and click **OK**. Click **+** to add multiple APs.



Apartment Scenario

To batch import APs, click **Download Template** to download the template, enter AP information, and click **‘.xls’ File** to import the template.



Model	SN	MAC	PN	SSID	SSID Password	Alias	Room	Building Name	Remark

Model: device model, **optional**

SN: device serial number, **mandatory**

MAC: device MAC address, **optional**

PN: device part number, **optional**

SSID/SSID Password: support up to 4 SSIDs/SSID passwords, and each SSID and password need to be separated by “,”, **optional**

Alias: device alias, **optional**

Room: the room that installs the device, **optional**

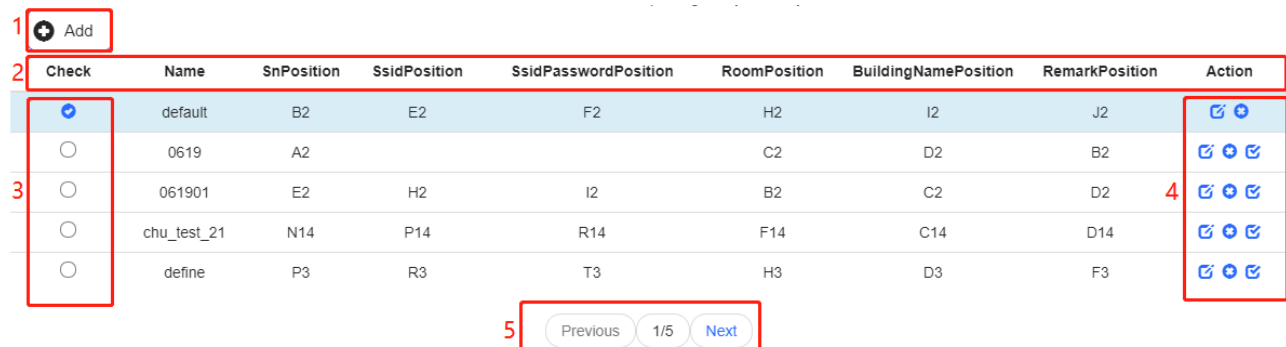
Building Name: the building that installs the device, **optional**

Remark: device remark, **optional**

You can also customize the template in EXCEL file to import devices. In order to parse the EXCEL file correctly, you should first create and specify the parse role.

Step 1: Click **Click to select devices parsing rule**, and a new window pops up.

There will be one default rule.



1. Add button: Add a new rule

2. Check column: Display rule content

3. Radio button: Select a rule

4. Action column: Edit, Delete, Add, and other actions

5. Navigation buttons: Previous, 1/5, Next

Check	Name	SnPosition	SsidPosition	SsidPasswordPosition	RoomPosition	BuildingNamePosition	RemarkPosition	Action
<input checked="" type="radio"/>	default	B2	E2	F2	H2	I2	J2	
<input type="radio"/>	0619	A2			C2	D2	B2	
<input type="radio"/>	061901	E2	H2	I2	B2	C2	D2	
<input type="radio"/>	chu_test_21	N14	P14	R14	F14	C14	D14	
<input type="radio"/>	define	P3	R3	T3	H3	D3	F3	

5. Navigation buttons: Previous, 1/5, Next

1. **Add** button: Add a new rule

2. Menu bar: Display rule content

- **Name:** User defined name
- **snPosition:** Specify the starting position of SN in template
- **ssidPosition:** Specify the starting position of SSID in template
- **ssidPasswordPosition:** Specify the starting position of SSID's password in template
- **roomPosition:** Specify the starting position of room number in template
- **buildingNamePosition:** Specify the starting position of building name in template
- **RemarkPosition:** Specify the starting position of remark in template



If an entry is left empty, it will not be imported when importing the template.

※User can customize the EXCEL parsing rule from columns A to Z and rows 1 to 15.

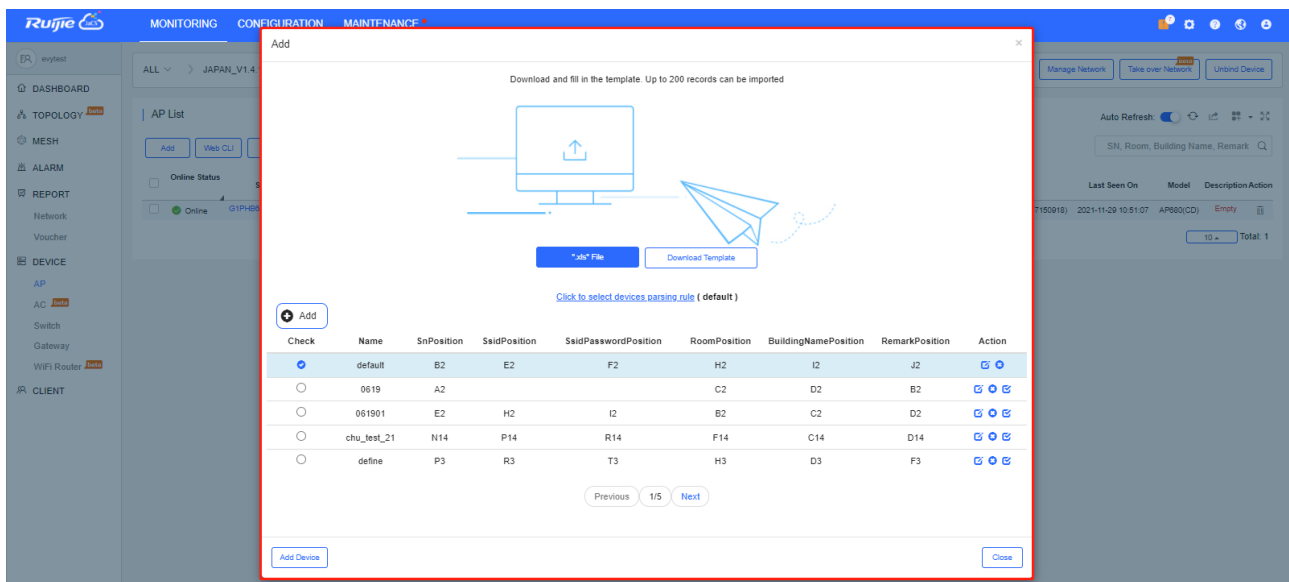
3. Check box: Only one rule can be selected at a time

4. Rule control button:

- : Edit the rule
- : Delete the rule
- : Set the rule as default rule

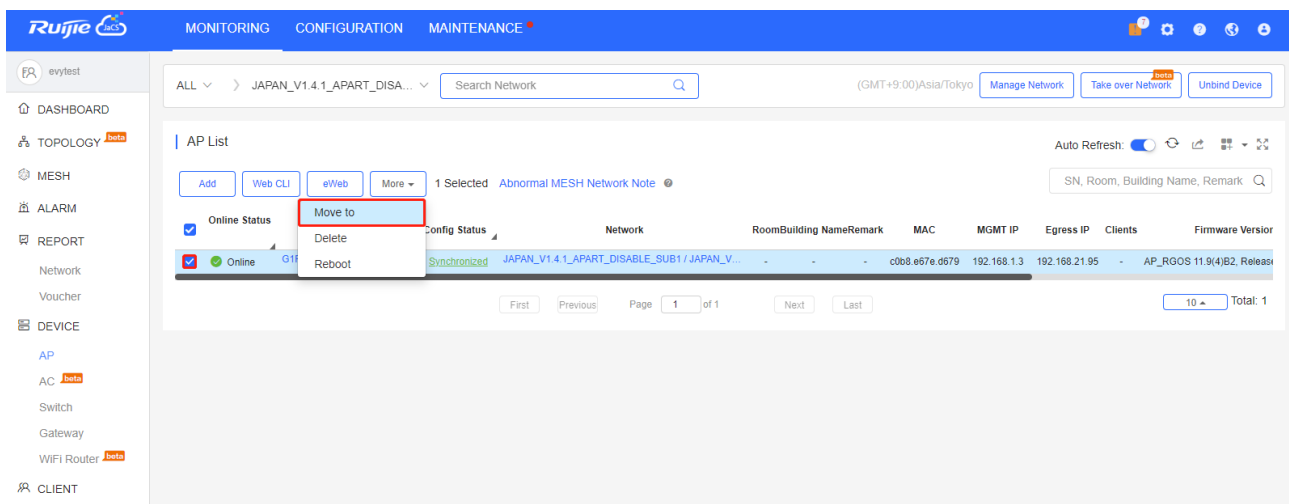
5. Page up and down button

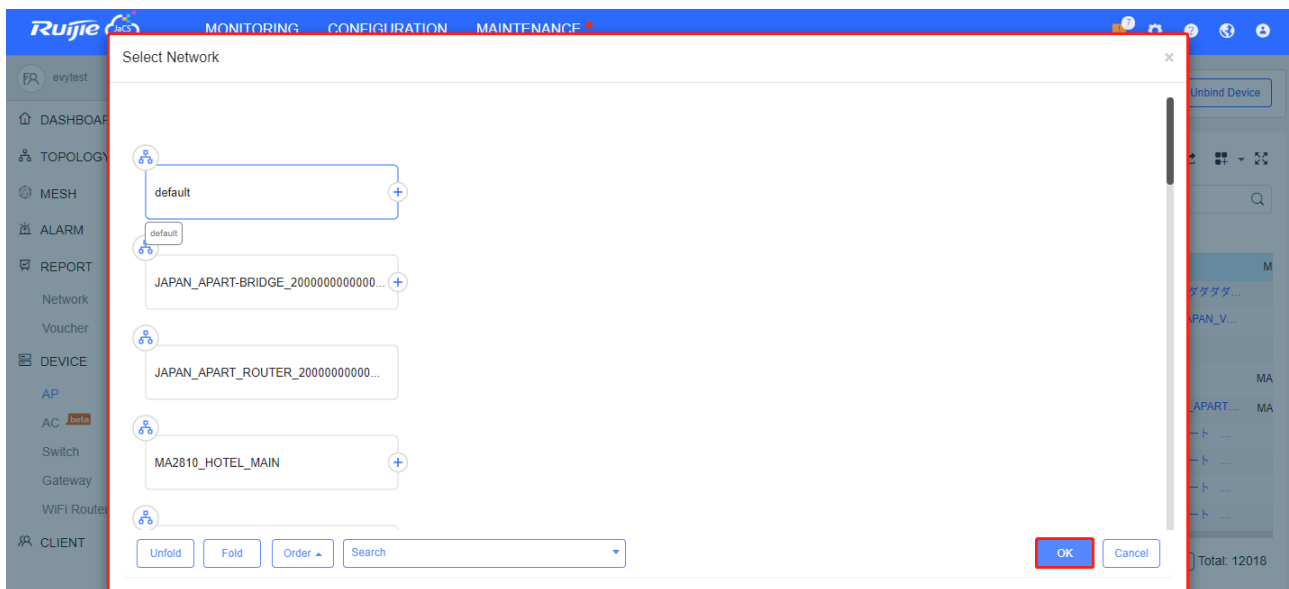
Step 2: Import device by custom EXCEL file.



● Move to

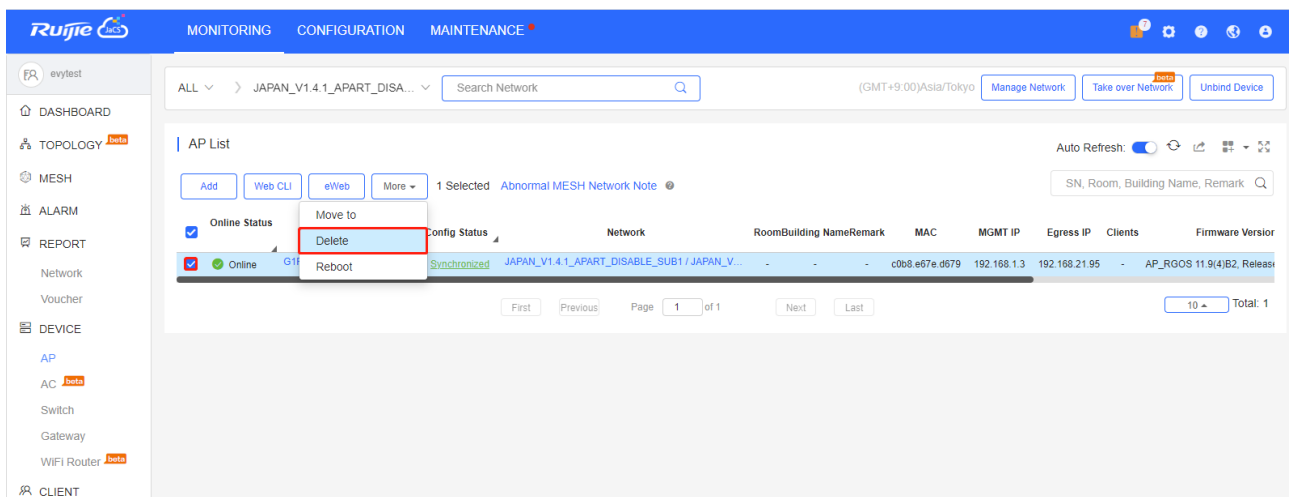
Select one or multiple devices in the **AP List**, click **More > Move to**, select the new network and click **OK**.





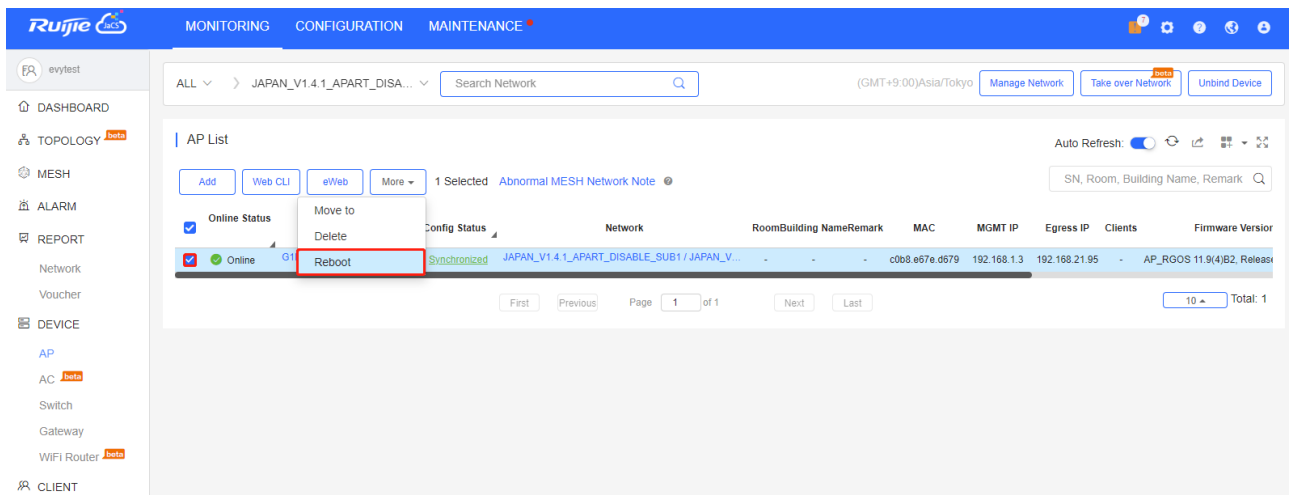
Delete

Select one or multiple devices in the **AP List**, click **More > Delete** and click **OK**.



Reboot

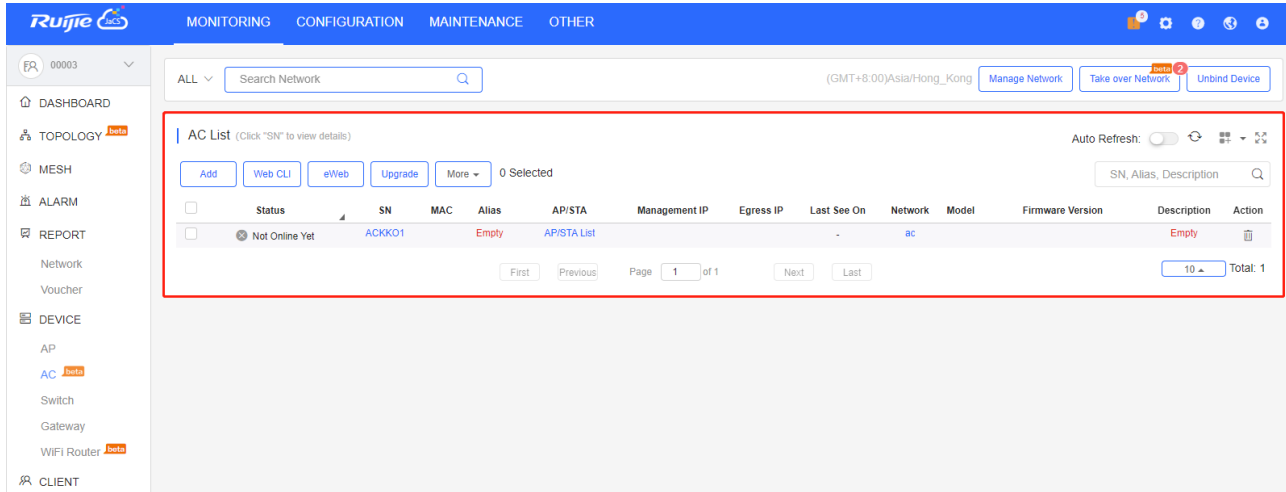
Select one or multiple devices in the **AP List**, and click **Reboot**.




5.6.2 AC (beta)

5.6.2.1 AC List

The **AC List** displays basic device information, including online/offline status, SN, MAC, alias, management IP, Egress IP, offline time, network, model, firmware version, and description.



The **AC List** automatically refreshes every minute. Click **Auto Refresh:**  to enable/disable the auto refresh function.

Above the list are the **Add**, **Web CLI**, **eWeb** and **Upgrade** functions. Click **More** to display **Reboot**, **Export** and **Delete** functions. For more information, refer to **Basic AC Operations**.

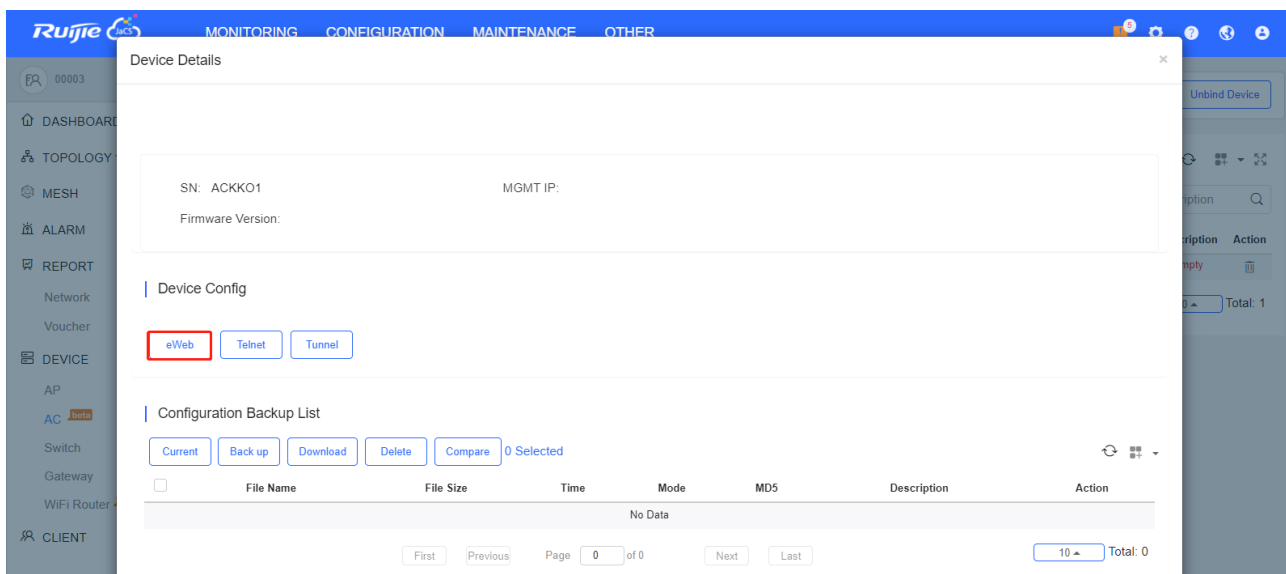
The **Search** function supports fuzzy queries based on the serial number, alias and description.

5.6.2.2 Device Details

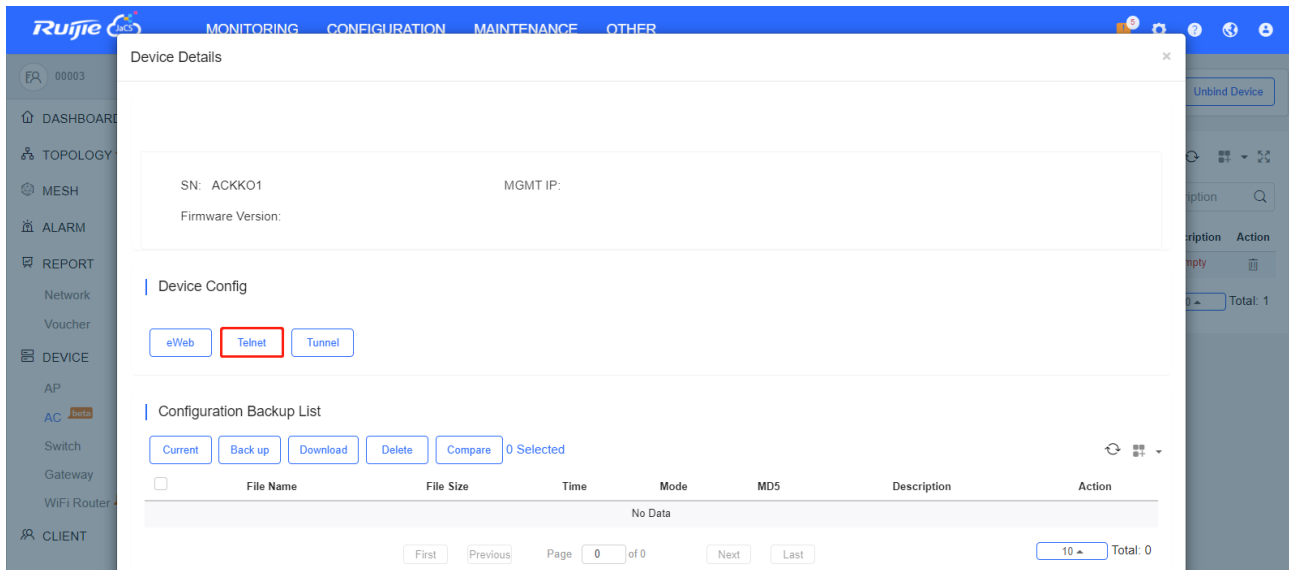
Click the serial number in the device list to open the details page for a single device.

● eWeb

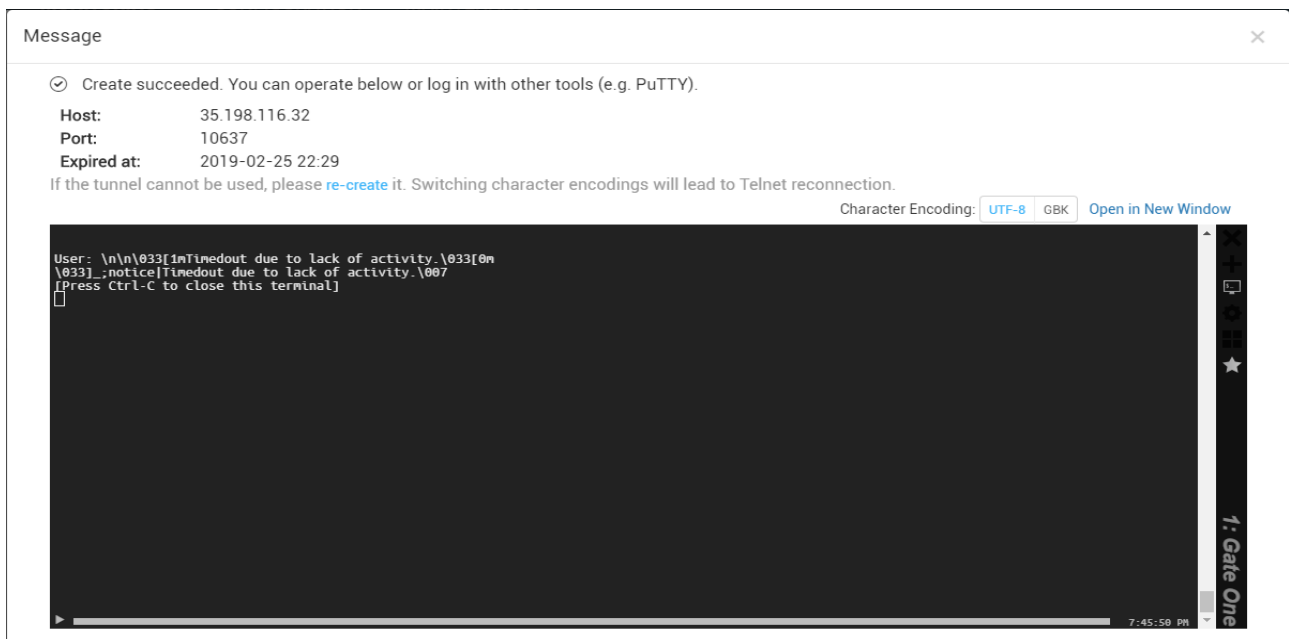
Click **eWeb** to open the eWeb system in a new window.



● Telnet




Click **Telnet** to connect to AC by Telnet protocol. Enter CLI commands to configure the AC.

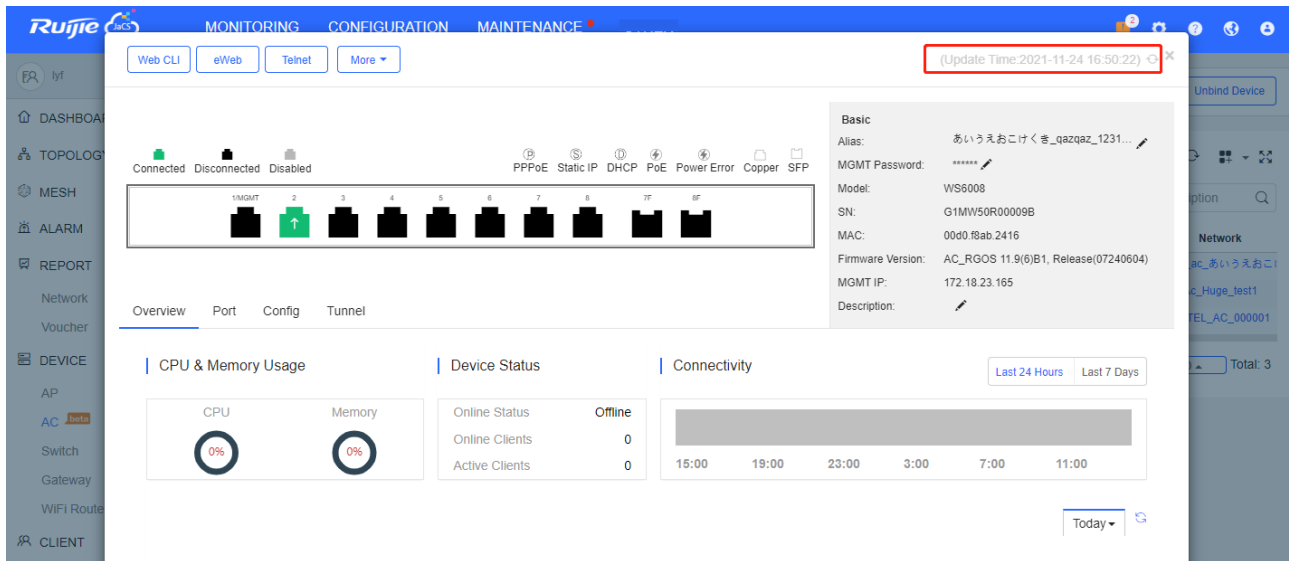


● Tunnel

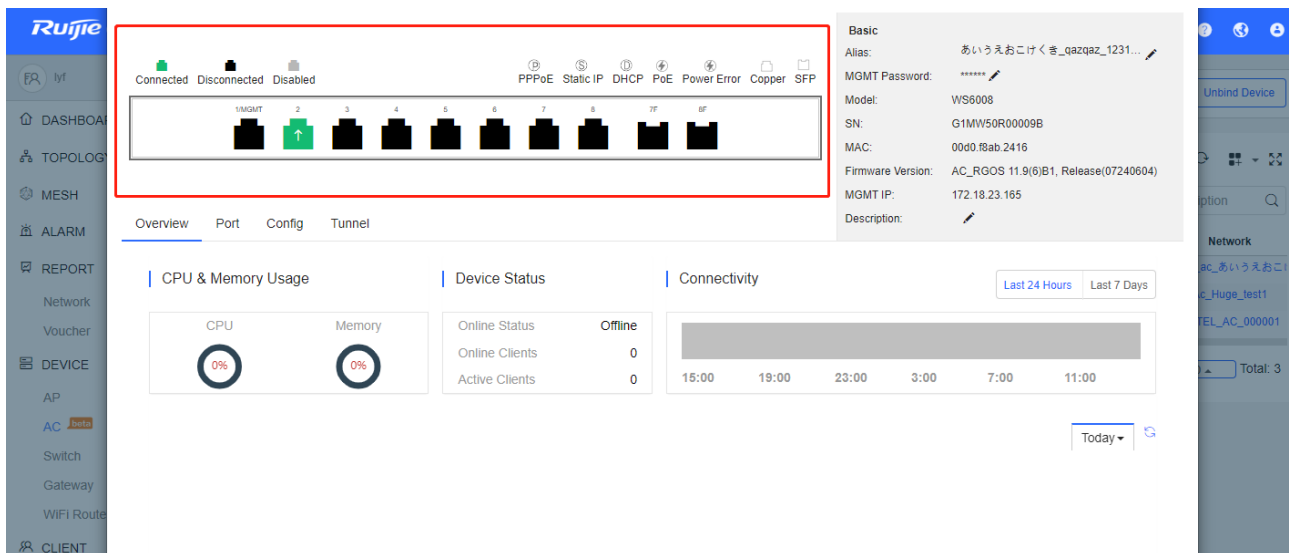


- Refresh

Click  to refresh all data in the page.



- Port Panel



The port panel imitates the actual AC panel, displaying the port type and status.

- Basic

Basic

Alias: あいうえおにけくき_qazqaz_1231...

MGMT Password: *****

Model: WS6008

SN: G1MW50R00009B

MAC: 00d0.f8ab.2416

Firmware Version: AC_RGOS 11.9(6)B1, Release(07240604)

MGMT IP: 172.18.23.165

Description: /

CPU & Memory Usage

CPU: 0% Memory: 0%

Device Status

Online Status: Offline

Online Clients: 0

Active Clients: 0

Connectivity

Last 24 Hours Last 7 Days

15:00 19:00 23:00 3:00 7:00 11:00

Today

Basic information includes the alias, model, SN and other information. Alias, MGMT Password and Description can be edited.

● Overview > CPU & Memory Usage

CPU & Memory Usage

CPU: 0% Memory: 0%

Device Status

Online Status: Offline

Online Clients: 0

Active Clients: 0

Connectivity

Last 24 Hours Last 7 Days

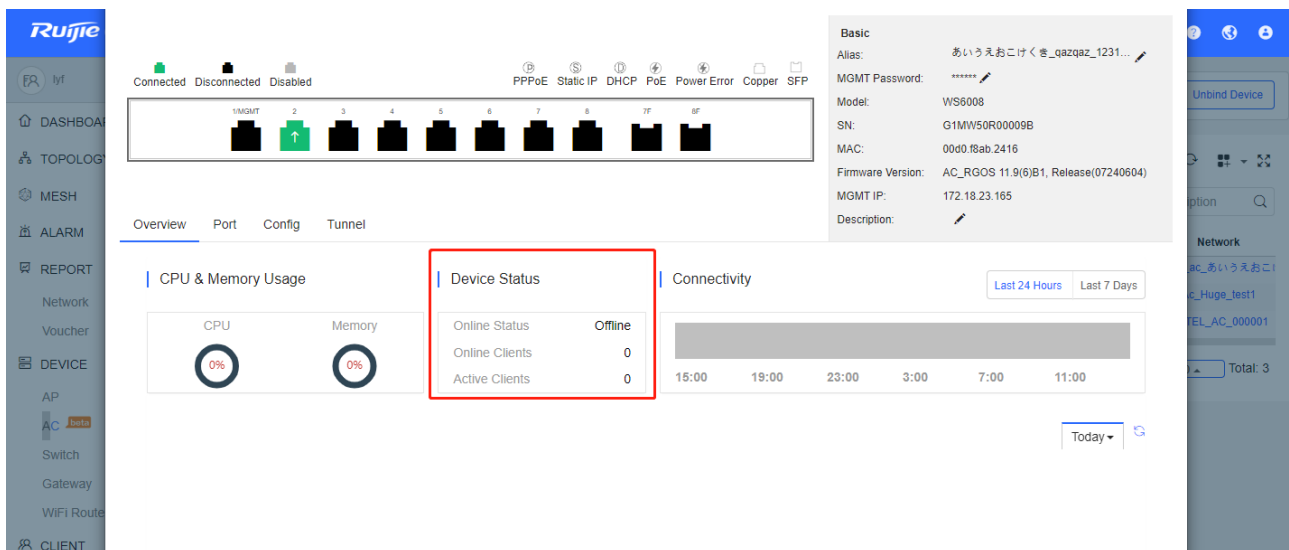
15:00 19:00 23:00 3:00 7:00 11:00

Today

CPU & memory usage are displayed here.

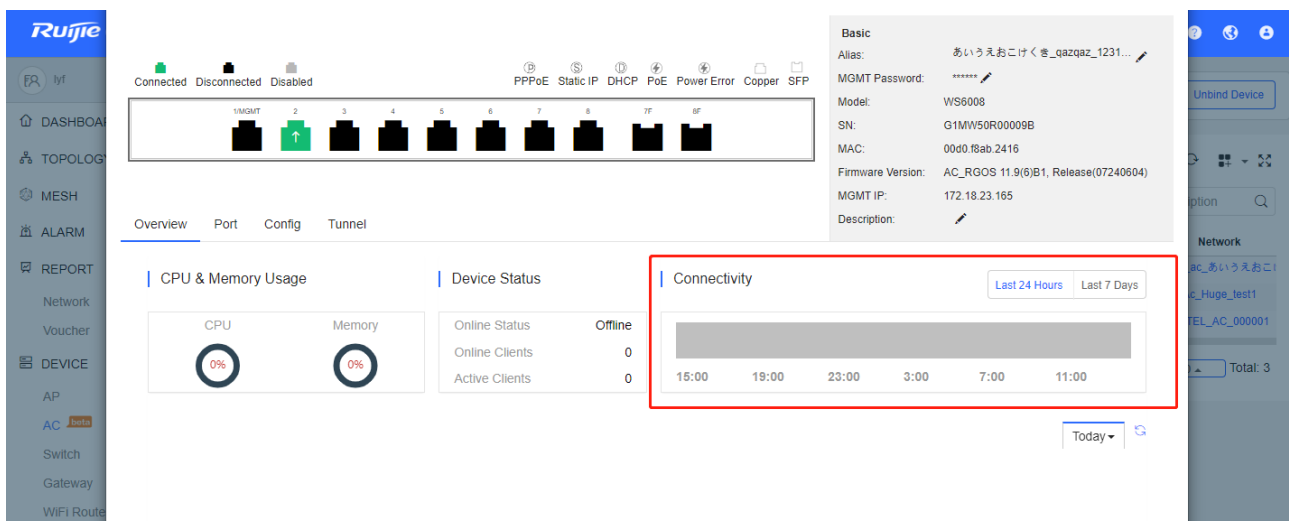
● Overview > Device Status

Device status includes online status, online clients and active clients.



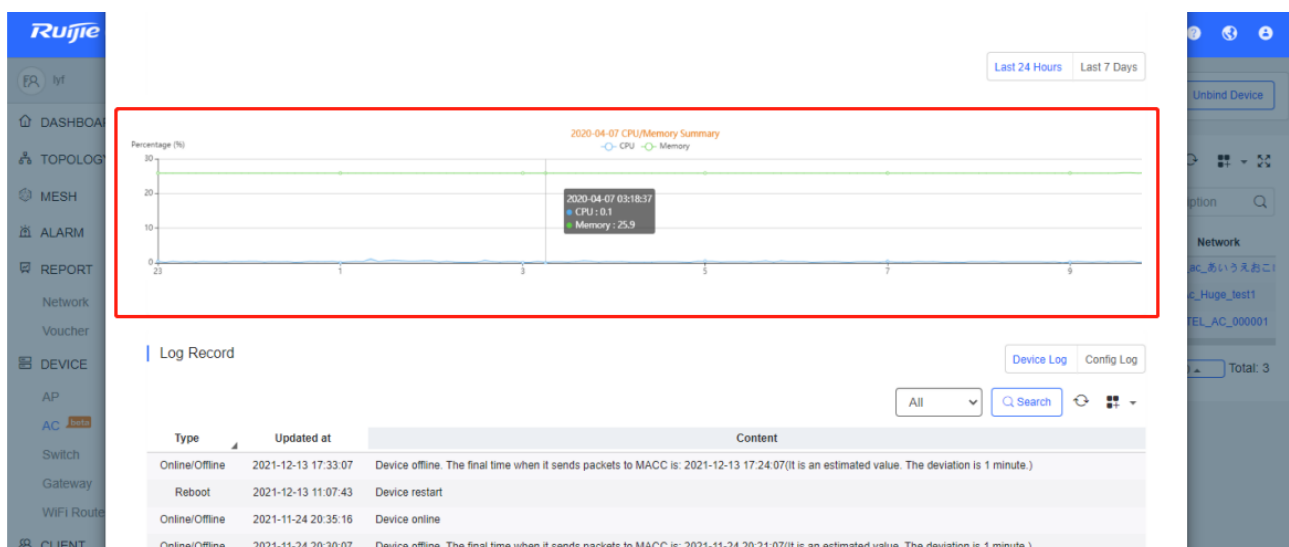
● Overview > Connectivity

Connectivity refers to the connectivity (online status) between AC and Cloud Service within a period (1 day or 7 days).



● Overview > CPU/Memory Summary

CPU/memory summary over the 24 hours are displayed.



● Overview > Device Log

Log Record

Device Log Config Log

All Search

Type	Updated at	Content
Online/Offline	2021-12-13 17:33:07	Device offline. The final time when it sends packets to MACC is: 2021-12-13 17:24:07(it is an estimated value. The deviation is 1 minute.)
Reboot	2021-12-13 11:07:43	Device restart
Online/Offline	2021-11-24 20:35:16	Device online
Online/Offline	2021-11-24 20:30:07	Device offline. The final time when it sends packets to MACC is: 2021-11-24 20:21:07(it is an estimated value. The deviation is 1 minute.)
Online/Offline	2021-11-02 20:52:08	デバイスが初めてオンラインになりました
Online/Offline	2021-10-29 11:35:06	デバイスが初めてオンラインになりました
Reboot	2021-10-27 21:40:31	デバイスの再起動
Online/Offline	2021-10-18 19:41:32	デバイスがオンライン
Online/Offline	2021-10-18 19:39:07	デバイスがオフラインです.MACCIにパケットを送信する最終時刻は2021-10-18 19:30:07です(これは推定値であり、1分の誤差があります)
Reboot	2021-10-14 19:42:21	デバイスからMACCへの最初の接続またはMACCアドレスの変更

First Previous Page 1 of 2 Next Last

10 Total: 18

The device log records the historical operations, including online/offline, restart, upgrade and VLAN change, and supports queries based on log type and time.

● Overview > Config Log

Log Record

Device Log Config Log

Search

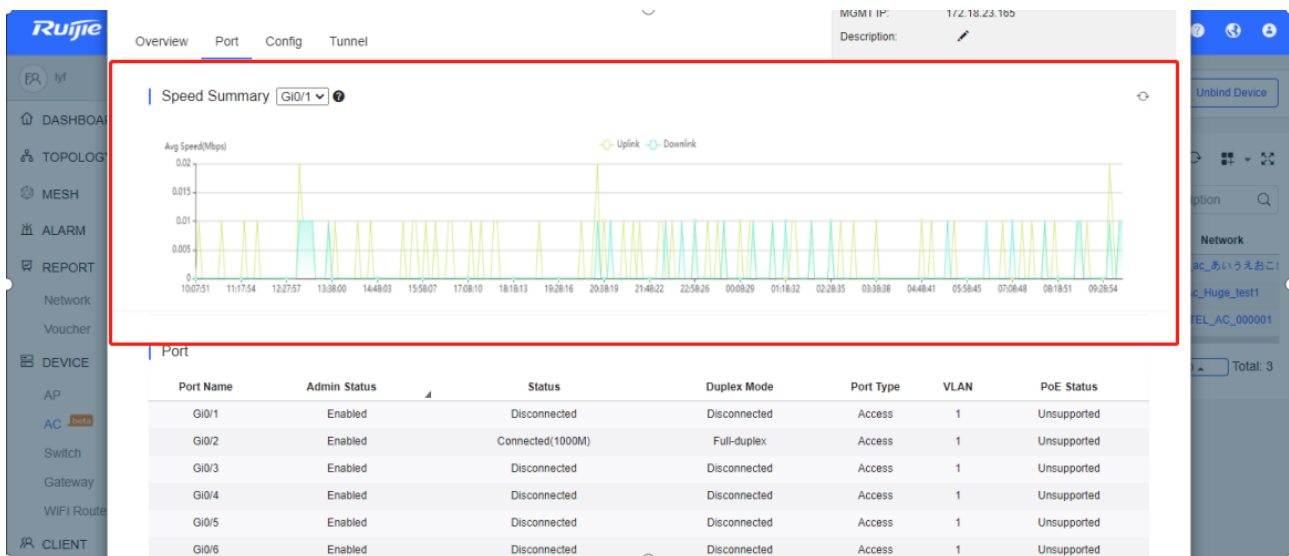
Operation Type	Started at	Ended at	Status	Description	Details
Configure device name	2021-11-08 12:05	2021-11-08 12:05	Succeeded	デバイス:G1MW50R00009B; 構成項目:デバイ...	デバイス名は[あいうえおこけき_qazqaz_1...
Cloud O&M config	2021-11-02 20:52	2021-11-02 20:52	Succeeded	ログモジュール[JAC common log,AC interface ...	
Device first online	2021-11-02 20:52	2021-11-02 20:52	Succeeded	デバイス:G1MW50R00009B	
Update device Web password	2021-11-02 20:43	2021-11-02 20:43	Succeeded	Webサービス:[true], Webログインパスワード...	
Update device Web password	2021-11-02 20:43	2021-11-02 20:43	Succeeded	Webサービス:[true], Webログインパスワード...	
Configure device name	2021-11-02 20:38	2021-11-02 20:38	Succeeded	デバイス:G1MW50R00009B; 構成項目:デバイ...	デバイス名は[あいうえおこけき_qazqaz]に...
Update device Web password	2021-11-02 20:19	2021-11-02 20:19	Succeeded	Webサービス:[true], Webログインパスワード...	
Update device Web password	2021-11-02 20:19	2021-11-02 20:19	Succeeded	Webサービス:[true], Webログインパスワード...	
Update device Web password	2021-11-02 20:18	2021-11-02 20:18	Succeeded	Webサービス:[true], Webログインパスワード...	
Update device Web password	2021-11-02 20:18	2021-11-02 20:18	Succeeded	Webサービス:[true], Webログインパスワード...	


First Previous Page 1 of 6 Next Last

10 Total: 55

The Config log records the historical configuration delivery, and supports queries based on status and time.

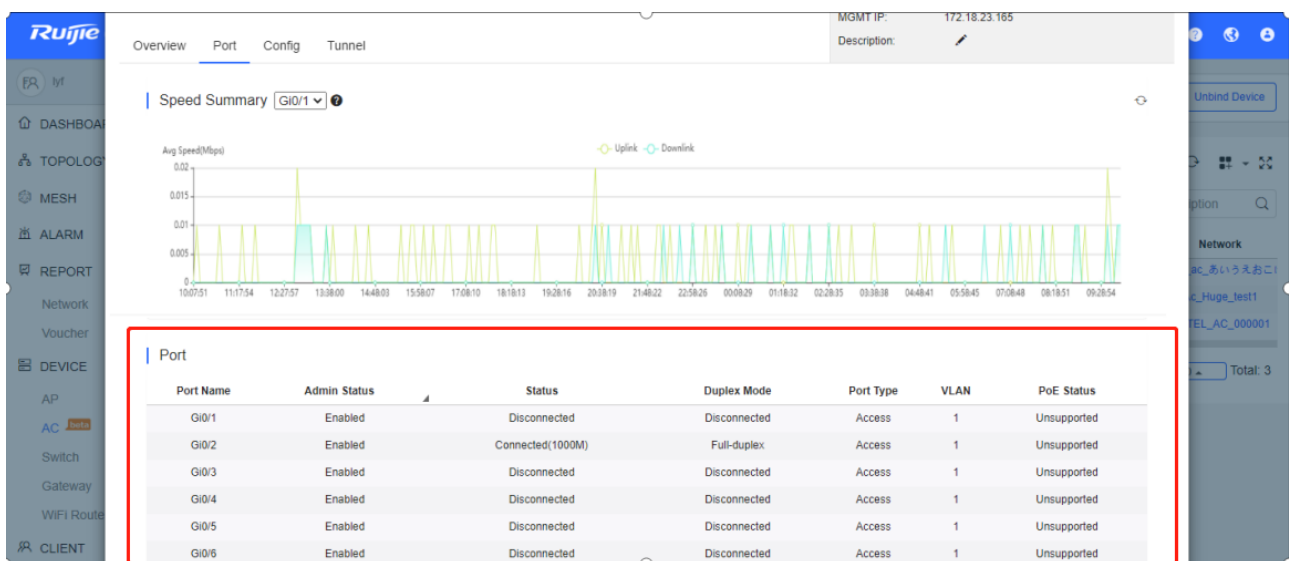
● Port > Speed Summary



Uplink & downlink speed of port are displayed. This page supports queries based on day, week and month. Click  to refresh the summary.

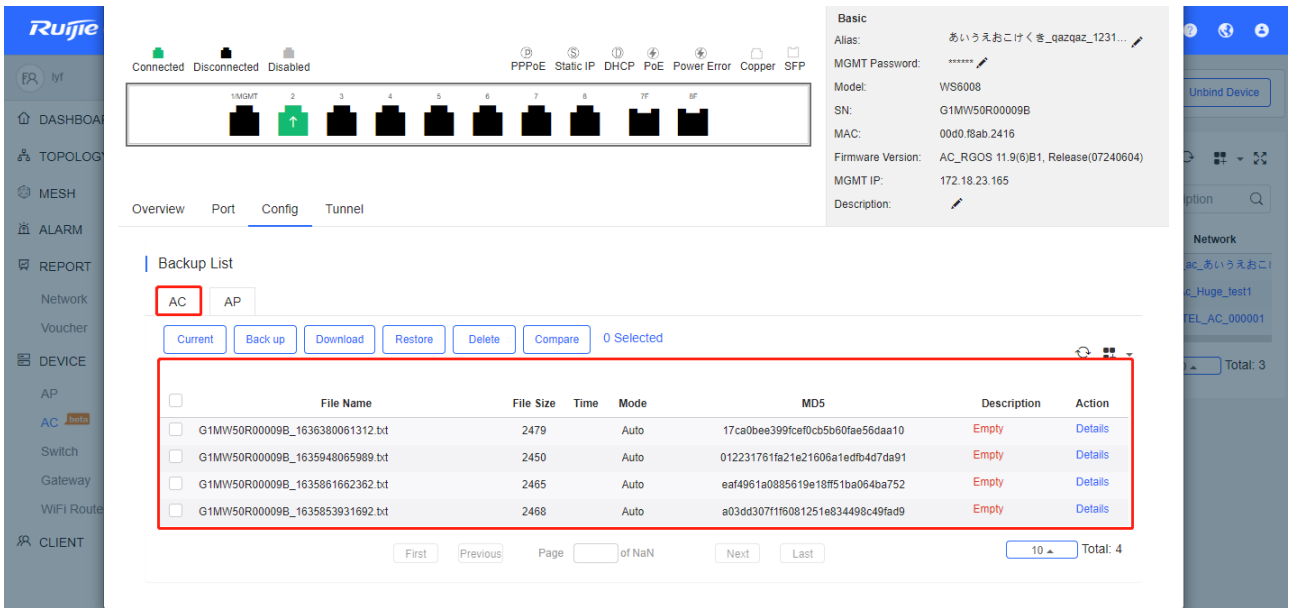
● Port > Port Status

Port information includes port name, VLAN etc.

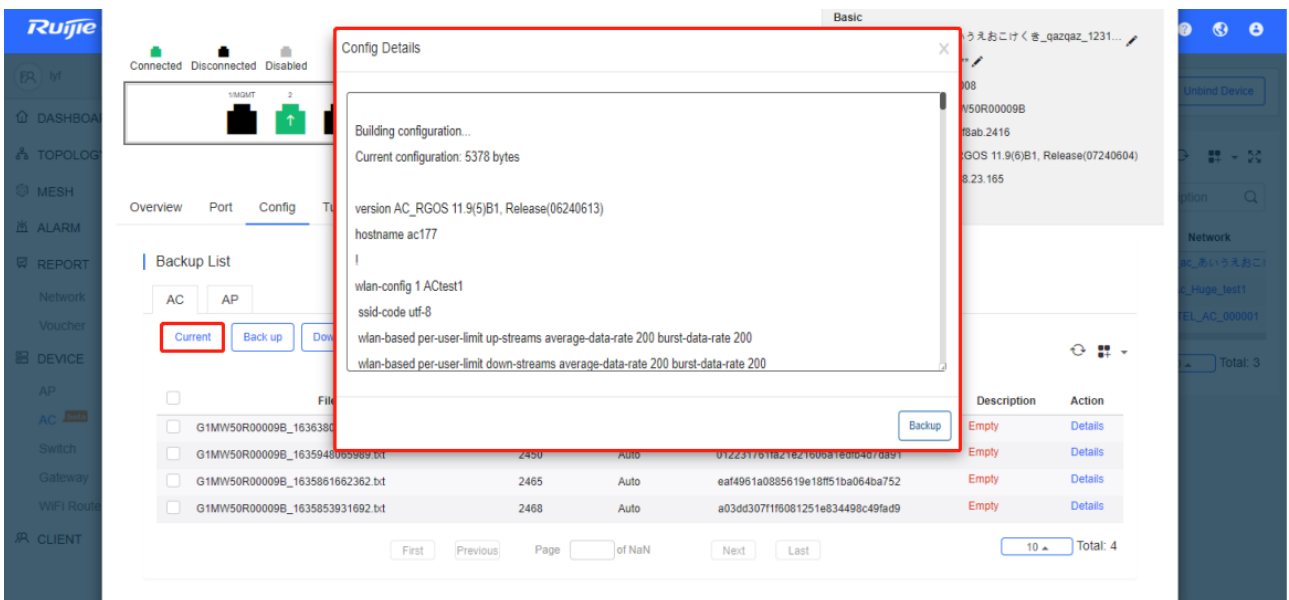


● Config > AC Configuration Backup List

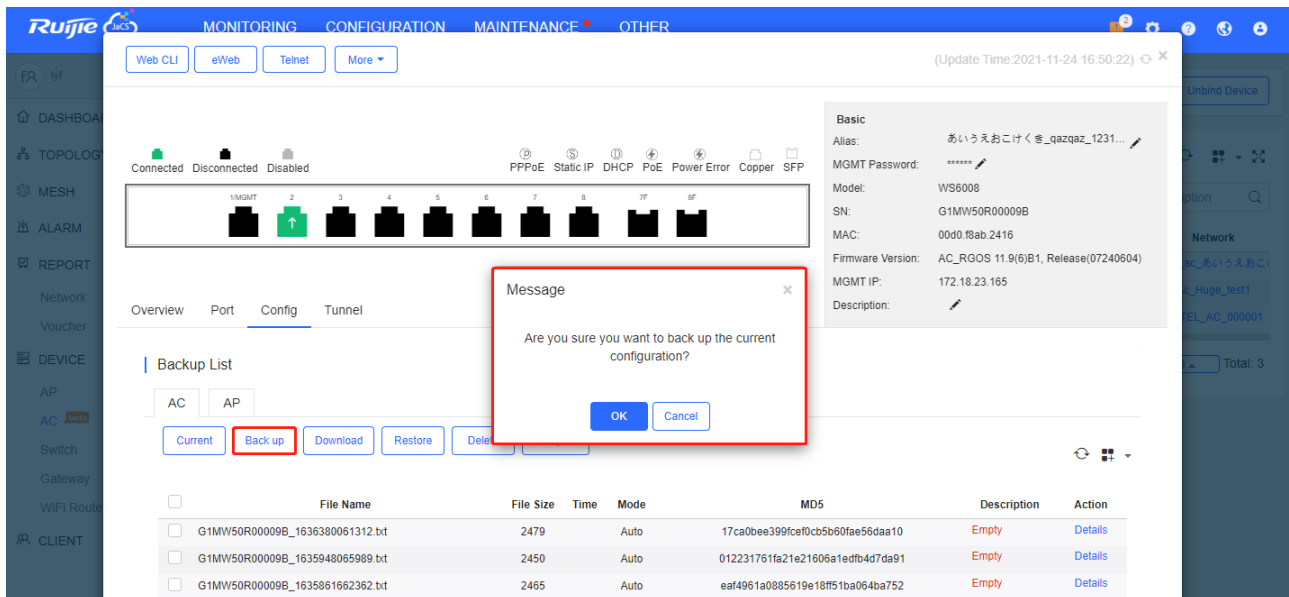
The backup records include configuration file name, size, time, mode and MD5.



Click **Current** to display the current configuration. Click **Back up** in the **Config Details** page to back up the current configuration.



Click **Back up** and then click **OK** in the message box to back up the current configuration.

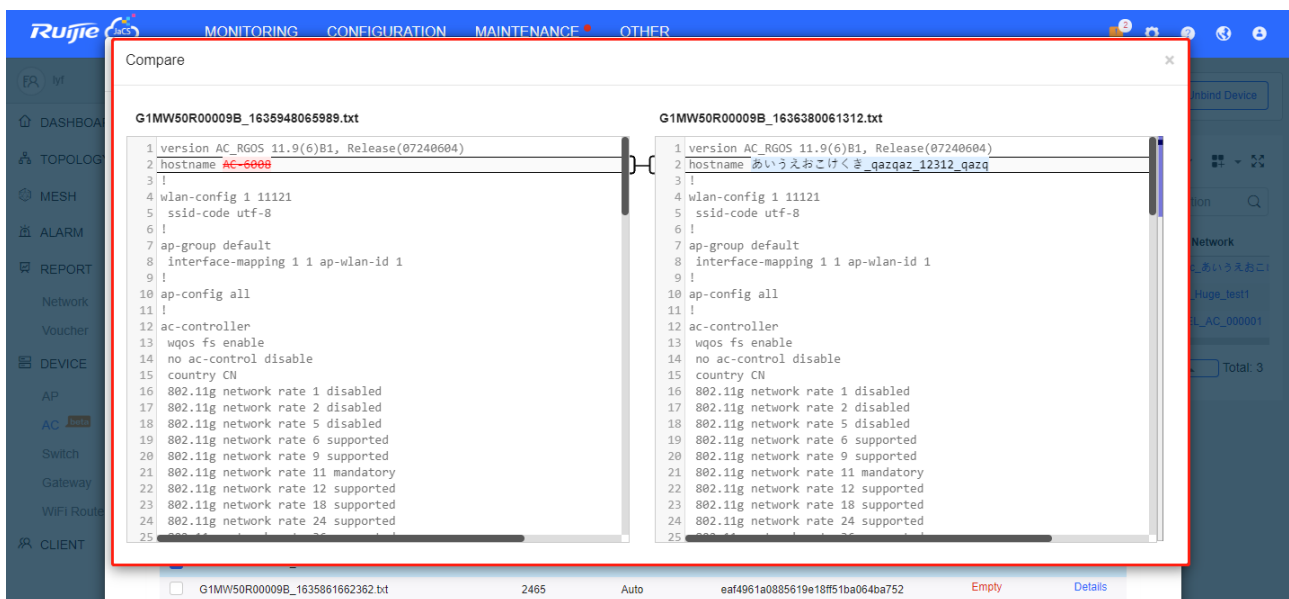


Select one record, and click **Download** to download the configuration file.

Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences



● Config > AP Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5.

Basic

Alias: あいうえおこけくき_qazqaz_1231...

MGMT Password: *****

Model: WS6008

SN: G1MW50R00009B

MAC: 00d0 f8ab 2416

Firmware Version: AC_RGOS 11.9(6)B1, Release(07240604)

MGMT IP: 172.18.23.165

Description:

Overview Port Config Tunnel

Backup List

AC AP

Download Delete Compare 0 Selected

	File Name	File Size	Time	Mode	MD5	Description	Action
<input type="checkbox"/>	G1MW50R00009B_1639231202072.txt	8		Auto	676e661fee70ea31168a59f9cddc4f06	Empty	Details
<input type="checkbox"/>	G1MW50R00009B_1639144869712.txt	2479		Auto	17ca0bee399fce0cb5b60fae56daa10	Empty	Details
<input type="checkbox"/>	G1MW50R00009B_1635853931790.txt	8		Auto	676e661fee70ea31168a59f9cddc4f06	Empty	Details

First Previous Page of NaN Next Last 10 Total: 3

Tunnel > Create Tunnel

Select the tunnel type and click **Create Tunnel**. The tunnel types include Telnet, Web and SSH.

Overview Port Config Tunnel

MGMT IP: 172.18.23.165

Description:

Create Tunnel

Type: Telnet Web SSH

Create Tunnel

Local Global

Click Refresh to update the tunnel status. If the tunnel is unavailable, please close the tunnel and re-create it. If the re-created tunnel is still unavailable, please contact us for support.

Type	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
eWeb	172.18.21.252	10000	Local	80	2021-11-24 19:45	Disabled	--
eWeb	172.18.21.252	10001	Local	80	2021-10-20 21:41	Disabled	--
eWeb	172.18.21.252	10000	Local	80	2021-10-18 14:24	Disabled	--
SSH	172.18.21.252	10005	Local	--	2021-10-14 21:21	Abnormal	--
eWeb	172.18.21.252	10004	Local	80	2021-10-14 21:21	Abnormal	--
Telnet	172.18.21.252	10003	Local	--	2021-10-14 21:21	Abnormal	--
SSH	172.18.21.252	10002	Local	--	2021-10-14 20:52	Abnormal	--
Telnet	172.18.21.252	10001	Local	--	2021-10-14 20:51	Abnormal	--

Tunnel > Tunnel List

Tunnel information includes tunnel type, host, port, destination device, destination port, expiration time and status. Click **Re-create** in the **Action** column to re-create a tunnel.

MGMT IP: 172.18.23.195
Description:

Create Tunnel

Type: Telnet Create Tunnel

Tunnel List

Click Refresh to update the tunnel status. If the tunnel is unavailable, please close the tunnel and re-create it. If the re-created tunnel is still unavailable, please contact us for support.

Type	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
eWeb	172.18.21.252	10000	Local	80	2021-11-24 19:45	Disabled	--
eWeb	172.18.21.252	10001	Local	80	2021-10-20 21:41	Disabled	--
eWeb	172.18.21.252	10000	Local	80	2021-10-18 14:24	Disabled	--
SSH	172.18.21.252	10005	Local	--	2021-10-14 21:21	Abnormal	--
eWeb	172.18.21.252	10004	Local	80	2021-10-14 21:21	Abnormal	--
Telnet	172.18.21.252	10003	Local	--	2021-10-14 21:21	Abnormal	--
SSH	172.18.21.252	10002	Local	--	2021-10-14 20:52	Abnormal	--
Telnet	172.18.21.252	10001	Local	--	2021-10-14 20:51	Abnormal	--
eWeb	172.18.21.252	10000	Local	80	2021-10-14 20:51	Abnormal	--
eWeb	172.18.21.252	10000	Local	80	2021-10-14 20:14	Abnormal	--

5.6.2.3 Basic AC Operations

- Add AC Network

Click **CONFIGURATION > NETWORKS > Add Network** to add AC network.

MONITORING CONFIGURATION MAINTENANCE

Add Network

Basic

Name: TestAC

Scenario:

Time Zone: (GMT+9:00)Asia/Tokyo

Type: Cloud + AP AC + Fit AP

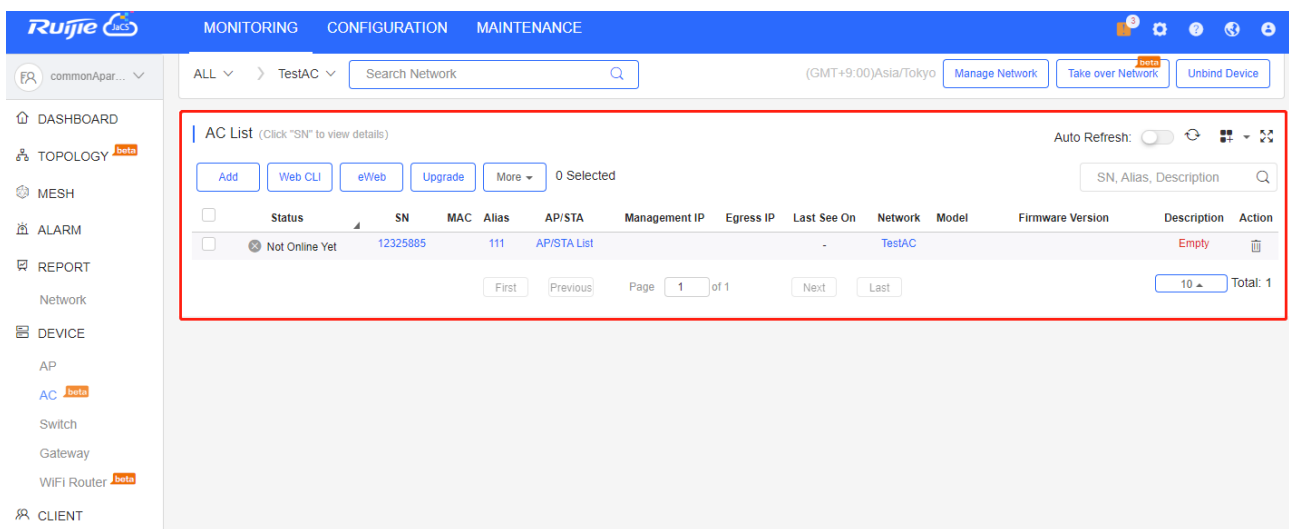
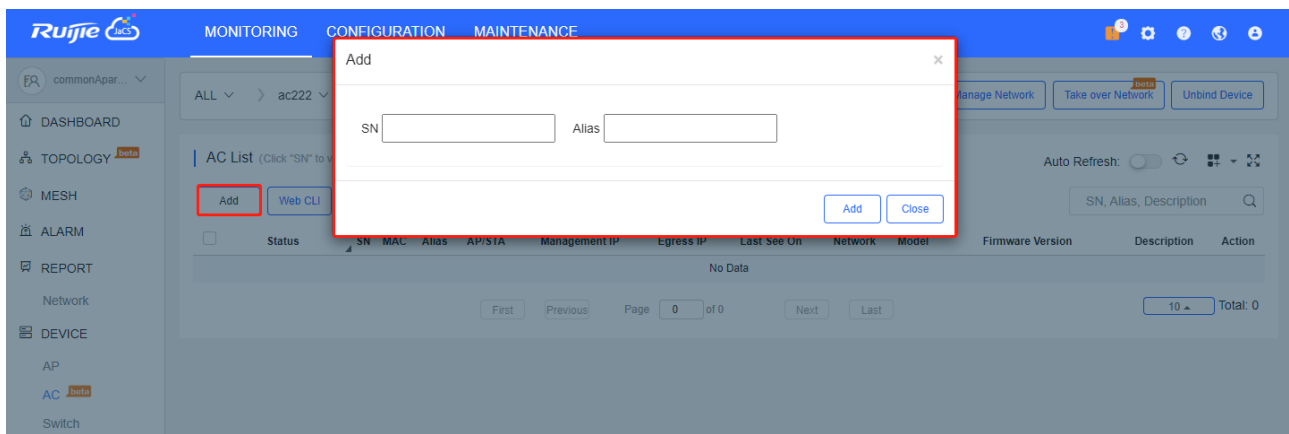
Basic Information

Name	TestAC
Time Zone	(GMT+9:00)Asia/Tokyo
Type	AC + Fit AP
Location	Not Bound

Cancel Next

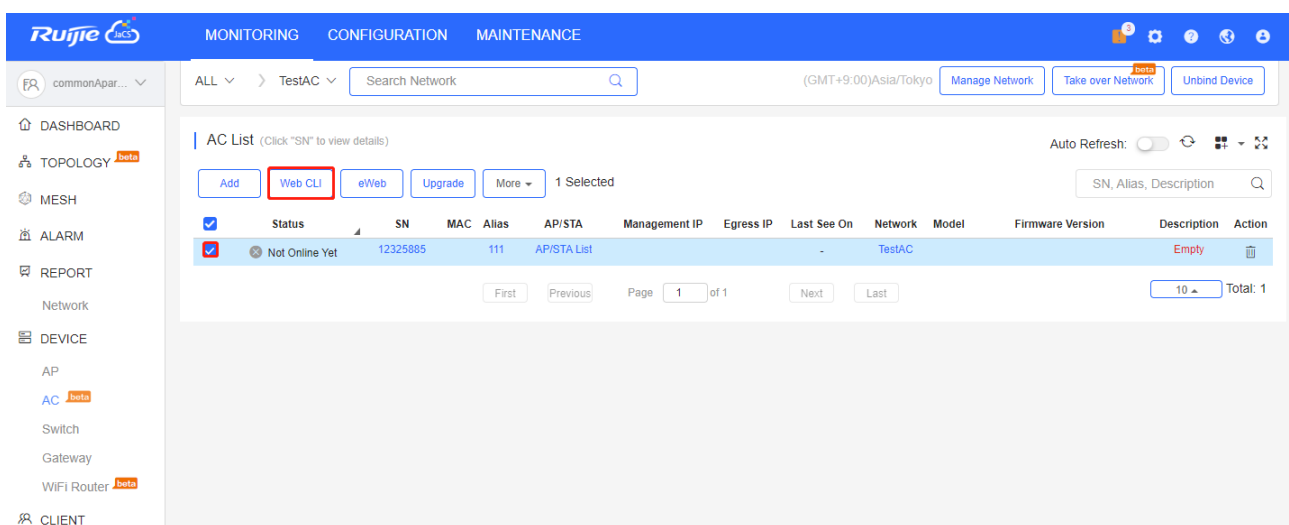
- Add

Click **Add**, enter the SN and Alias, and click **OK** to add an AC to the network. Only one AC can be added to a network.



● Web CLI

Select the device to be managed by CLI command, click **Web CLI**. The **Web CLI** page provides commonly-used CLI commands on the left. Click the command, or manually enter the command and click **Send**. Only one AC can be configured at a time.



● eWeb

Select the device and click **eWeb**. The system will connect to AC and automatically open the eWeb page in a new window.

If a tunnel is created successfully but the eWeb page does not automatically open, a message is displayed as below. The user can manually click the link to open the page.

- More > Reboot

Select the device in the **AC List**, click **More > Reboot** and click **OK**.

The screenshot shows the Ruijie Cloud management interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', 'MAINTENANCE', and 'OTHER'. The left sidebar lists various management options like 'DASHBOARD', 'TOPOLOGY', 'MESH', 'ALARM', 'REPORT', 'DEVICE', and 'CLIENT'. The main content area is titled 'AC List (Click "SN" to view details)'. It features a search bar, a table of devices, and a 'More' dropdown menu that is currently open, showing options like 'Reboot', 'Export', and 'Delete'. The table has columns for Status, SN, AP/STA, Management IP, Egress IP, Last See On, Network, Model, Firmware Version, Description, and Action. One device is listed with status 'Not Online Yet' and SN '123456789'.

● More > Export

Select the device in the **AC List**, click **More > Export**.

This screenshot shows the 'AC List' page with two devices. The 'More' dropdown menu for the first device (status 'Offline', SN 'G1MW50R001') is open, and the 'Export' option is highlighted. The table columns are the same as in the previous screenshot. The second device has status 'Not Online Yet' and SN '123456789'.

● More > Delete

Select the device in the **AC List**, click **More > Delete** and click **OK**.

This screenshot shows the 'AC List' page with the same two devices. The 'More' dropdown menu for the first device is open, and the 'Delete' option is highlighted. The table structure and data remain consistent with the previous screenshots.

5.6.2.4 AP / STA List

Click **AP/STA List** to display AP and STA list.

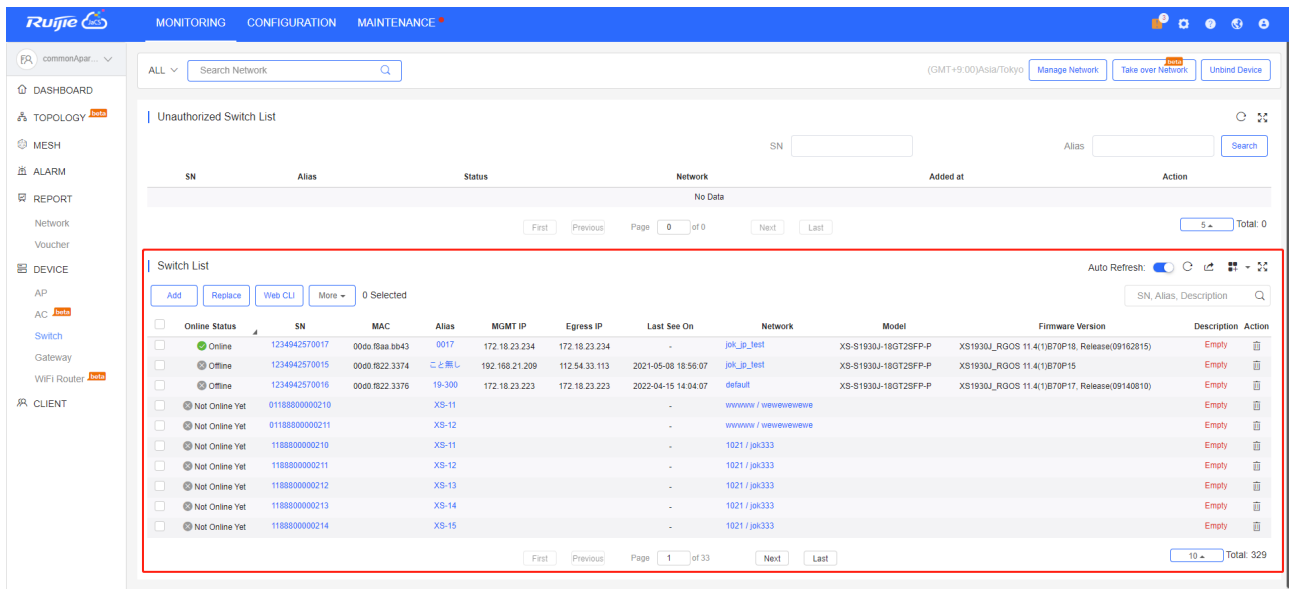
The top screenshot shows the Ruijie Cloud management interface. The left sidebar contains navigation links: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, DEVICE, and CLIENT. The main content area displays the 'AC List' page. At the top, there are tabs for 'ALL', 'TestAC', and a search bar. Below the tabs, there are buttons for 'Add', 'Web CLI', 'eWeb', 'Upgrade', and 'More'. A table lists the AC devices. The first row is highlighted in blue and contains the following data: Status: Not Online Yet, SN: 12325885, MAC: 111, AP/STA: TestAC, Management IP: -, Egress IP: -, Last See On: -, Network: TestAC, Model: -, Firmware Version: -, Description: Empty. The 'AP/STA' column is highlighted with a red box. Below the table, there are pagination controls showing 'Page 1 of 1' and 'Total: 1'.


The bottom screenshot shows the same interface, but the 'Fit AP List' and 'STA List' pages are highlighted with a red box. The 'Fit AP List' page shows a table with columns: Online Status, MAC, SN, IP, Alias, Firmware Version, Model, Network, and Description. The table is empty, and the pagination shows 'Page 0 of 0' and 'Total: 0'. The 'STA List' page shows a table with columns: IP, Client MAC, SSID, Online Time, Uplink Speed, Downlink Speed, Speed, Uplink Traffic, Downlink Traffic, Traffic, Band, RSSI, Auth Mode, Access Type, Channel, and Uptime. The table is empty, and the pagination shows 'Page 0 of 0' and 'Total: 0'.

5.6.3 Switch

5.6.3.1 Switch List

The **Switch List** displays basic device information, including the online/offline status, SN, MAC, alias, management IP & public IP, offline time, network, model, firmware version and description.



The **Switch List** automatically refreshes every minute. Click  to enable/disable the auto refresh function.

Above the list is the **Add Switch**, **Replace** and **Web CLI** function. Click  to display the **Move to**, **Delete**, and **Reboot** functions. For more information, refer to **Basic Switch Operations**.

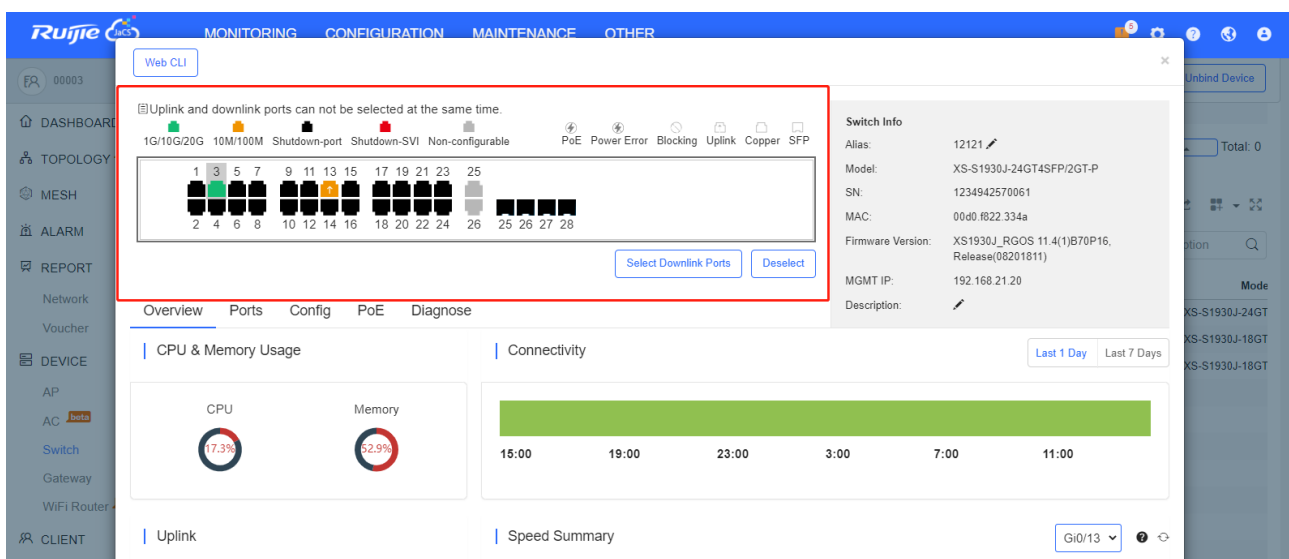
The **Search** function supports fuzzy queries based on the serial number, alias and description, and also supports queries based on online/offline status.

5.6.3.2 Device Details

Click the serial number in the device list to open the details page of a single device. The page displays detailed device information, including the port panel, basic information, overview, ports, config, PoE and diagnosis.

● Port Panel

The port panel imitates the actual switch panel, displaying the port type, status and speed.



When you point the mouse to a port, the traffic, speed and other information of the port will be displayed.

Uplink and downlink ports can not be selected at the same time.

1G/10G/20G 10M/100M Shutdown-port Shutdown-SVI Non-configurable PoE Power Error Blocking Uplink Copper SFP

Port ID: 1 3 5 7 9 11 13 15 17 19 21 23 25
Status: 2 4 6 8 10 12 14 16 18 20 22 24 26 28

Speed: 1000M
Traffic: + 3.77MB + 27.95MB
Throughput: + 102.89Kbps + 763.16Kbps
Packets: + 41098 + 27898
Media Type: Copper

Select Downlink Ports Deselect

Port Settings (Port: G10/3, G10/3, G10/5)

Admin Status: Enabled
Duplex Mode: Auto-negotiation
Speed: Auto
Description:
PoE-Capable: On

Routed Port: Unsupported
Type: Access
VLAN ID: 1

Switch Info

Alias: 12121
Model: XS-S1930J-24GT4SFP/2GT-P
SN: 1234942570061
MAC: 00d0.8222.334a
Firmware Version: XS1930J_RGOS 11.4(1)B70P16, Release(08201811)
MGMT IP: 192.168.21.20
Description:

● Switch Info

Switch information includes the alias, model, SN, MAC address, firmware version, management IP and description. **Alias** and **Description** can be edited.

Uplink and downlink ports can not be selected at the same time.

1G/10G/20G 10M/100M Shutdown-port Shutdown-SVI Non-configurable PoE Power Error Blocking Uplink Copper SFP

1 3 5 7 9 11 13 15 17 19 21 23 25
2 4 6 8 10 12 14 16 18 20 22 24 26 28

Select Downlink Ports Deselect

Overview Ports Config PoE Diagnose

CPU & Memory Usage

CPU: 17.3%
Memory: 52.9%

Connectivity

15:00 19:00 23:00 3:00 7:00 11:00

Switch Info

Alias: 12121
Model: XS-S1930J-24GT4SFP/2GT-P
SN: 1234942570061
MAC: 00d0.8222.334a
Firmware Version: XS1930J_RGOS 11.4(1)B70P16, Release(08201811)
MGMT IP: 192.168.21.20
Description:

● Overview > CPU & Memory Usage

Uplink and downlink ports can not be selected at the same time.

1G/10G/20G 10M/100M Shutdown-port Shutdown-SVI Non-configurable PoE Power Error Blocking Uplink Copper SFP

1 3 5 7 9 11 13 15 17 19 21 23 25
2 4 6 8 10 12 14 16 18 20 22 24 26 28

Select Downlink Ports Deselect

Overview Ports Config PoE Diagnose

CPU & Memory Usage

CPU: 17.3%
Memory: 52.9%

Connectivity

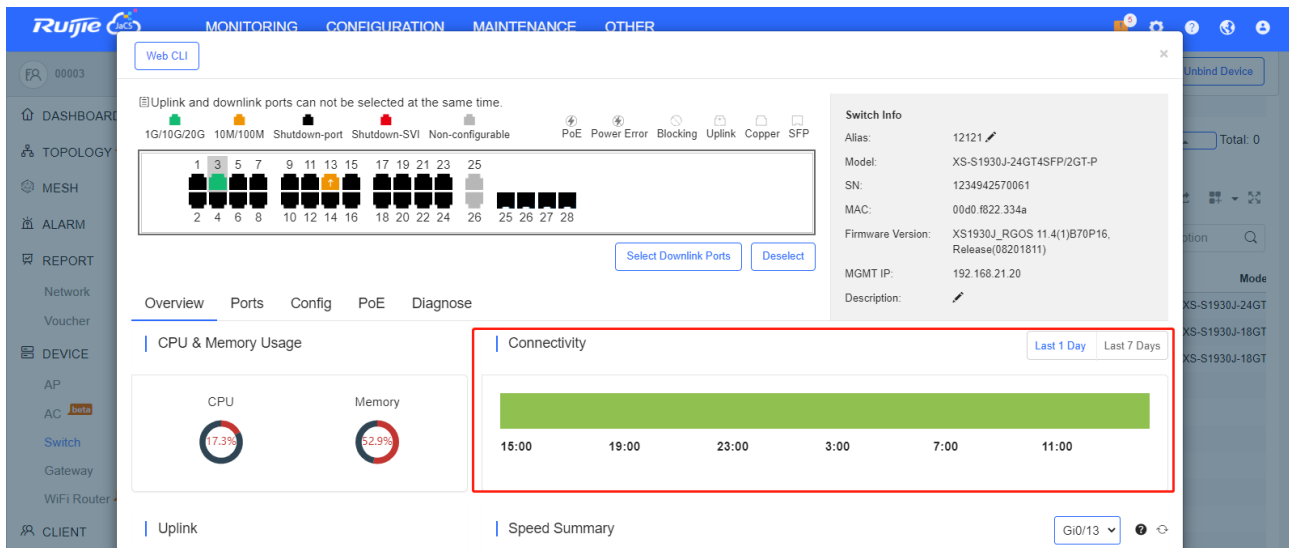
15:00 19:00 23:00 3:00 7:00 11:00

Switch Info

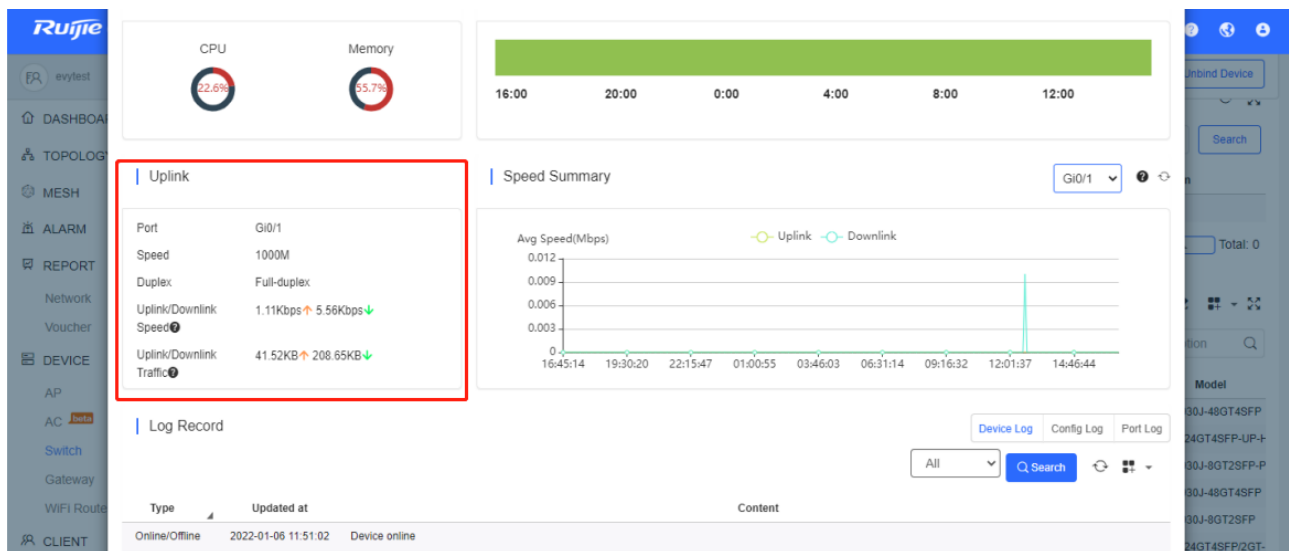
Alias: 12121
Model: XS-S1930J-24GT4SFP/2GT-P
SN: 1234942570061
MAC: 00d0.8222.334a
Firmware Version: XS1930J_RGOS 11.4(1)B70P16, Release(08201811)
MGMT IP: 192.168.21.20
Description:

- Overview > Connectivity

Connectivity refers to the connectivity (online status) between Switch and Cloud Service within a period (1 day or 7 days).



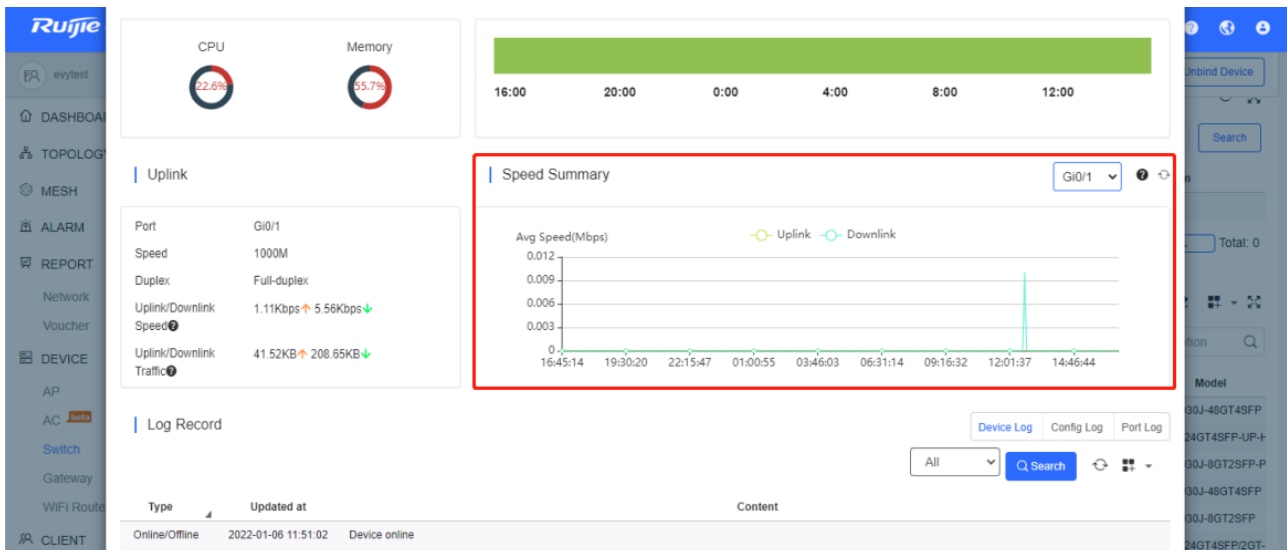
- Overview > Uplink



Uplink information includes the port, speed, duplex, uplink/downlink speed and uplink/downlink traffic.

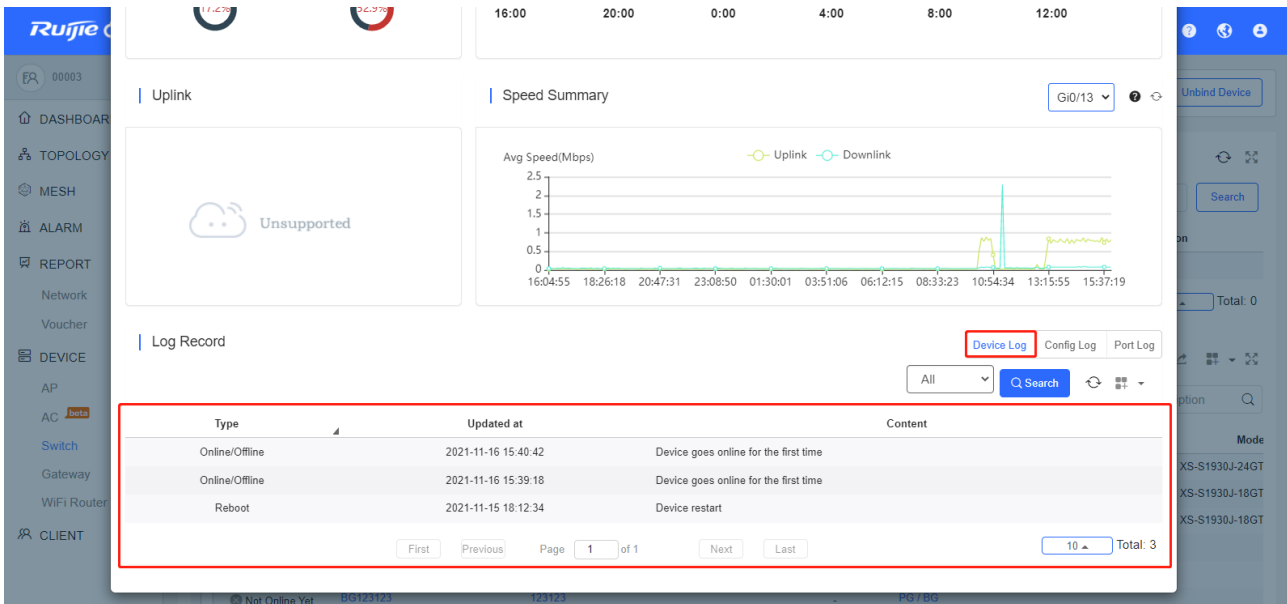
- Overview > Speed Summary

Speed summary includes the uplink/downlink speed summary over the past 24 hours.



Overview > Device Log

The device log records the historical operations, including online/offline, restart, upgrade, and VLAN change, and supports queries based on log type and time.



Overview > Config Log

The config log records the historical configuration delivery, and supports queries based on status and time.

Log Record

Operation Type	Started at	Ended at	Status	Description	Details
Device first online	2021-11-16 15:40	2021-11-16 15:41	Succeeded	Device: 1234942570061	
Device first online	2021-11-16 15:39	2021-11-16 15:39	Aborted	Device: 1234942570061	
Update RLDLP config	2021-10-22 20:12	2021-10-22 20:12	Succeeded	デバイス[1234942570061], グローバルRLDP...	
Update RLDLP config	2021-10-22 20:12	2021-10-22 20:12	Succeeded	デバイス[1234942570061], グローバルRLDP...	
Configure DHCP snooping	2021-10-22 20:12	2021-10-22 20:12	Succeeded	デバイス[1234942570061], DHCPスヌーピン...	
Configure DHCP snooping	2021-10-22 20:11	2021-10-22 20:12	Succeeded	デバイス[1234942570061], DHCPスヌーピン...	
Configure DHCP snooping	2021-10-21 17:50	2021-10-21 17:50	Succeeded	デバイス[1234942570061], DHCPスヌーピン...	
Switch config	2021-10-21 17:50	2021-10-21 17:50	Succeeded	Device: 1234942570061, Web service switch: [...]	
Switch config	2021-10-13 16:15	2021-10-13 16:15	Succeeded	Device: 1234942570061, Web service switch: [...]	

First Previous Page 1 of 15 Next Last 10 Total: 150

Overview > Port Log

The port log records the changes of port configuration, and supports queries based on port ID and time.

Uplink

Speed Summary

Avg Speed(Mbps)

Uplink Downlink

Log Record

Port	Updated at	Content
No Data		

First Previous Page 0 of 0 Next Last 10 Total: 0

Ports > Port Settings

Select one or multiple ports in the port panel to display and edit the port configuration, including admin status, duplex mode and speed.

Uplink and downlink ports can not be selected at the same time.

1G/10G/20G 10M/100M Shutdown-port Shutdown-SVI Non-configurable PoE Power Error Blocking Uplink Copper SFP

Switch Info

- Alias: 12121
- Model: XS-S1930J-24GT/4SFP/2GT-P
- SN: 1234942570061
- MAC: 00d0 1822 334a
- Firmware Version: XS1930J_RGOS 11.4(1)B70P16, Release(08201811)
- MGMT IP: 192.168.21.20
- Description:

Overview Ports Config PoE Diagnose

Port Settings (Port: Gi0/3)

Admin Status: Enabled

Duplex Mode: Auto-negotiation

Speed: Auto

Description:

PoE-Capable: On

Media Type: Unsupported

Routed Port: Unsupported

Type: Access

VLAN ID: 1

Save

Ports > Port List

Port list includes the information of all ports, including port ID, admin status, port status, duplex mode, port type, VLAN ID and PoE status, and support queries based on admin status, port type and PoE status.

PoE-Capable: On

Media Type: Unsupported

Save

Port List

Port	Admin Status	Status	Duplex Mode	Port Type	VLAN ID	PoE Status	Action
Gi0/1	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/2	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/3	Enabled	Connected(1000M)	Full-duplex	Access	1	Off	
Gi0/4	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/5	Enabled	Disconnected	Disconnected	Access	2	Off	
Gi0/6	Enabled	Disconnected	Disconnected	Access	2	Off	
Gi0/7	Enabled	Disconnected	Disconnected	Access	5	Off	
Gi0/8	Enabled	Disconnected	Disconnected	Access	2	Off	
Gi0/9	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/10	Enabled	Disconnected	Disconnected	Access	5	Off	

First Previous Page 1 of 3 Next Last

10 Total: 28

Config > VLAN List

VLAN list includes the VLAN ID and the correspondingly ports.

Uplink and downlink ports can not be selected at the same time.

1G/10G/20G 10M/100M Shutdown-port Shutdown-SVI Non-configurable PoE Power Error Blocking Uplink Copper SFP

Switch Info

Alias: 12121

Model: XS-S1930J-24GT4SFP/2GT-P

SN: 1234942570061

MAC: 00d0.1822.334a

Firmware Version: XS1930J_RGOS 11.4(1)B70P16, Release(08201811)

MGMT IP: 192.168.21.20

Description:

Overview Ports **Config** PoE Diagnose

VLAN List

Add

VLAN ID	Port	Action
1	Gi0/1, Gi0/2, Gi0/3, Gi0/4, Gi0/9, Gi0/11, Gi0/13, Gi0/15, Gi0/17, Gi0/24	
2	Gi0/5, Gi0/6, Gi0/8, Gi0/12, Gi0/14, Gi0/18, Gi0/19, Gi0/20, Gi0/23	
3	Gi0/21, Gi0/22	
4		
5	Gi0/7, Gi0/10, Gi0/16	
6	Gi0/25, Gi0/26, Gi0/27, Gi0/28	

First Previous Page 1 of 1 Next Last

10 Total: 6

Click **Add** to add VLAN IDs in batches.

Add

VLAN ID: Range: 1-4094; Example: 1,2,3或3-5

OK Cancel

If a VLAN ID you add exists, it will be ignored.

You can use the following two methods to add VLAN IDs in batches:

- (1) Use commas (,) to separate multiple VLANs. Up to 10 VLANs are supported.
- (2) Use an end dash (-) to indicate a VLAN range. No limit.

Note: Do not support to use commands and end dashes at the same time.

● Config > SVI & DHCP

SVI & DHCP information includes VLAN ID, SVI and DHCP pool name. You can add, edit or delete the SVI or DHCP configuration.

First Previous Page 1 of 1 Next Last

10 Total: 6

SVI & DHCP

Add

VLAN ID	IP	DHCP Pool Name	Action
2	193.22.5.6	-	Edit Delete SVI
3	30.30.30.3	-	Edit Delete SVI
4	40.40.40.4	-	Edit Delete SVI

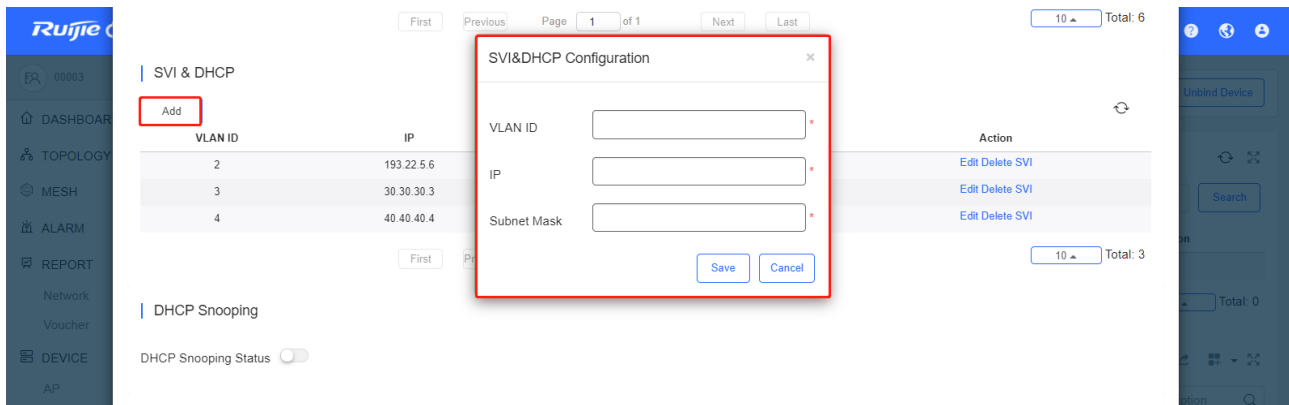
First Previous Page 1 of 1 Next Last

10 Total: 3

DHCP Snooping

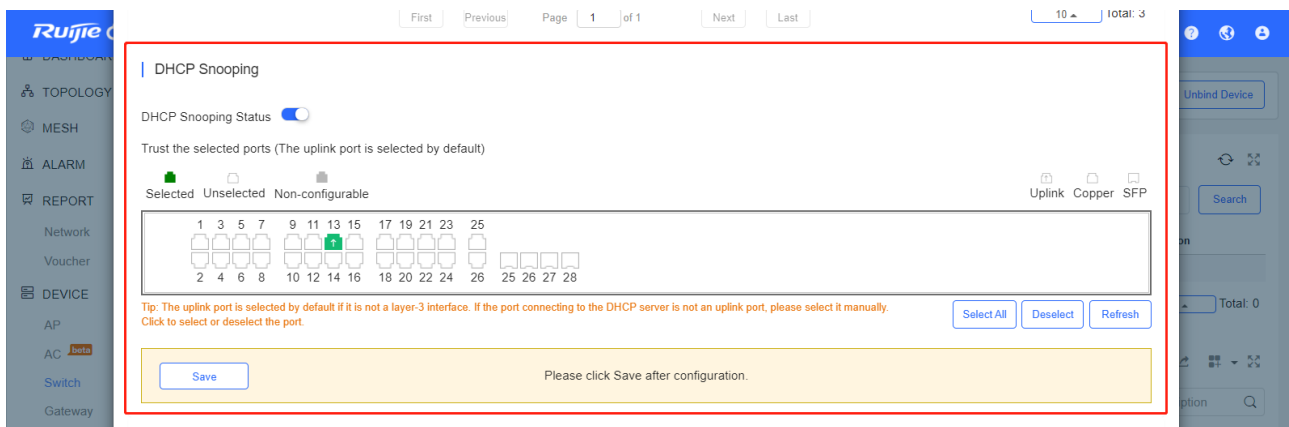
DHCP Snooping Status ☐

Click **Add** to configure the IP and subnet mask of a VLAN, and configure the name, IP segment, subnet mask and gateway of DHCP service.



● Config > DHCP Snooping

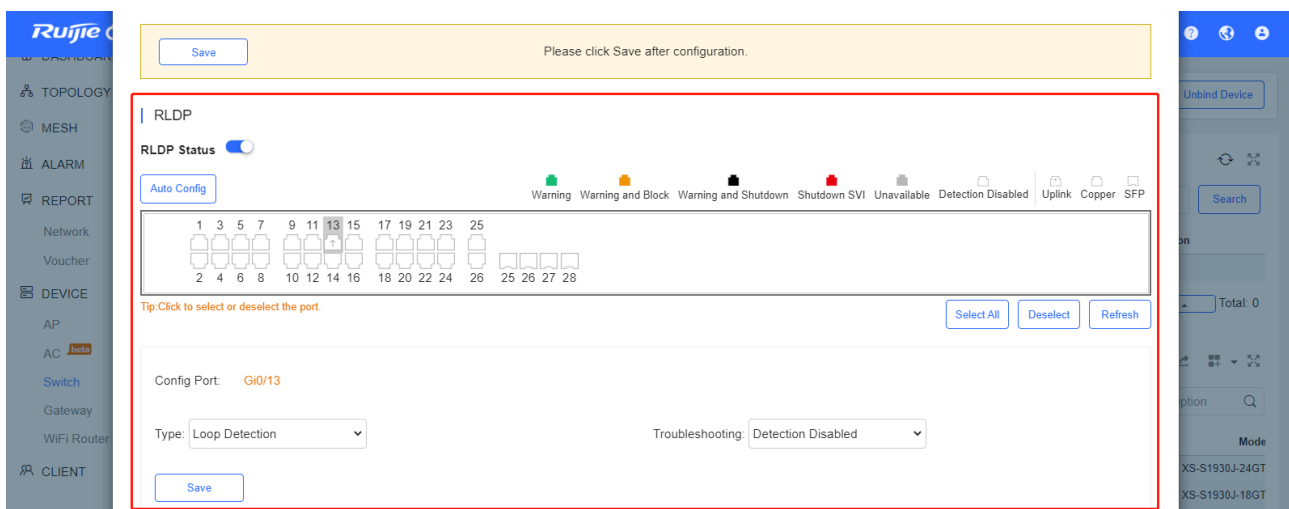
Enable **DHCP Snooping Status**, select ports and click **Save**. The uplink port is selected by default if it is not routed port. If the port connecting to the DHCP server is not an uplink port, please select it manually.



● Config > RLDP

Enable **RLDP Status**, select one or multiple ports, choose the troubleshooting method for a loop, and click **Save**.

The troubleshooting methods include **Warning**, **Warning and Block**, **Warning and Shutdown**, and **Shutdown SVI**.



If **Warning** is chosen, the **Switch loopback detected (RLDP)** alarm should be enabled in the **Alarm Settings** page.

Type	Status	Alarm Threshold	Email Alarm
Device goes offline	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Device goes online and offline continually	<input checked="" type="checkbox"/>	>20 %	<input checked="" type="checkbox"/>
All devices are offline	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
High channel usage on AP	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
System usage(CPU/memory usage) above threshold	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Switch loopback detected (RLDP)	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Interface updown rate above threshold	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Abnormal network access on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
High packet loss rate on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Uplink rate above threshold on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Downlink rate above threshold on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>

Click **Auto Config** to enable the default configuration.

Message

Uplink port of the switch:

Recommended Config: Detect the loop on all ports except uplink and unavailable ports. Loop Detection The solution is Warning and Block (For Aggregate: Warning and Shutdown).

You can click Cancel to manually select ports and customize the policy.

OK Cancel

● Config > Service List

Configure the admin status and login password of the eWeb service.

1

3

5

7

9

11

13

15

17

2

4

6

8

10

12

14

16

18

19

20

Tip: The uplink port is selected by default if it is not a layer-3 interface. If the port connecting to the DHCP server is not an uplink port, please select it manually. Click to select or deselect the port.

Select All

Deselect

Refresh

Save

RLDP

RLDP Status ☐

Device Config

Tunnel

Service List

Service	Admin Status	Value
eWeb	<input type="checkbox"/>	Login Password <input type="text"/>

First

Previous

Page 1 of 1

Next

Last

10 Total: 1

Configuration Backup List

Current

Back up

Customize

Download

Restore

Delete

Compare

File Name

Q Search

↺

⌵

⌵

<input type="checkbox"/>	File Name	File Size	Time	Mode	MD5	Description	Action
<input type="checkbox"/>	こざしすせ	4.15K	2022-05-13 15:49:41	Customize	e0abbf7c9cda7bc778ffbe0d4ce13a8d	Empty	Details
<input type="checkbox"/>	@#_13	4.15K	2022-05-13 15:07:08	Customize	e0abbf7c9cda7bc778ffbe0d4ce13a8d	Empty	Details
<input type="checkbox"/>	1234942570017_1652421644298	4.15K	2022-05-13 15:00:39	Manual	e0abbf7c9cda7bc778ffbe0d4ce13a8d	Empty	Details

First

Previous

Page 1 of 1

Next

Last

10 Total: 3

● Config > Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5.

Configuration Backup List

Current

Back up

Customize

Download

Restore

Delete

Compare

File Name

Q Search

↺

⌵

⌵

<input type="checkbox"/>	File Name	File Size	Time	Mode	MD5	Description	Action
<input type="checkbox"/>	こざしすせ	4.15K	2022-05-13 15:49:41	Customize	e0abbf7c9cda7bc778ffbe0d4ce13a8d	Empty	Details
<input type="checkbox"/>	@#_13	4.15K	2022-05-13 15:07:08	Customize	e0abbf7c9cda7bc778ffbe0d4ce13a8d	Empty	Details
<input type="checkbox"/>	1234942570017_1652421644298	4.15K	2022-05-13 15:00:39	Manual	e0abbf7c9cda7bc778ffbe0d4ce13a8d	Empty	Details

First

Previous

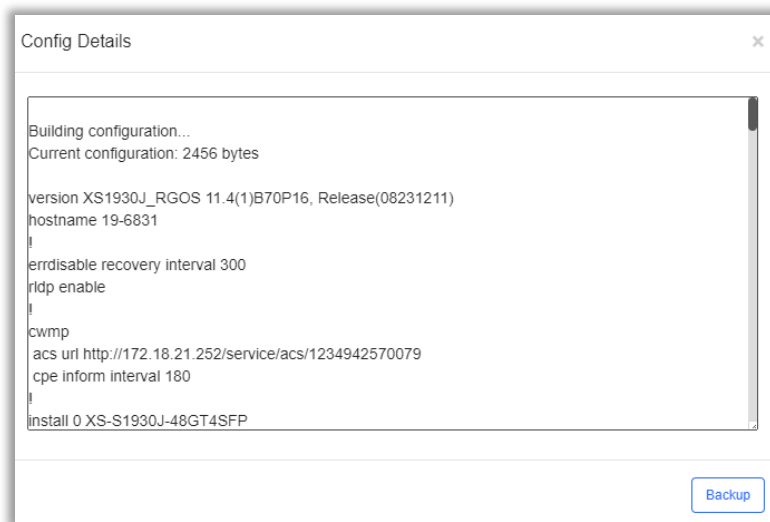
Page 1 of 1

Next

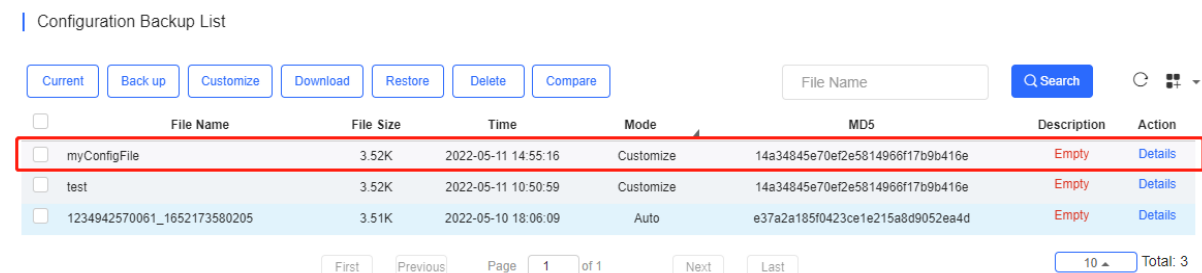
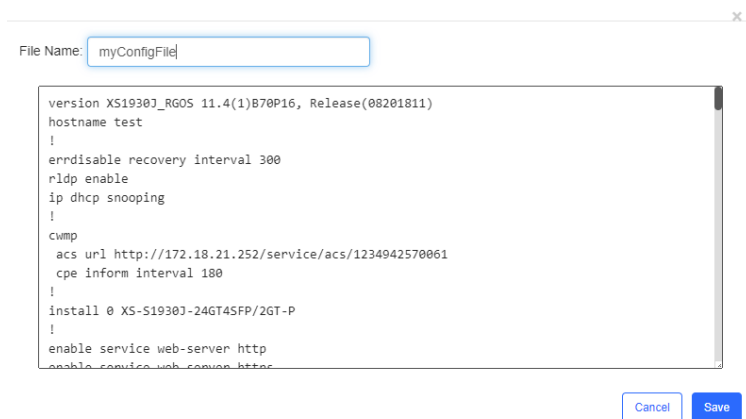
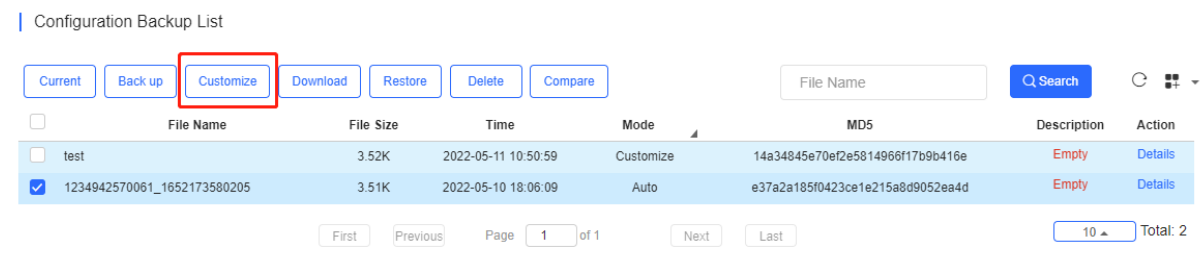
Last

10 Total: 3

Click **Current** to display the current configuration. Click **Backup** in the **Config Details** page to back up the current configuration.



To customize a configuration file, select an existing file and click **Customize**.



Select one record, and click **Download** to download the configuration file.

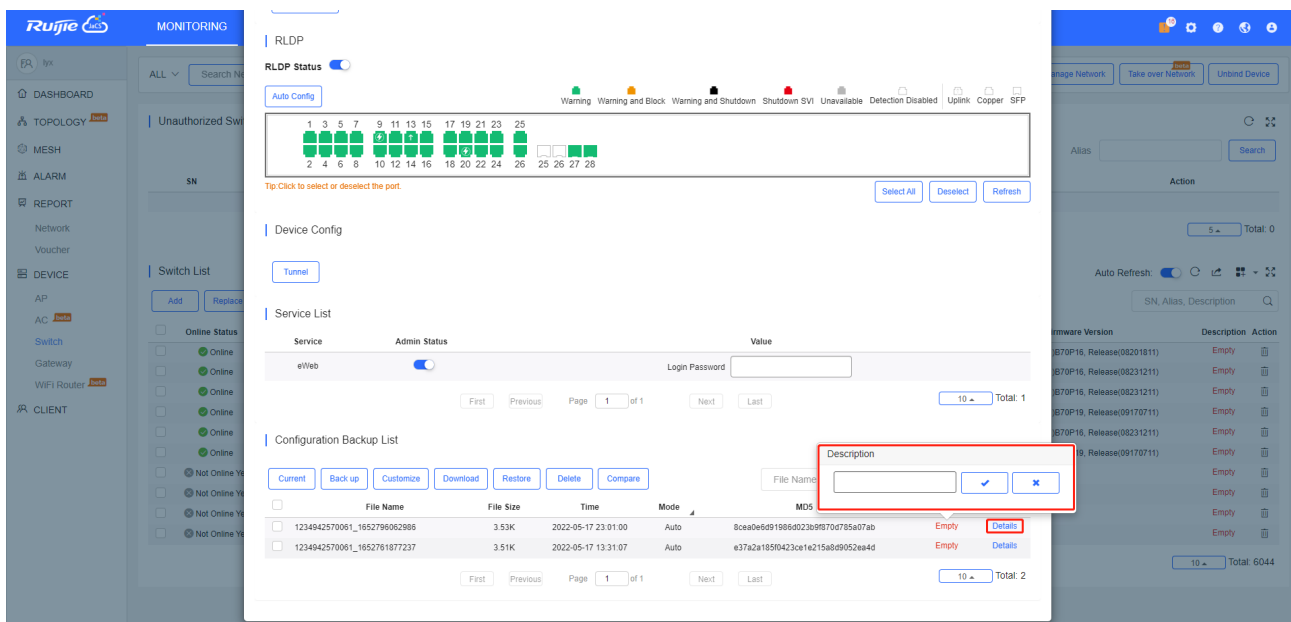
Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences.



Description can be edited. Click **Details** in the **Action** column to check the backup configuration.



● PoE > PoE Port List

PoE statistics are displayed above **PoE Port List**, including the total power, current power and time.

PoE configuration includes the port, PoE-capable, PoE status, power, PD class and description.

PoE Port List

Total Power: 370.0 W, Current Power: 0.0 W, Time: 2021-12-27 17:06:46

Port	PoE-capable	PoE Status	Power	PD Class	Description
G10/1	Enable	Off	0.0 W	NA	-
G10/2	Enable	Off	0.0 W	NA	-
G10/3	Enable	Off	0.0 W	NA	-
G10/4	Enable	Off	0.0 W	NA	-
G10/5	Enable	Off	0.0 W	NA	-
G10/6	Enable	Off	0.0 W	NA	-
G10/7	Enable	Off	0.0 W	NA	-
G10/8	Enable	Off	0.0 W	NA	-
G10/9	Enable	Off	0.0 W	NA	-
G10/10	Enable	Off	0.0 W	NA	-

First Previous Page 1 of 3 Next Last 10 Total: 24

Schedule Policy

PoE > Schedule Policy

The **Schedule Policy** displays the time period policy for powering off PoE ports, including the policy name, time period, and status indicating whether the policy has been used on ports.

Schedule Policy

Add

Policy Name	Time Period	Status	Action
test1	Daily(01:02-03:04)	Inactive	Edit Delete

First Previous Page 1 of 1 Next Last 10 Total: 1

Port PoE Setting

Port	Priority	Maximum Power	Offline Time Policy	Action
G10/1	High		test1	Edit

PoE > Port PoE Setting

The **Port PoE Setting** displays effective port PoE settings, including port name, the power supply priority, maximum power and power supply stop policy.

Port PoE Setting

Port	Priority	Maximum Power	Offline Time Policy	Action
G10/1	High		test1	Edit
G10/2	Critical		test1	Edit
G10/3	Low		Never	Edit
G10/4	Critical	33	test1	Edit
G10/5	Low		Never	Edit
G10/6	Low		Never	Edit
G10/7	Low		Never	Edit
G10/8	Low		Never	Edit
G10/9	Low		Never	Edit
G10/10	Low		Never	Edit

First Previous Page 1 of 3 Next Last 10 Total: 24

Auto Checking

● PoE > Auto Checking

The **Auto Checking** displays the policy for checking the working status of a PD connected to a PoE port, including the Ping interval, number of retry times, action to be taken upon checking failure and IP address for checking PDs.

The screenshot shows the Ruijie PoE configuration interface. The top table lists PoE ports and their configurations:

Port	Mode	Power	Test IP	Action
Gi0/2	Critical		test1	[Edit]
Gi0/3	Low		Never	[Edit]
Gi0/4	Critical	33	test1	[Edit]
Gi0/5	Low		Never	[Edit]
Gi0/6	Low		Never	[Edit]
Gi0/7	Low		Never	[Edit]
Gi0/8	Low		Never	[Edit]
Gi0/9	Low		Never	[Edit]
Gi0/10	Low		Never	[Edit]

The bottom table shows the Auto Checking policy for a specific port (VLAN4):

SVI	Ping Interval Time(s)	Retry Times	Check Failure Action	PD Info	Enabled	Action
VLAN4	10	1	Nothing	-	[Toggle]	[Edit]
VLAN3	120	3	Reboot	Gi0/21-30 30.30.21	[Toggle]	[Edit]
VLAN2	10	3	Reboot	Gi0/5-193 22.5.5 Gi0/12-193 22.5.122 Gi0/19-193 22.5.19	[Toggle]	[Edit]
VLAN1	33	5	Nothing	-	[Toggle]	[Edit]

● Diagnose > Fault Diagnosis

There are two types of fault diagnosis: **PoE Power Supply** and **SFP Port**. Select a port in the panel, click **Diagnose**, and the diagnosis procedure is displayed as below.

The screenshot shows the Ruijie PoE Fault Diagnosis interface. The top panel shows the port selection and the diagnosis type (PoE Power Supply). The bottom panel shows the diagnosis procedure for a specific port (Gi0/3):

Type: PoE Power Supply

Port: Gi0/3

Legend: Disabled (black), Enabled (green), Abnormal (red), Not Supported (grey)

Procedure:

```

17:31:17 Complete.
Result: No exception detected.
Suggestion: Please contact our after-sales personnel
17:31:12 Diagnosing...
17:31:07 Diagnosing...
17:31:07 Port Gi0/3 Starting...
  
```

Click **History**, and the diagnosis history is displayed.

SN: 1234942570061
MAC: 00d0.1822.334a
Firmware Version: XS1930J_RGOS 11.4(1)B70P16, Release(08201811)
MGMT IP: 192.168.21.20
Description:

Overview Ports Config PoE **Diagnose**

Fault Diagnosis

Type: PoE Power Supply

Port: Gi0/3

Disabled Enabled Abnormal Not Supported

Uplink Copper SFP

Diagnose Deep Diagnosis

Status	Result	Advice	PoE-capable	PoE Status	PD Class	Voltage	Remaining Power	Start at
Complete	No exception detected	Please contact our after-sales personnel	Enable	off	N/A	0.0V	370.0 W	2021-12-27 17:31:08

First Previous Page 1 of 1 Next Last 10 Total: 1

Select a port in the panel, click **Deep Diagnose**, and click **Diagnose** in the **PoE Diagnosis** page.

PoE Diagnosis

Diagnose

PoE Diagnosis, Diagnosis Initialization....

Result: **Not supported**
Updated at: 2022-04-12 13:59:26

Procedure

14:58:52 Complete,
Result: No exception detected,
Suggestion: Please contact our after-sales personnel

14:58:47 Diagnosing...

14:58:47 Port Gi0/21 Starting...



Normal diagnosis: The Cloud server delivers CLI commands to collect the switch information, and the diagnosis occurs on the Cloud server.

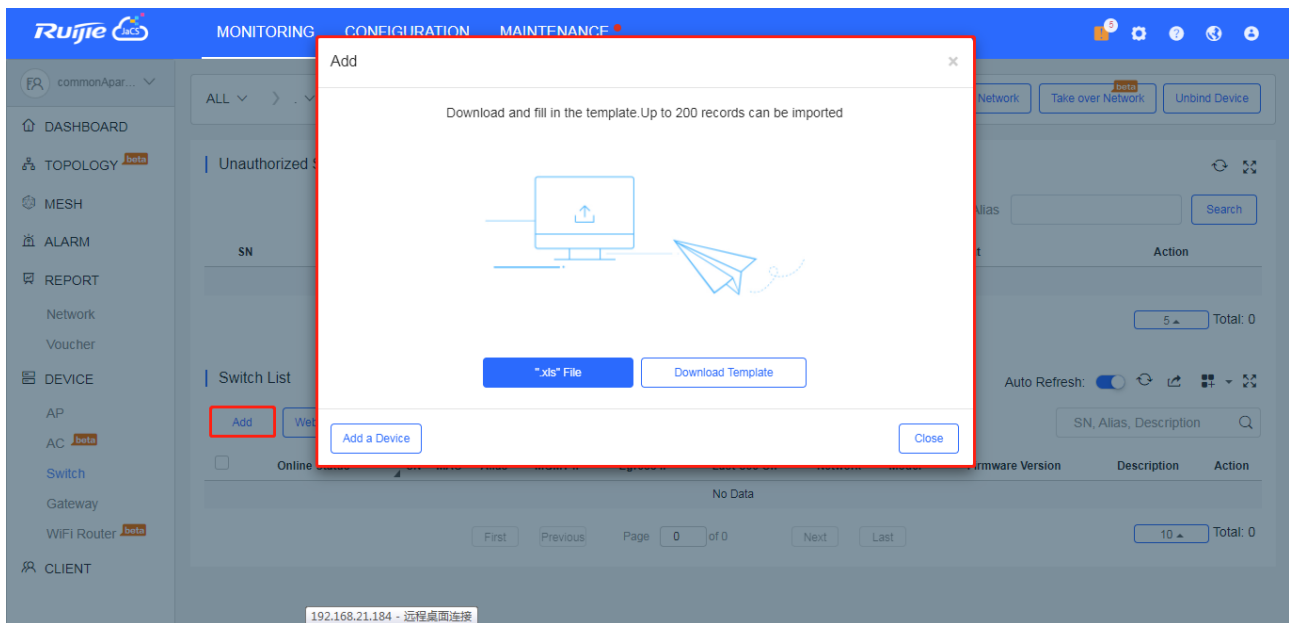


Deep diagnosis: The diagnosis occurs on the switch, and the results are reported to the Cloud server.

5.6.3.3 Basic Switch Operations

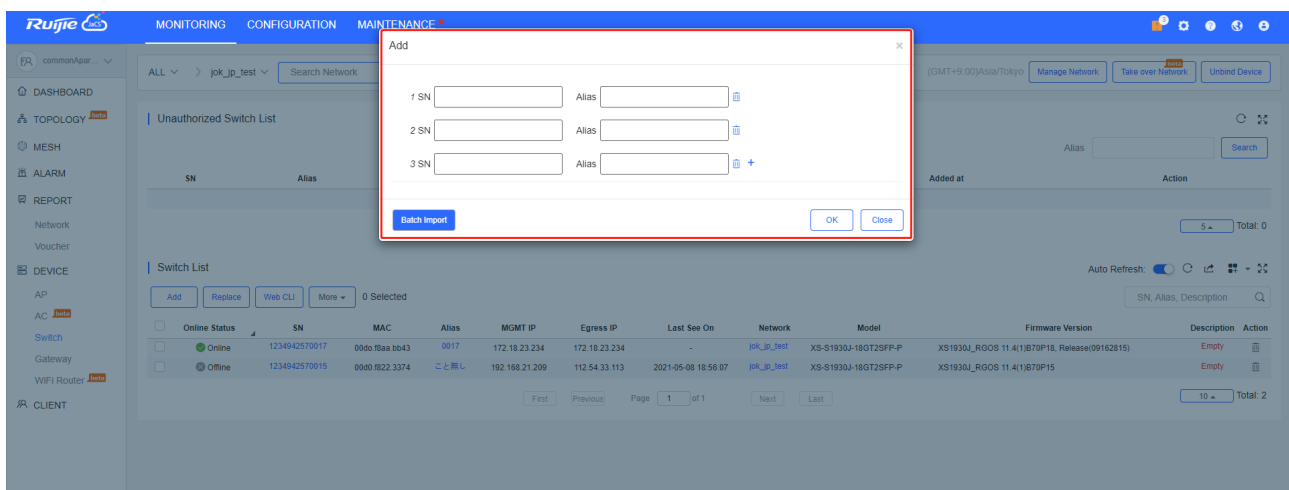
- Add Switch

Select the network, and click **Add**. Both batch import and manual add are supported.



Click **Download Template** to download the template, enter switch information, and click ***.xls* File** to import the template.

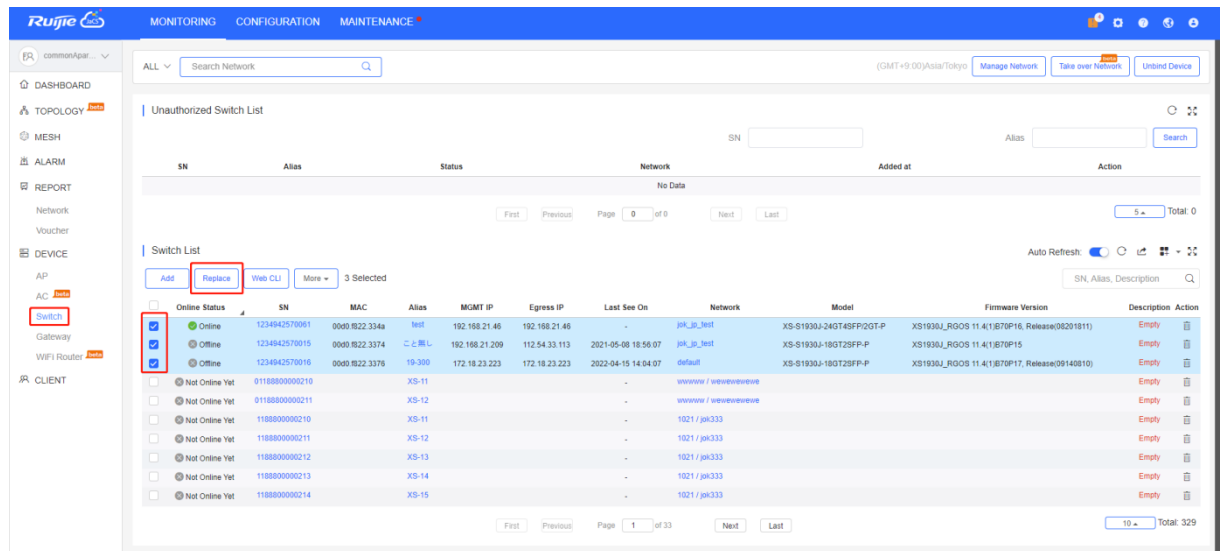
Click **Add a Device**, enter SN and alias of the switch, and click **OK**. Click **+** to add multiple switches.



● Replace Switch

The configuration of old device can be synced to the new device. After the new device goes online, the configuration file of the old device will be delivered.

Select an existing device.



Replace

Click

Select Config File

Device List

Batch Import Download Template

Replaced Device SN	New Device SN	New Device MAC	Config File
1234942570061	Enter SN	Please enter the MAC.	Select Config File
1234942570015	Enter SN	Please enter the MAC.	Select Config File
1234942570016	Enter SN	Please enter the MAC.	Select Config File

By default, the configuration file of the old device is the latest automatic configuration file, or you can select the history configuration file manually. The MAC of new device is required. The SN and the MAC of device should be consistent, and the models of old device and new device should be the same; otherwise, the replacement cannot be performed.

Download Template

To batch replace switches, click

to download the template and enter the device information.

	Replaced Device SN	New Device SN	MAC
1			
2			
3			
4			

Batch Import

Click

to import the template.

Select Config File

Device List

Batch Import

Download Template

Replaced Device SN	New Device SN	New Device MAC	Config File
1234942570061	SN0000001	abcd.1234.dcba	<div>Select Config File</div>
1234942570015	SN0000002	abcd.1235.dcba	<div>Select Config File</div>
1234942570016	SN0000003	abcd.1236.dcba	<div>Select Config File</div>

Select Config File

To replace the configuration with the configuration of an existing device, click

Select Config File

Current

Back up

1 Selected

File Name

Search

File Name	Time	Mode	Description	Action
<input type="radio"/> 1234942570061_1652849199866	2022-05-18 13:46:34	Manual	Empty	Details
<input checked="" type="radio"/> 1234942570061_1652845639321	2022-05-18 12:44:47	Manual	Empty	Details
<input type="radio"/> 1234942570061_1652845636091	2022-05-18 12:44:23	Manual	Empty	Details
<input type="radio"/> 1234942570061_1652796062986	2022-05-17 23:01:00	Auto	Empty	Details
<input type="radio"/> 1234942570061_1652761877237	2022-05-17 13:31:07	Auto	Empty	Details

First

Previous

Page 1 of 1

Next

Last

10 Total: 5

OK

Replace

Device List

Batch Import

Download Template

Replaced Device SN	New Device SN	New Device MAC	Config File
1234942570061	SN0000001	abcd.1234.dcba	1234942570001_165284 <div>Select Config File</div>
1234942570074	SN0000002	abcd.1235.dcba	1234942570074_165274 <div>Select Config File</div>
1234942570078	SN0000003	abcd.1236.dcba	1234942570078_165283 <div>Select Config File</div>

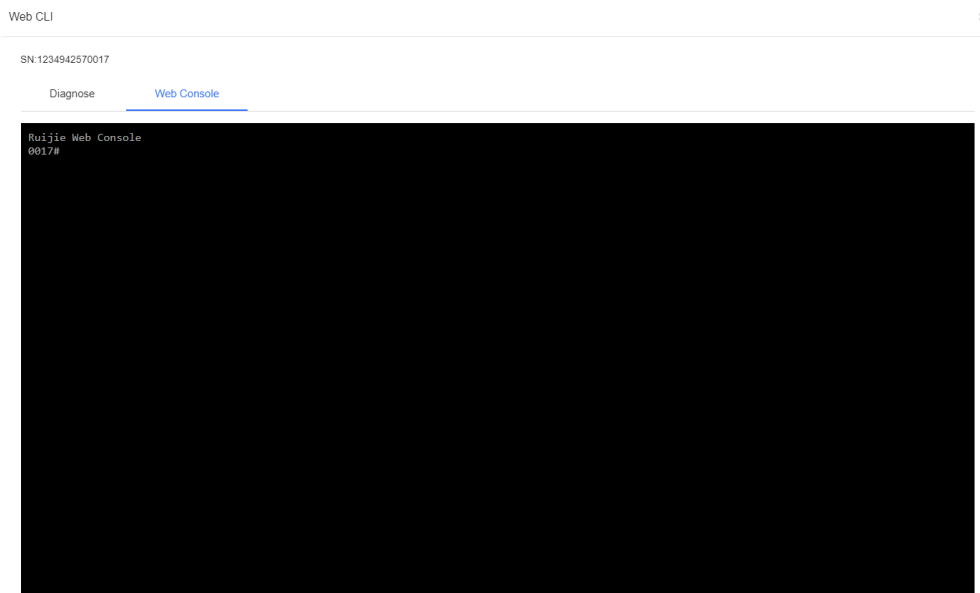
OK

Web CLI

Select one or multiple devices in the **Switch List**, and click **Web CLI**. The **Web CLI** dialog box is displayed, and device information can be queried via the menus in this dialog box. The menus vary with the products.

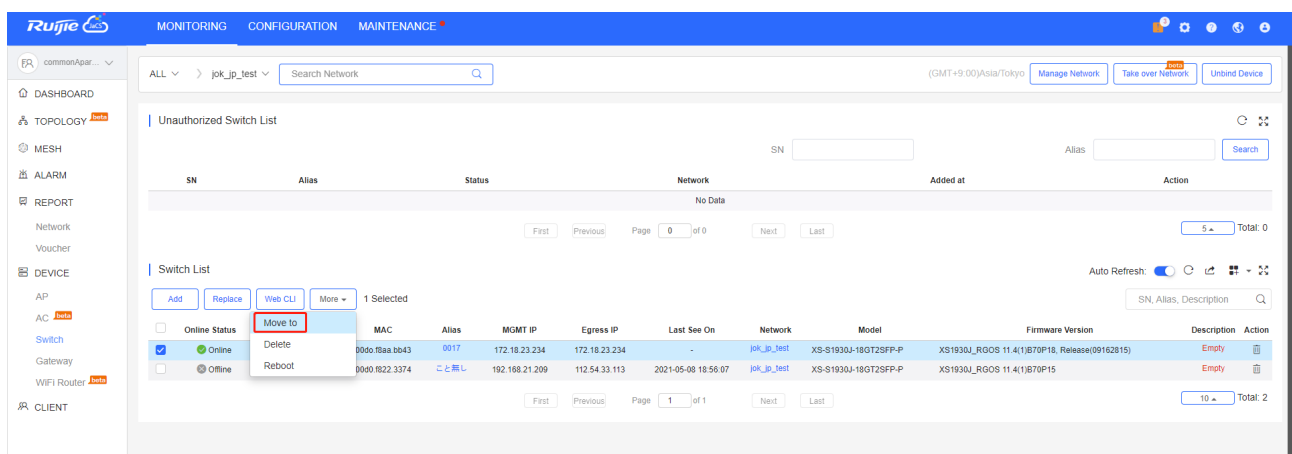


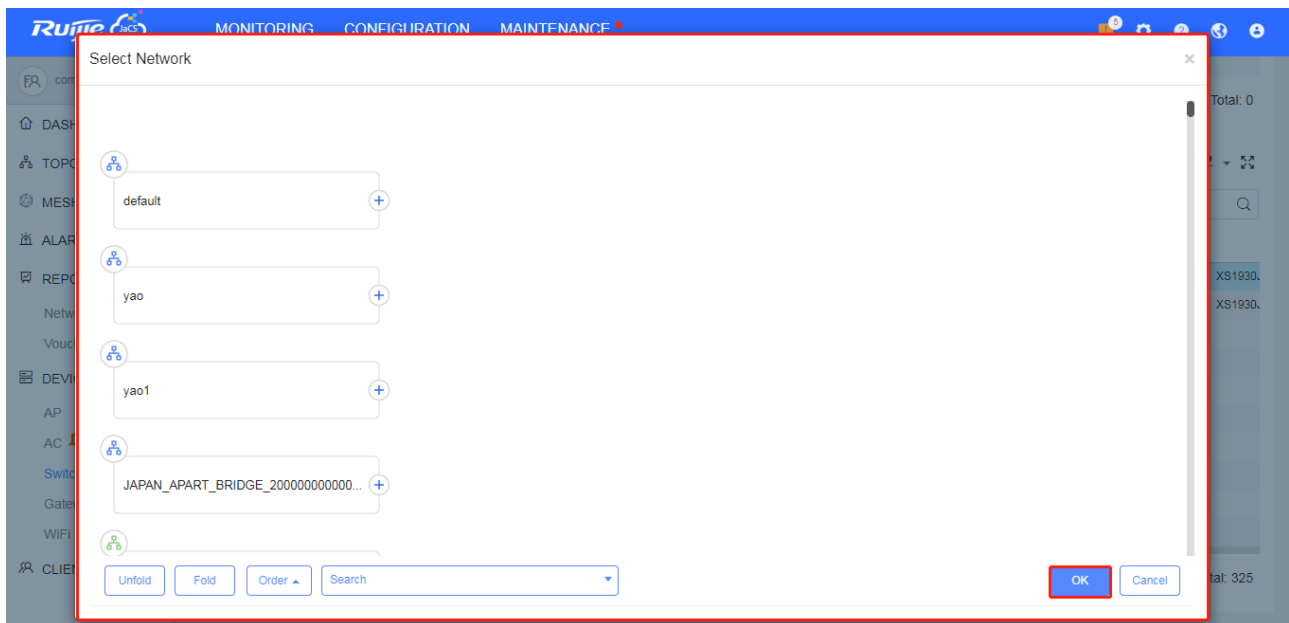
In addition, in the command entry box, the **TAB** key and question mark (?) both can complete a command.



- More > Move to

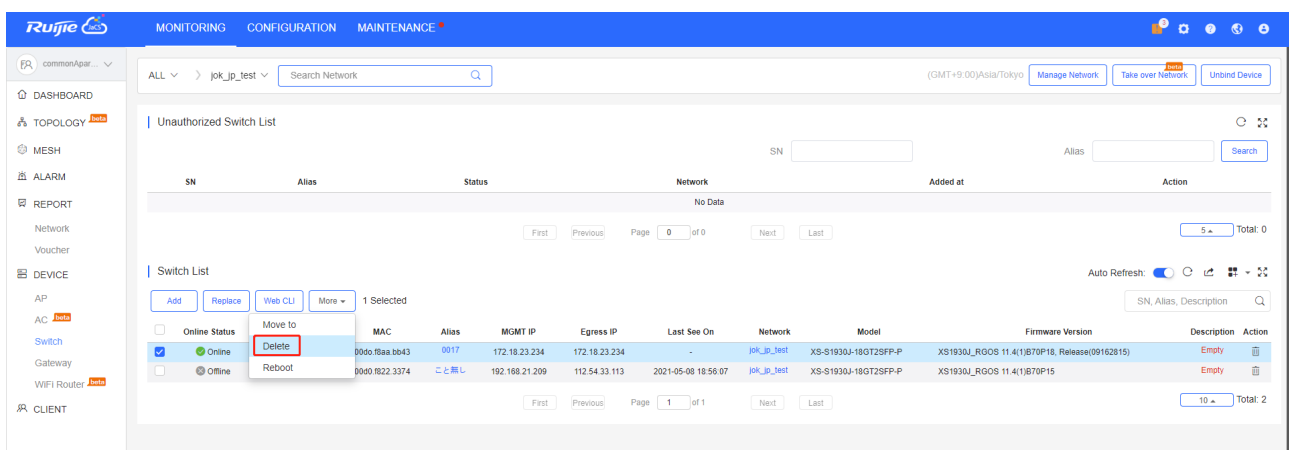
Select one or multiple devices in the **Switch List**, click **More > Move to**, select the new network and click **OK**.





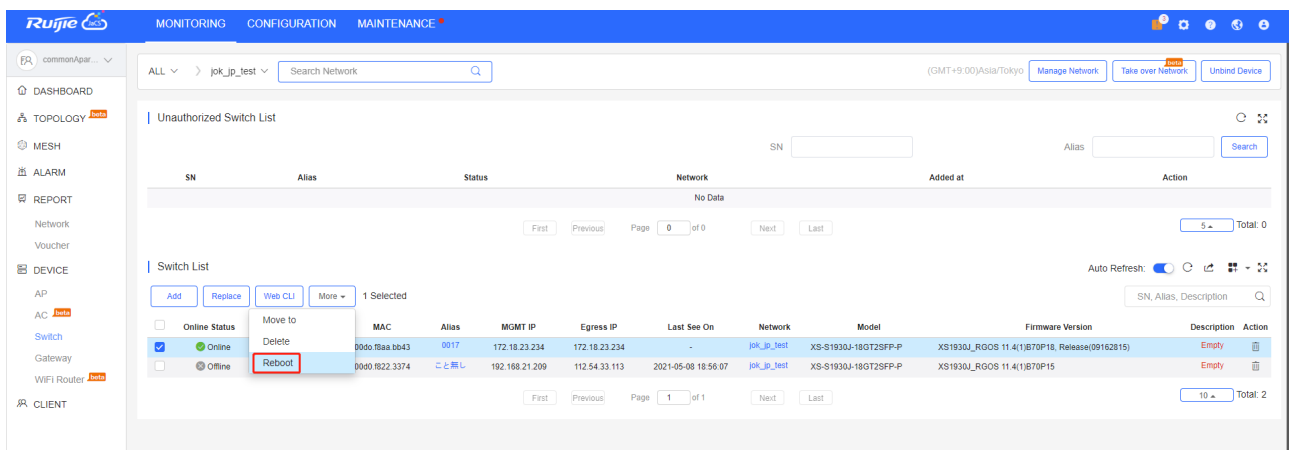
● More > Delete

Select one or multiple devices in the **Switch List**, click **More > Delete** and click **OK**.



● More > Reboot

Select one or multiple devices in the **Switch List**, and click **Reboot**.



5.6.4 Gateway

5.6.4.1 Gateway List

The **Gateway List** displays basic device information, including the online/offline status, SN, alias, management IP, MAC, egress IP, network, firmware version, offline time, model and description.

The screenshot shows the Ruijie Gateway List interface. The main table displays the following data:

SN	Alias	Status	Network	Added at	Action
DEFAULTEG042701		Waiting for device to go online	default	2021-04-28 00:17:37	Re-authorize Delete
DEFAULTEG042702		Waiting for device to go online	default / default_sub1	2021-04-28 00:49:27	Re-authorize Delete
DEFAULTEGS042701		Waiting for device to go online	default / default_sub1	2021-04-28 01:34:51	Re-authorize Delete
TESTXXXXXEG042801	GWWW	Waiting for device to go online	JP_V1.2_1_DISABLE_エスリード...	2021-06-07 20:19:54	Re-authorize Delete
HOTELEG042701	GWWW	Waiting for device to go online	JP_V1.1.3_HOTEL_あいうえおこ...	2021-04-28 00:57:52	Re-authorize Delete

The highlighted 'Gateway List' sub-section shows the following data:

Online Status	SN	Alias	MGMT IP	MAC	Egress IP	Network	Firmware Version	Last See On	Model	DescriptionAction
Offline	H1MSCOM000147	GWWW	192.168.21.95	8005.8867.edd6	192.168.21.95	JP_V1.3.3_hotel_あいうえおこけく_@_main_edt	EG_RGOS 11.9(1)B1153	2021-11-09 15:49:07	EQ2100-P	Empty
Not Online Yet	12345678901234562	Empty				JP_V1.3.3_hotel_ac_あいうえおこけく_@_main				Empty

The **Gateway List** automatically refreshes every minute. Click **Auto Refresh:** to enable/disable the auto refresh function.

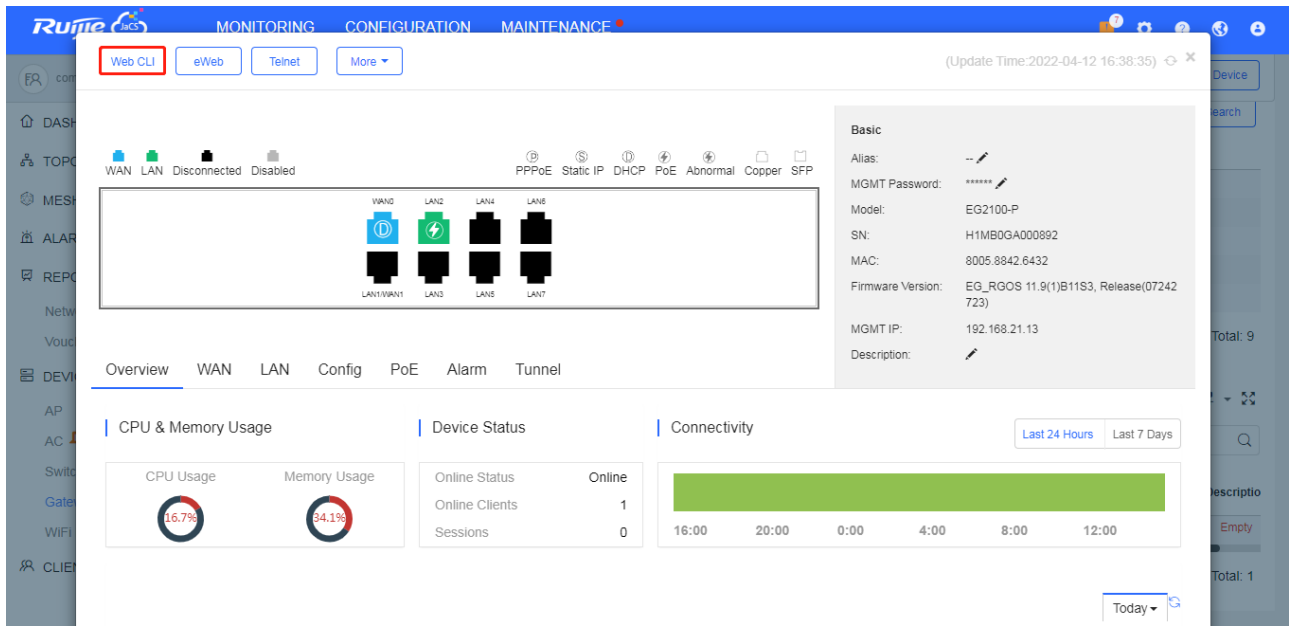
Above the list are the **Add Gateway**, **Web CLI** and **eWeb** functions. Click **More** to display the **Move to**, **Reboot**, **Tunnel** and **Delete** functions. For more information, refer to **Basic Gateway Operations**.

The **Search** function supports fuzzy queries based on the serial number, alias and description, and also supports queries based on online/offline status.

5.6.4.2 Device Details

● Web CLI

Click **Web CLI**, and the **Web CLI** page is displayed. The **Web CLI** page provides commonly-used CLI commands on the left. Click the command, or manually enter the command and click **Send**.



Web CLI

SN:H1MB0GA000892

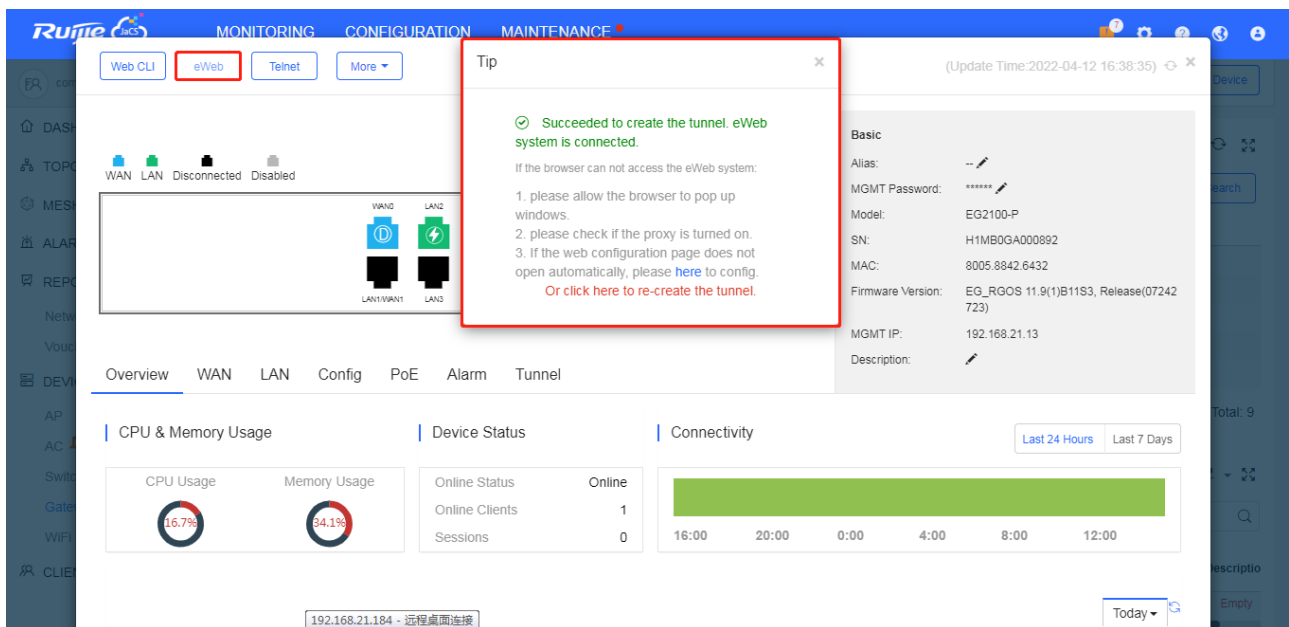
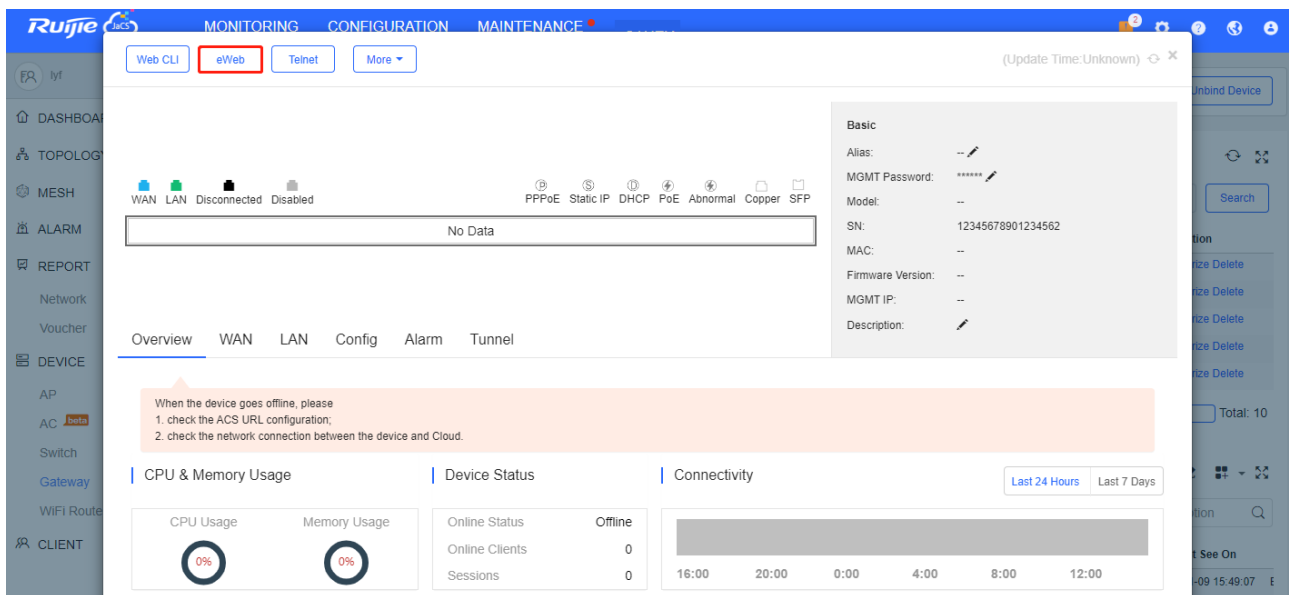
Diagnose

Web Console

```
Ruijie Web Console
12#
```

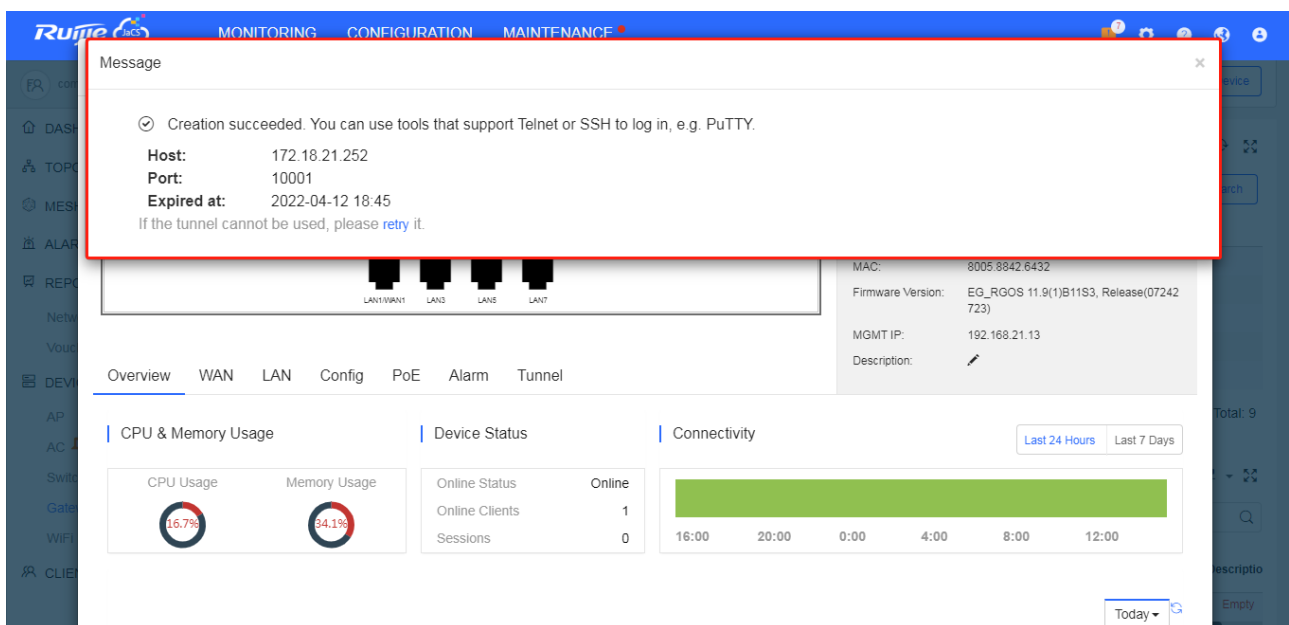
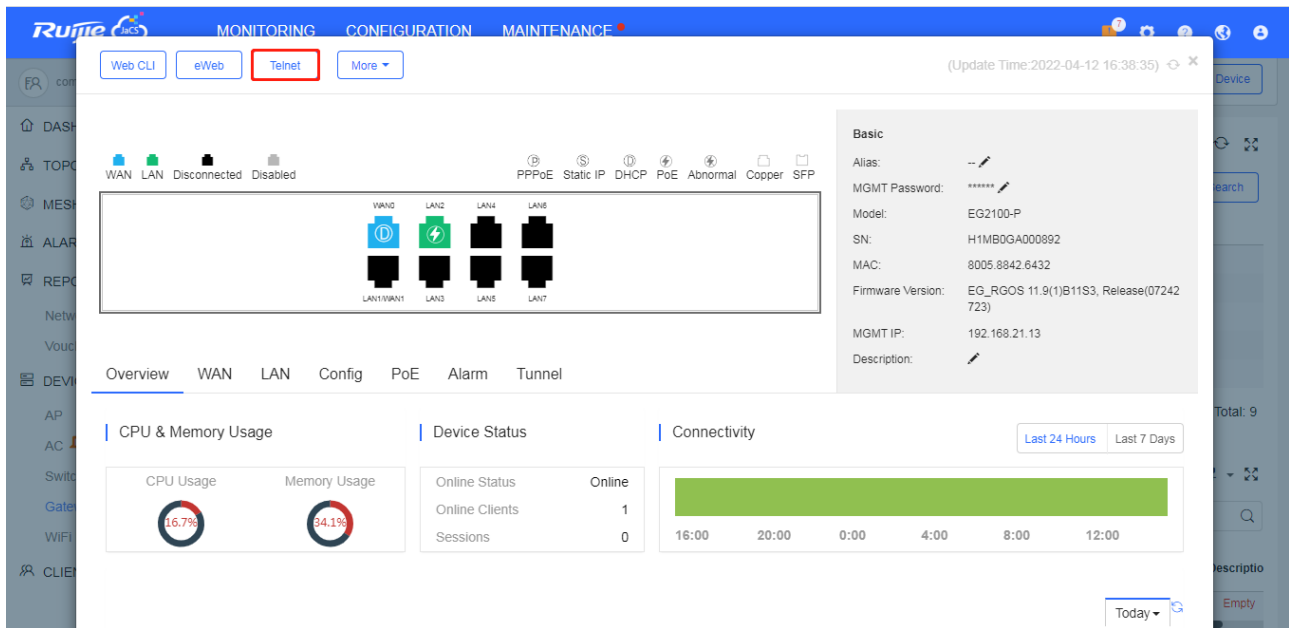
● eWeb

Click **eWeb** to open the eWeb system in a new window.



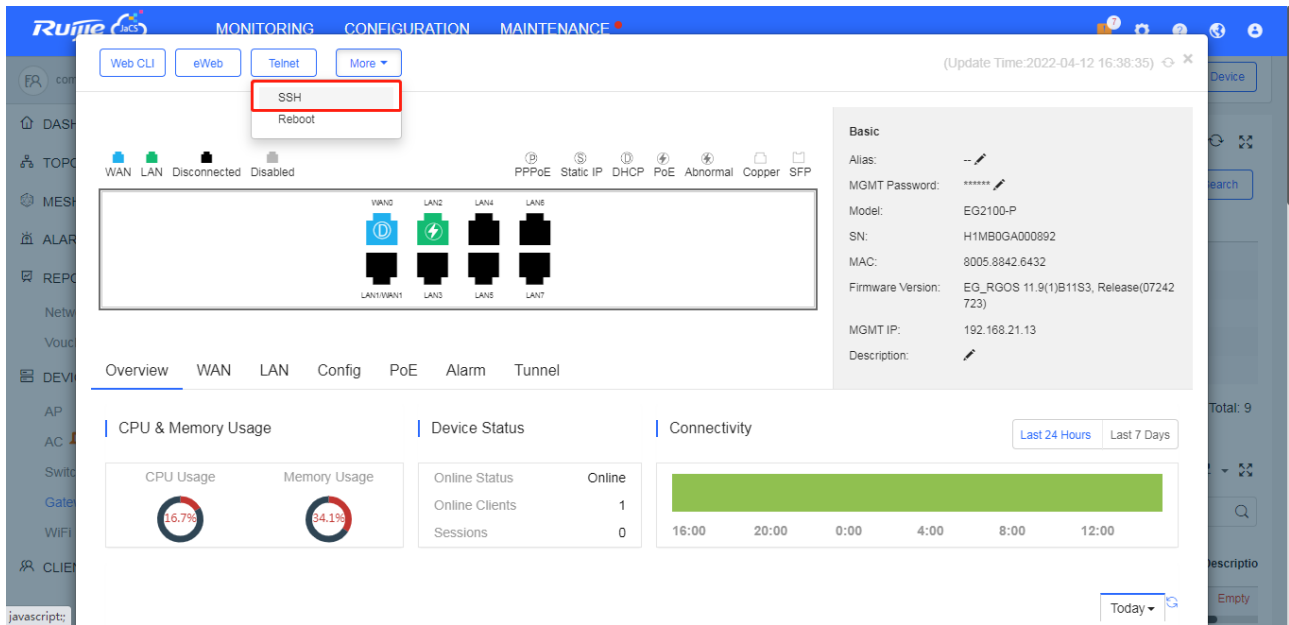
Telnet

Click **Telnet**, and a window is opened to connect to the gateway by Telnet protocol. Enter CLI commands to configure the gateway.



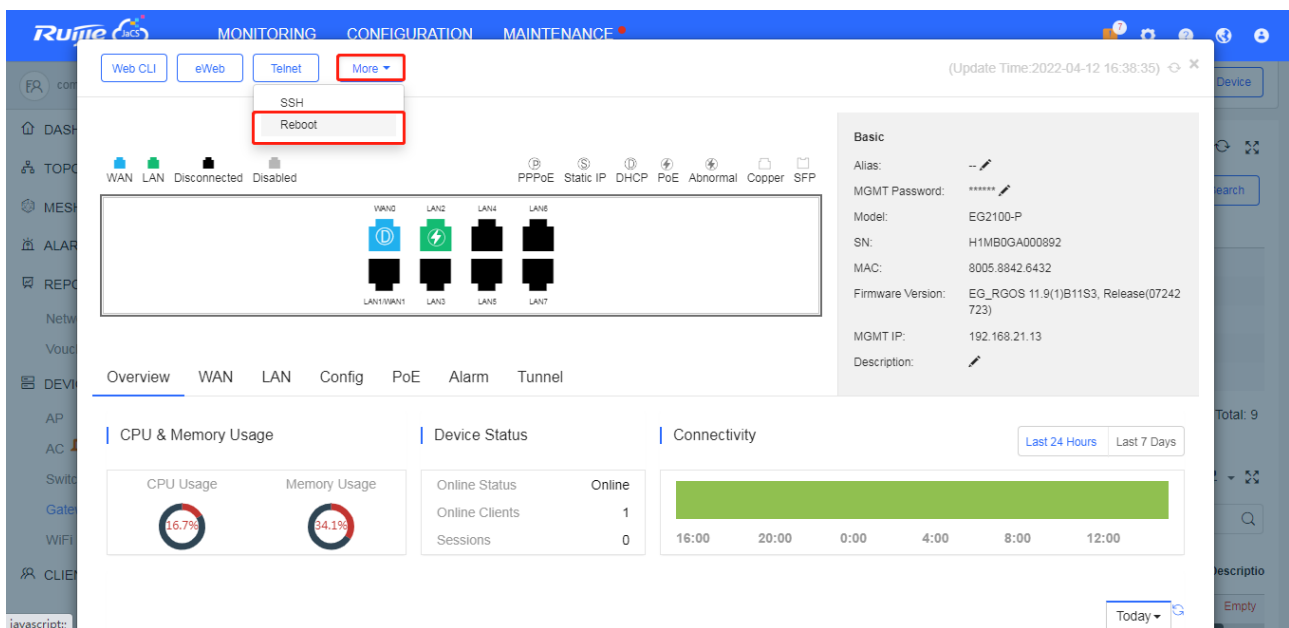
● More > SSH

Click **More > SSH**, and a window is opened to connect to the gateway by SSH protocol. Use other SSH tools to connect to the gateway.




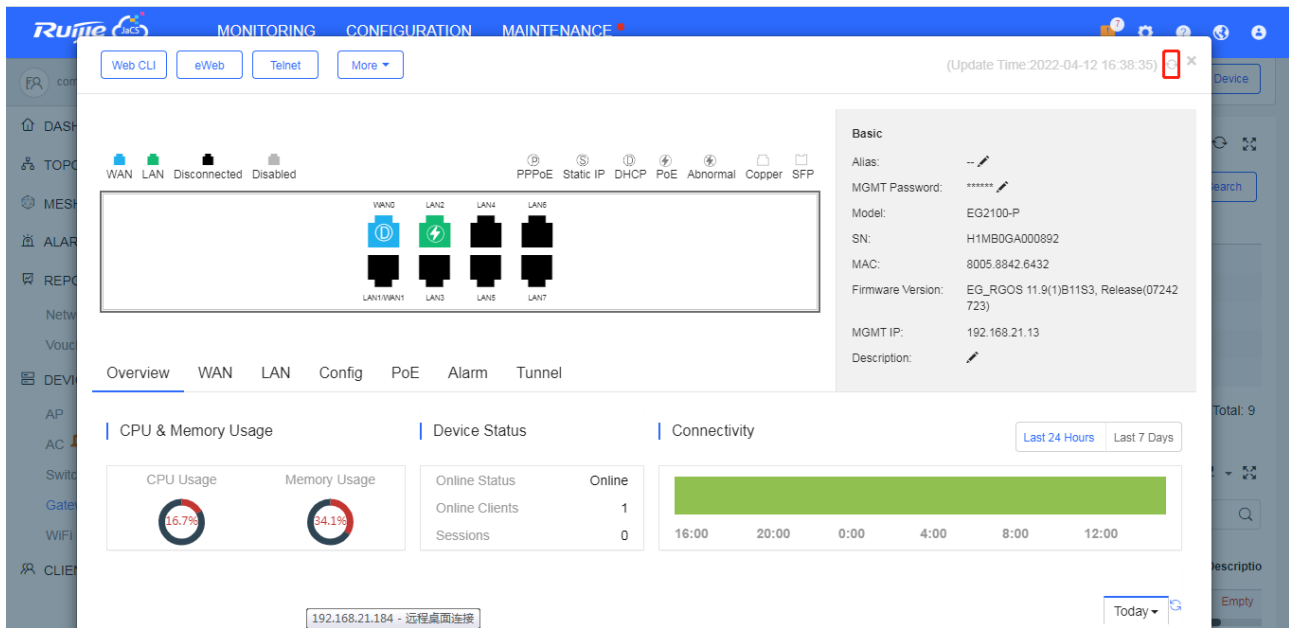
- More > Reboot

Click **More > Reboot** to restart the gateway.



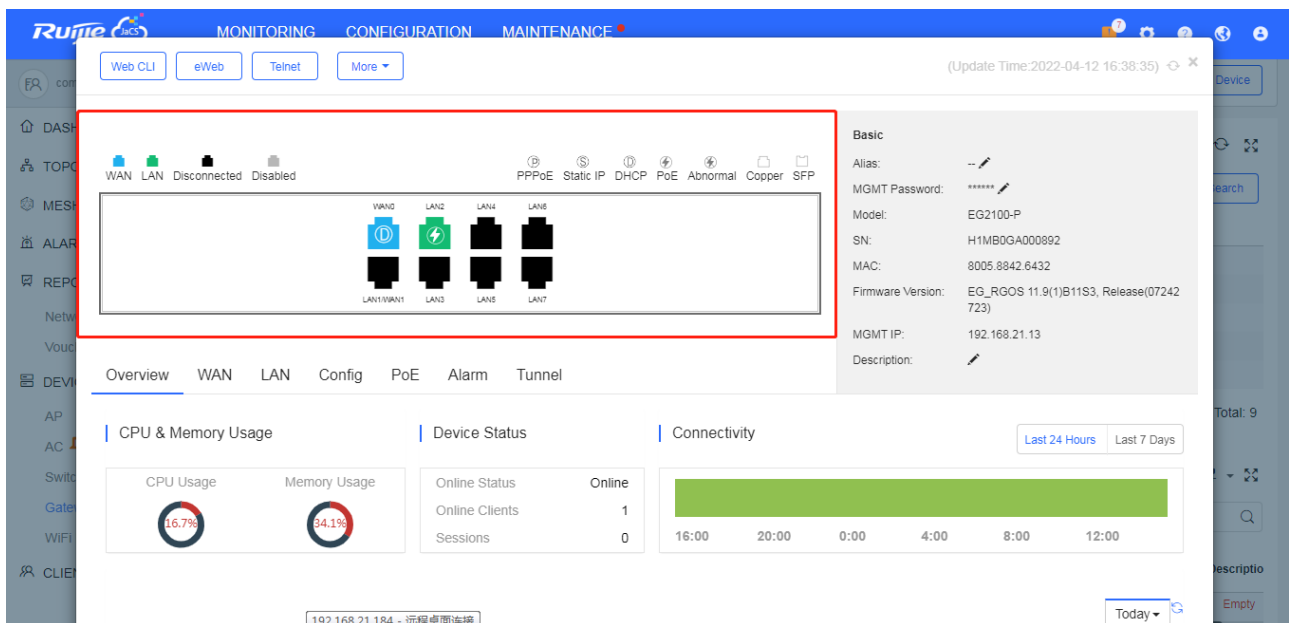
- Refresh

Click  to refresh all data in the page.



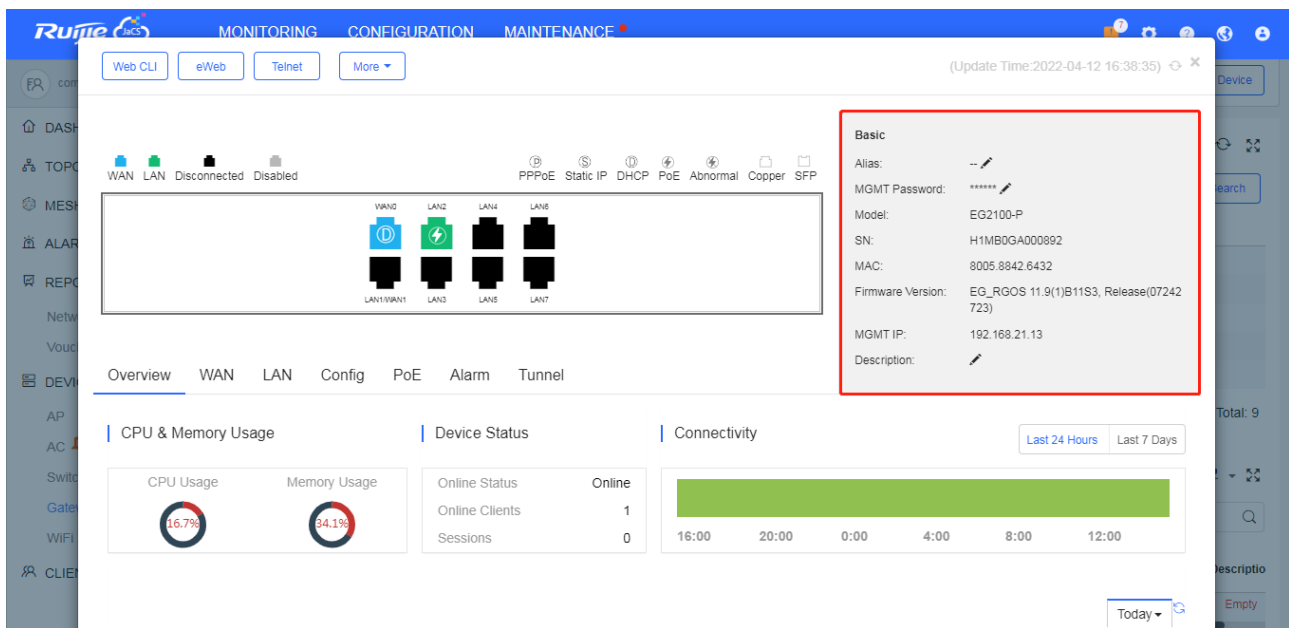
Port Panel

The port panel imitates the actual gateway panel, displaying the port type and status.



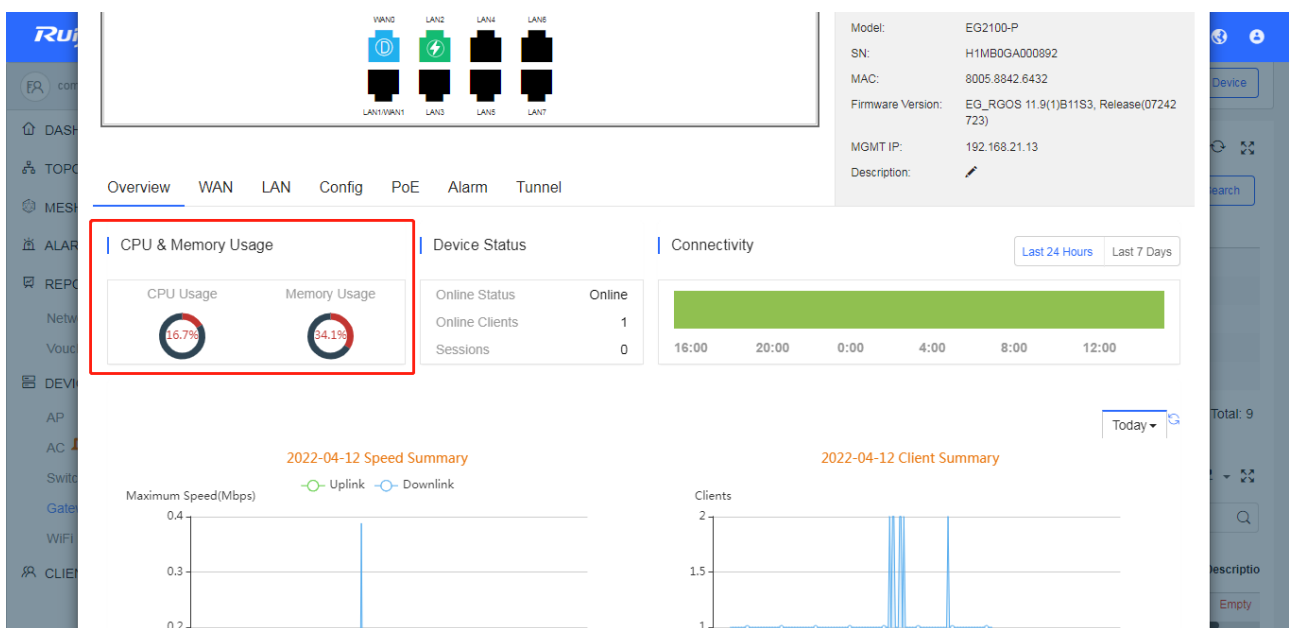
Basic

Basic information includes the alias, model, SN and other information. **Alias**, **MGMT Password** and **Description** can be edited.



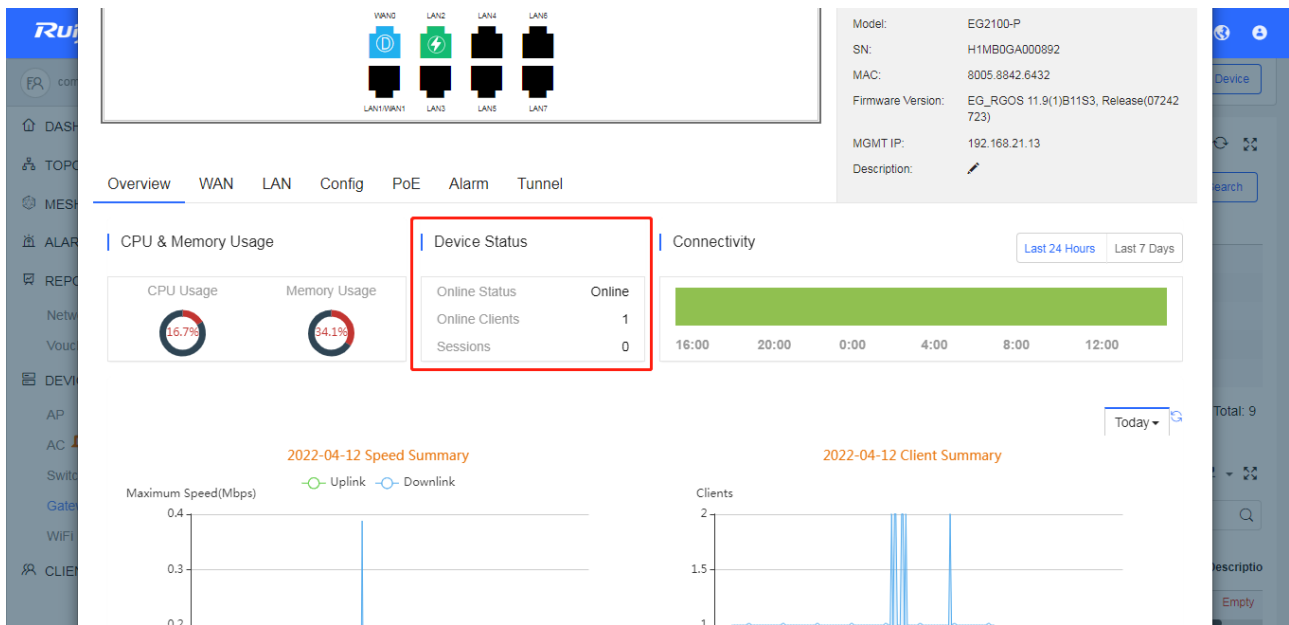
● Overview > CPU & Memory Usage

CPU & memory usage are displayed here.



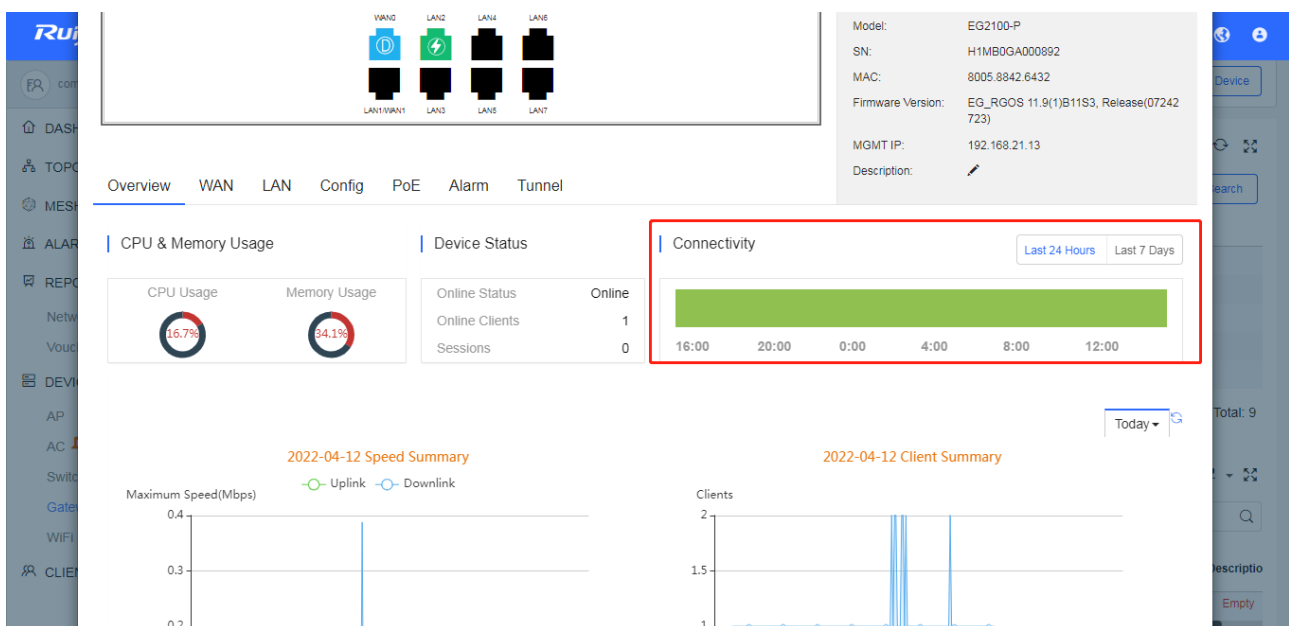
● Overview > Device Status

Device status includes online status, online clients and sessions.



● Overview > Connectivity

Connectivity refers to the connectivity (online status) between Gateway and Cloud Service within a period (1 day or 7 days).



● Overview > Speed Summary

The uplink/downlink speed summary over the 24 hours is displayed.



● Overview > Client Summary

The client statistics over the 24 hours are displayed.



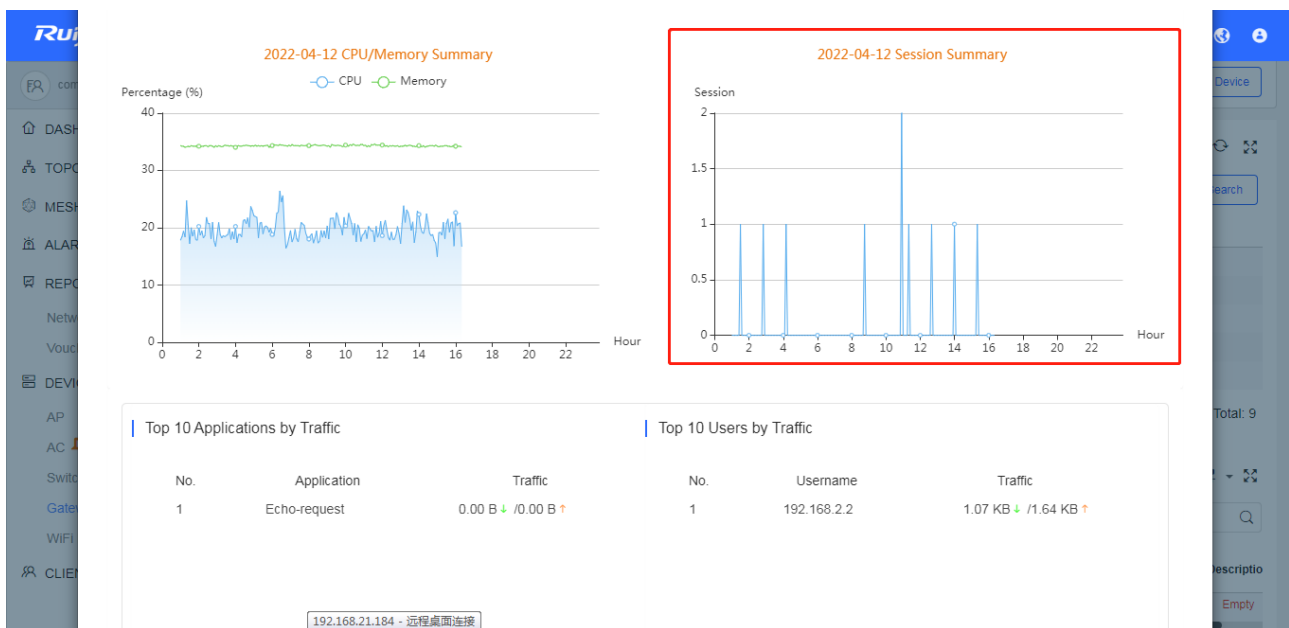
● Overview > CPU/Memory Summary

CPU/memory summary over the 24 hours are displayed.



● Overview > Session Summary

Session summary over the 24 hours is displayed.



● Overview > Top 10 Applications by Traffic

Top 10 applications by downlink traffic are displayed.

Top 10 Applications by Traffic

No.	Application	Traffic
1	Echo-request	0.00 B ↓ / 0.00 B ↑

Top 10 Users by Traffic

No.	Username	Traffic
1	192.168.2.2	1.07 KB ↓ / 1.64 KB ↑

Log Record

Device Log Config Log

All Search

Type	Updated at	Content
Reboot	2022-04-08 12:09:22	Device First connect to MACC or MACC address change
Online/Offline	2022-04-08 12:07:55	Device goes online for the first time

First Previous Page 1 of 1 Next Last 10 Total: 2

● Overview > Top 10 Users by Traffic

Top 10 users by downlink traffic are displayed.

Top 10 Applications by Traffic

No.	Application	Traffic
1	Echo-request	0.00 B ↓ / 0.00 B ↑

Top 10 Users by Traffic

No.	Username	Traffic
1	192.168.2.2	1.07 KB ↓ / 1.64 KB ↑

Log Record

Device Log Config Log

All Search

Type	Updated at	Content
Reboot	2022-04-08 12:09:22	Device First connect to MACC or MACC address change
Online/Offline	2022-04-08 12:07:55	Device goes online for the first time

First Previous Page 1 of 1 Next Last 10 Total: 2

● Overview > Device Log

The device log records the historical operations, including online/offline, restart, upgrade and VLAN change, and supports queries based on log type and time.

Log Record

Device Log Config Log

All Search

Type	Updated at	Content
Reboot	2022-04-08 12:09:22	Device First connect to MACC or MACC address change
Online/Offline	2022-04-08 12:07:55	Device goes online for the first time

First Previous Page 1 of 1 Next Last

10 Total: 2

● Overview > Config Log

The Config log records the historical configuration delivery, and supports queries based on status and time.

Config Log

Device Log Config Log

Search

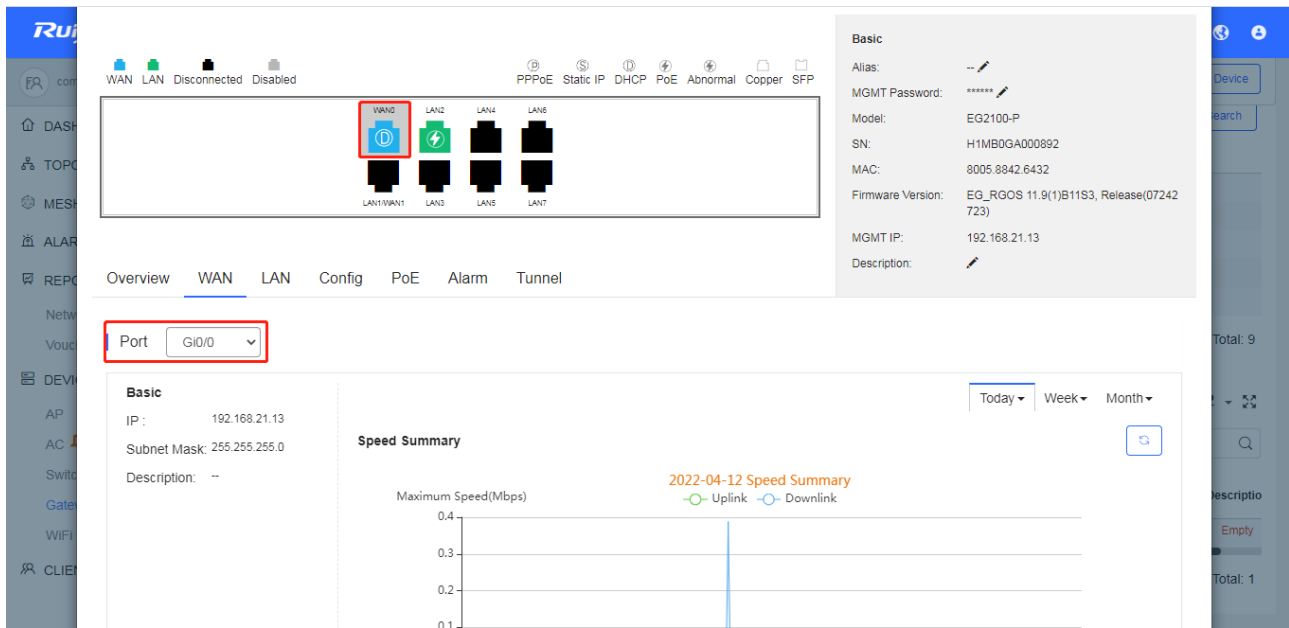
Operation Type	Started at	Ended at	Status	Description	Details
Initial online of the device	2022-04-08 12:09	2022-04-08 12:10	Succeeded	Device: H1MB0GA000892	
Device first online	2022-04-08 12:07	2022-04-08 12:08	Succeeded	Device: H1MB0GA000892	

First Previous Page 1 of 1 Next Last

10 Total: 2

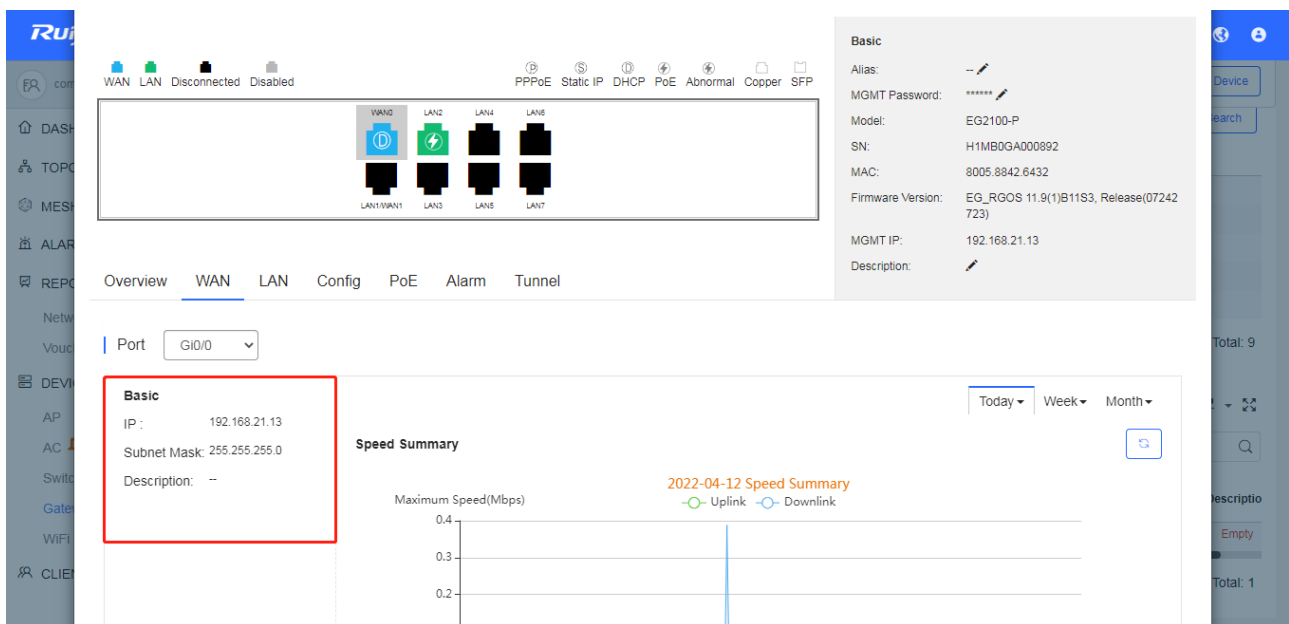
● WAN > Port

Select one WAN port to display the corresponding port information and rate summary.



● WAN > Basic

Basic information includes the IP, subnet mask and description. If PPPoE is enabled and dialing port is configured, the PPPoE information is displayed.



PPPoE

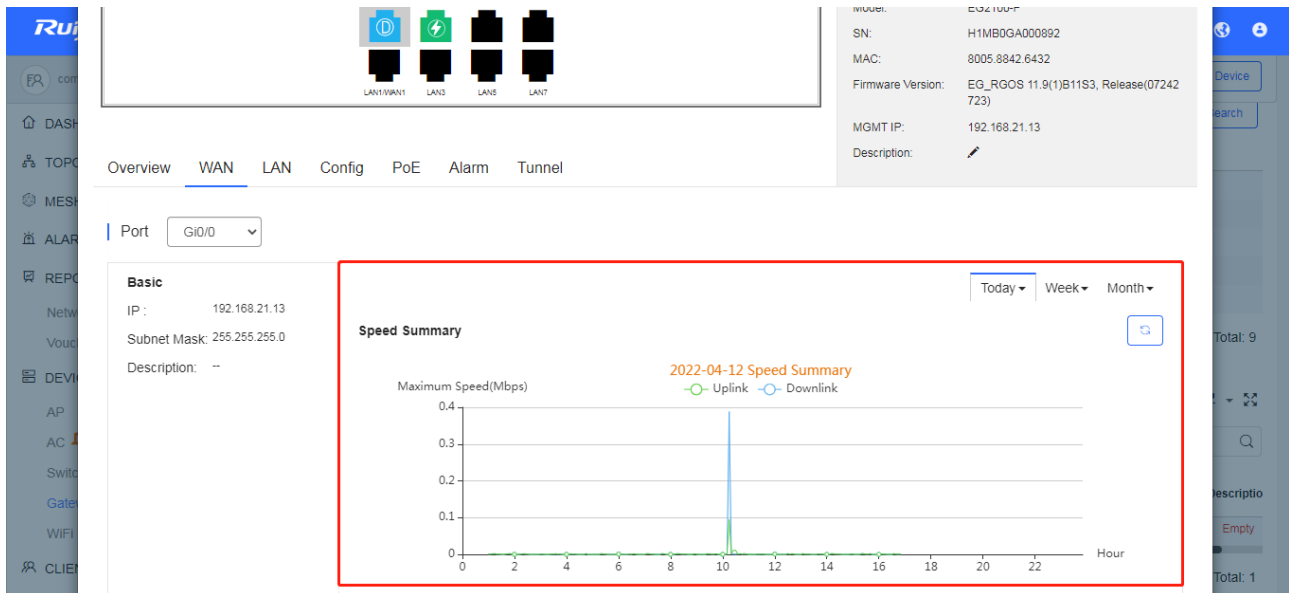
Port: di2
 IP Type: adsl
 Uplink Bandwidth: --
 Downlink Bandwidth: --

● WAN > Speed Summary

Uplink & downlink rate of WAN port are displayed. This page supports queries based on day, week and month. Click



to refresh the summary.



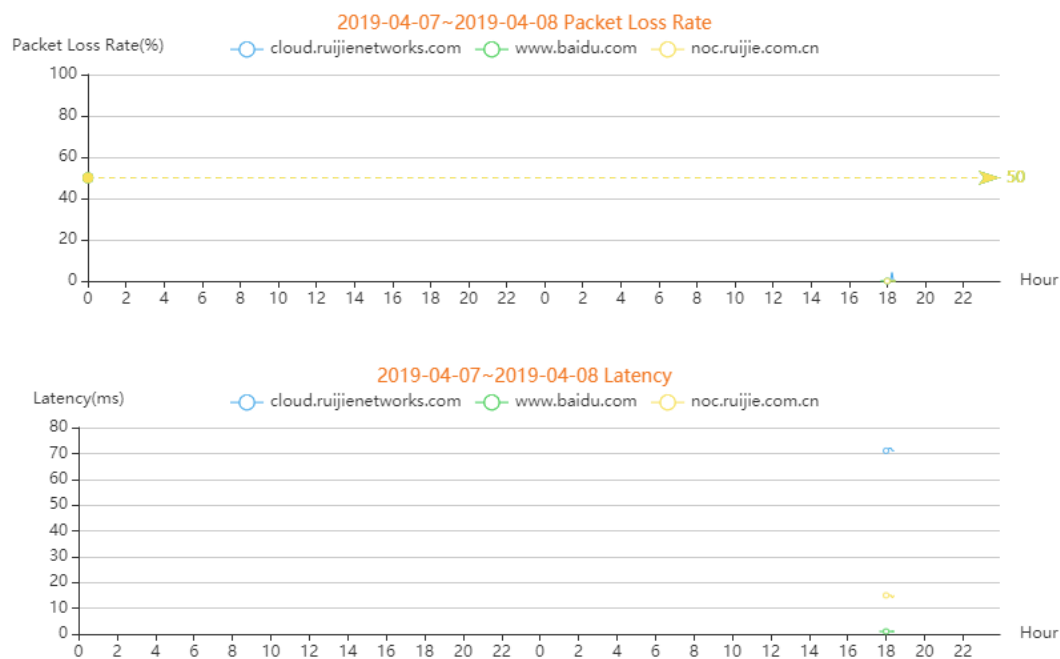
● WAN > Port Status

Packet loss rate and latency summary are displayed. This page supports queries based on day, week and month. Click



to refresh the summary.

Port Status(Only daily summary is supported)



● LAN > Port

Select a LAN port to display the corresponding information of its switch port, routed port and subinterface.

Overview WAN LAN Config PoE Alarm Tunnel

Port: LAN 2 (This port belongs to Gi0/2)

Switch Port (LAN 2)

Duplex: Full
Speed: 1000M

Routed Port (Gi0/2)

IP: 192.168.1.1
Subnet Mask: 255.255.255.0
LAN: LAN 1 LAN 2 LAN 3 LAN 4 LAN 5 LAN 6 LAN 7
Description: --

Subinterface (Gi0/2)

Name	IP	VLAN
Gi0/2.1	192.168.2.1	2
Gi0/2.2	192.168.3.1	3

First Previous Page 1 of 1 Next Last 10 Total: 2

Basic

Alias: GWWW
MGMT Password: *****
Model: EG2100-P
SN: H1MSCOM000147
MAC: 8005.8867.edd6
Firmware Version: EG_RGOS 11.9(1)B11S3
MGMT IP: 192.168.21.95
Description: --

LAN > Switch Port

Switch port information includes the switch port, including duplex and rate.

Overview WAN LAN Config PoE Alarm Tunnel

Port: LAN 2 (This port belongs to Gi0/2)

Switch Port (LAN 2)

Duplex: Full
Speed: 1000M

Routed Port (Gi0/2)

IP: 192.168.1.1
Subnet Mask: 255.255.255.0
LAN: LAN 1 LAN 2 LAN 3 LAN 4 LAN 5 LAN 6 LAN 7
Description: --

Subinterface (Gi0/2)

Name	IP	VLAN
Gi0/2.1	192.168.2.1	2
Gi0/2.2	192.168.3.1	3

First Previous Page 1 of 1 Next Last 10 Total: 2

Basic

Alias: GWWW
MGMT Password: *****
Model: EG2100-P
SN: H1MSCOM000147
MAC: 8005.8867.edd6
Firmware Version: EG_RGOS 11.9(1)B11S3
MGMT IP: 192.168.21.95
Description: --

LAN > Routed Port

Routed port information includes the IP address, subnet mask, LAN and description.

Basic

Alias: GWWW

MGMT Password: *****

Model: EG2100-P

SN: H1MSC0M000147

MAC: 8005.8867.edd5

Firmware Version: EG_RGOS 11.9(1)B11S3

MGMT IP: 192.168.21.95

Description:

Overview WAN LAN Config PoE Alarm Tunnel

Port: LAN 2 (This port belongs to Gi0/2)

Switch Port (LAN 2)

Duplex: Full

Speed: 1000M

Routed Port (Gi0/2)

IP: 192.168.1.1

Subnet Mask: 255.255.255.0

LAN: LAN 1, LAN 2, LAN 3, LAN 4, LAN 5, LAN 6, LAN 7

Description: --

Subinterface (Gi0/2)

Name	IP	VLAN
Gi0/2.1	192.168.2.1	2
Gi0/2.2	192.168.3.1	3

First Previous Page 1 of 1 Next Last

10 Total: 2

LAN > Subinterface

Subinterface information includes the name, IP address, and VLAN.

Model: EG2100-P

SN: H1MB0GA000892

MAC: 8005.8842.6432

Firmware Version: EG_RGOS 11.9(1)B11S3, Release(07242 723)

MGMT IP: 192.168.21.13

Description:

Overview WAN LAN Config PoE Alarm Tunnel

Port: LAN 2 (This port belongs to Gi0/2)

Switch Port (LAN 2)

Duplex: Full

Speed: 1000M

Routed Port (Gi0/2)

IP: 192.168.2.1

Subnet Mask: 255.255.255.0

LAN: LAN 1, LAN 2, LAN 3, LAN 4, LAN 5, LAN 6, LAN 7

Description: --

Subinterface (Gi0/2)

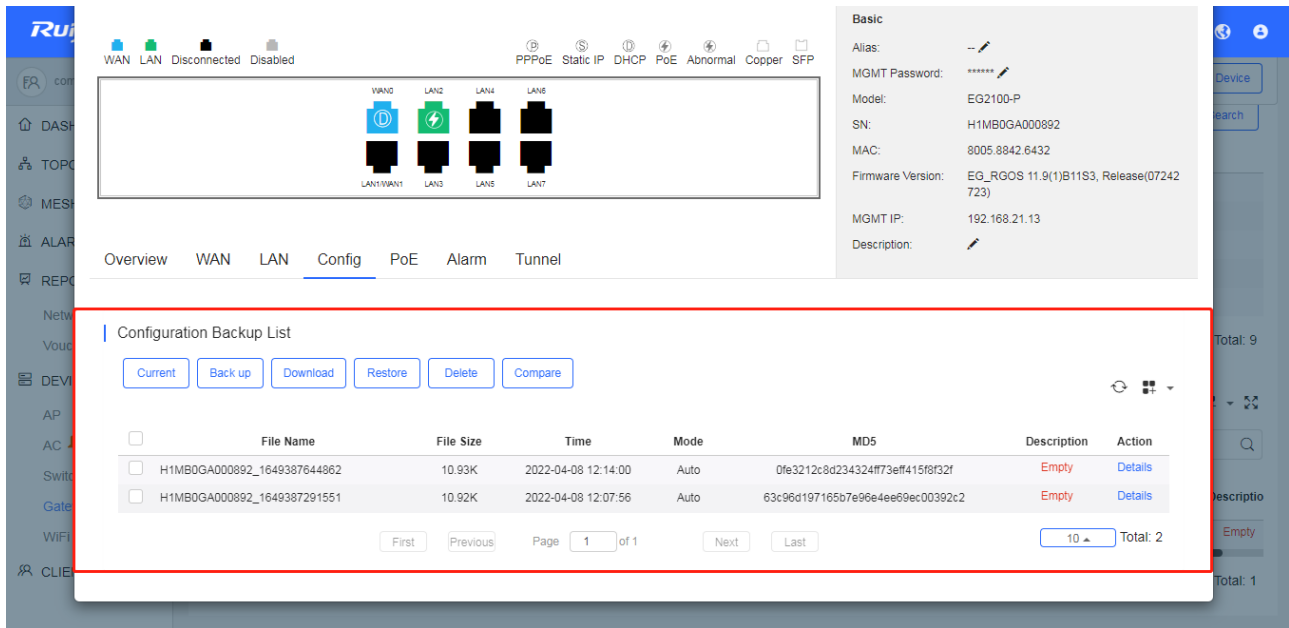
Name	IP	VLAN
No Data		

First Previous Page 0 of 0 Next Last

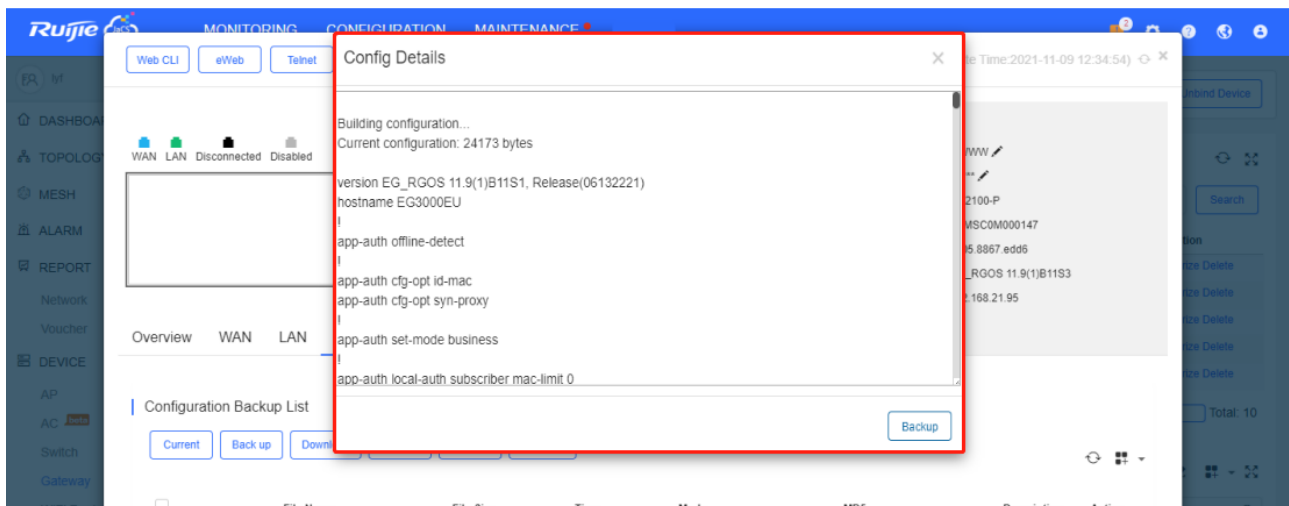
10 Total: 0

Config > Configuration Backup List

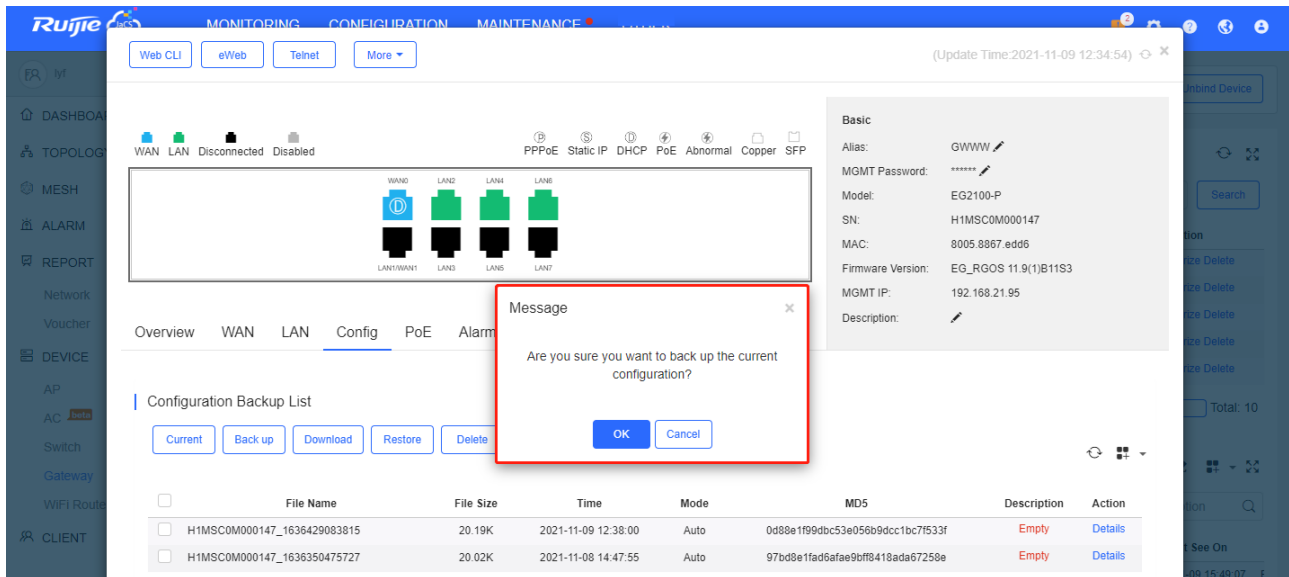
The backup records include configuration file name, size, time, mode and MD5.



Click **Current** to display the current configuration. Click **Back up** in the **Config Details** page to back up the current configuration.



Click **Back up** and then click **OK** in the message box to back up the current configuration.

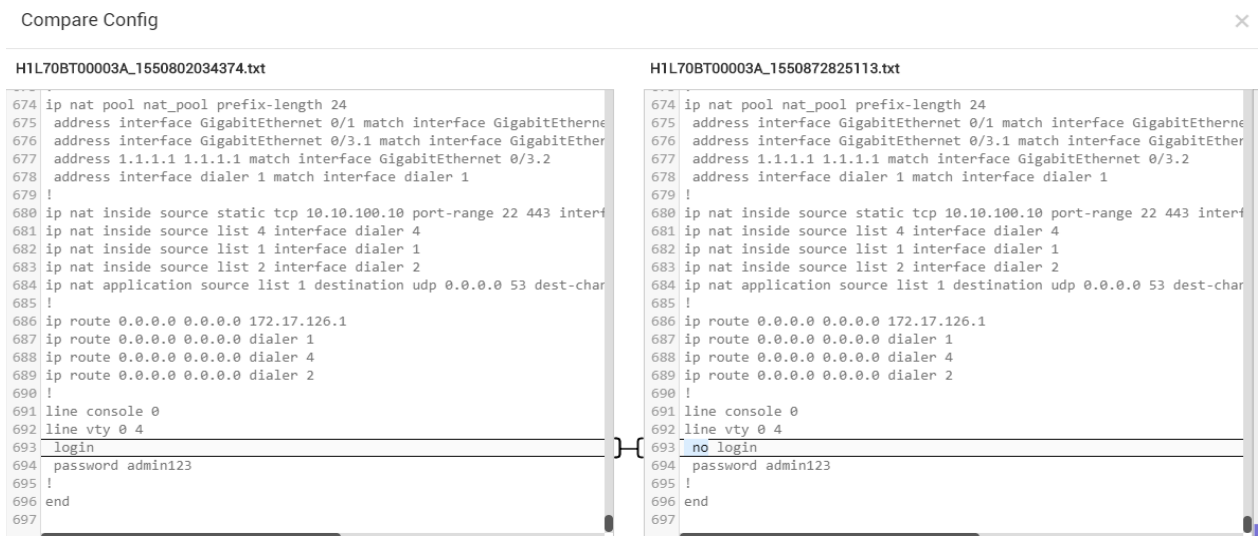


Select one record, and click **Download** to download the configuration file.

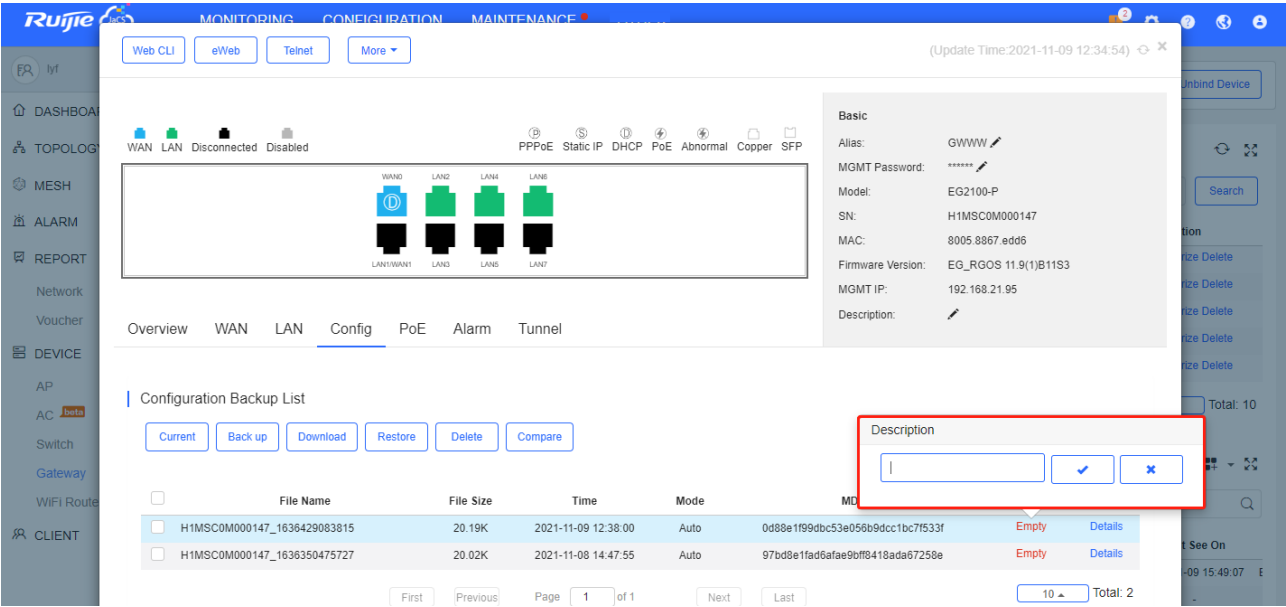
Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences

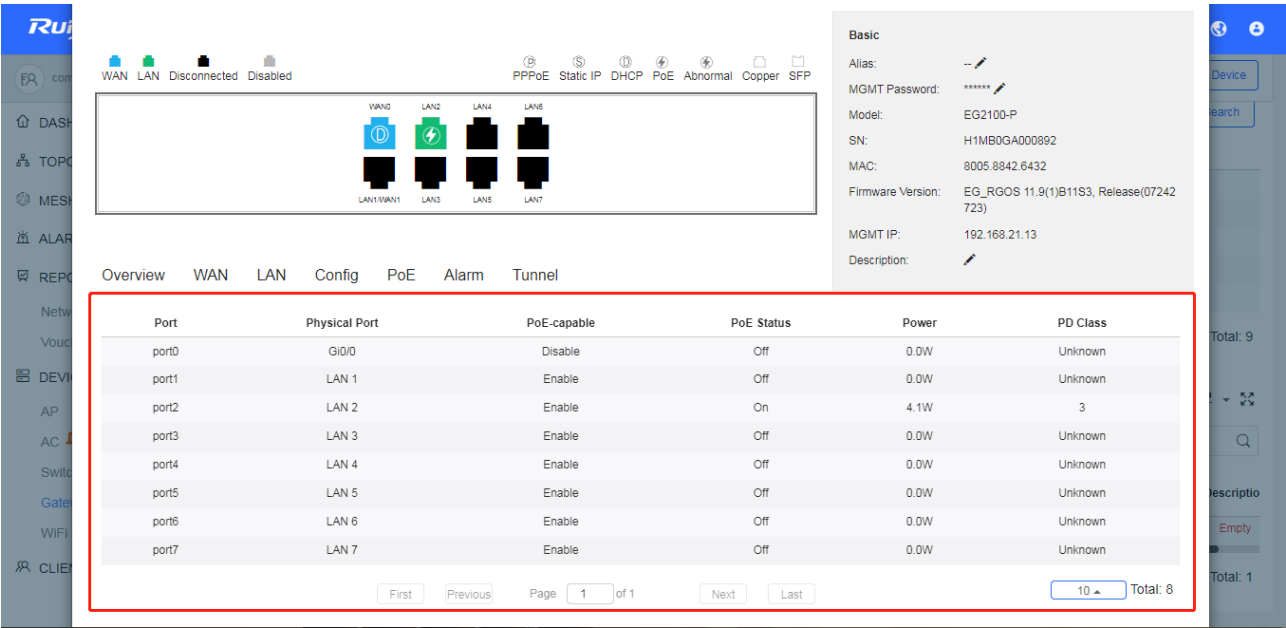


Description can be edited. Click **Details** in the **Action** column to check the backup configuration.



PoE > PoE List

PoE configuration includes the port, physical port, PoE-capable, PoE status, power and PD class.



Alarm

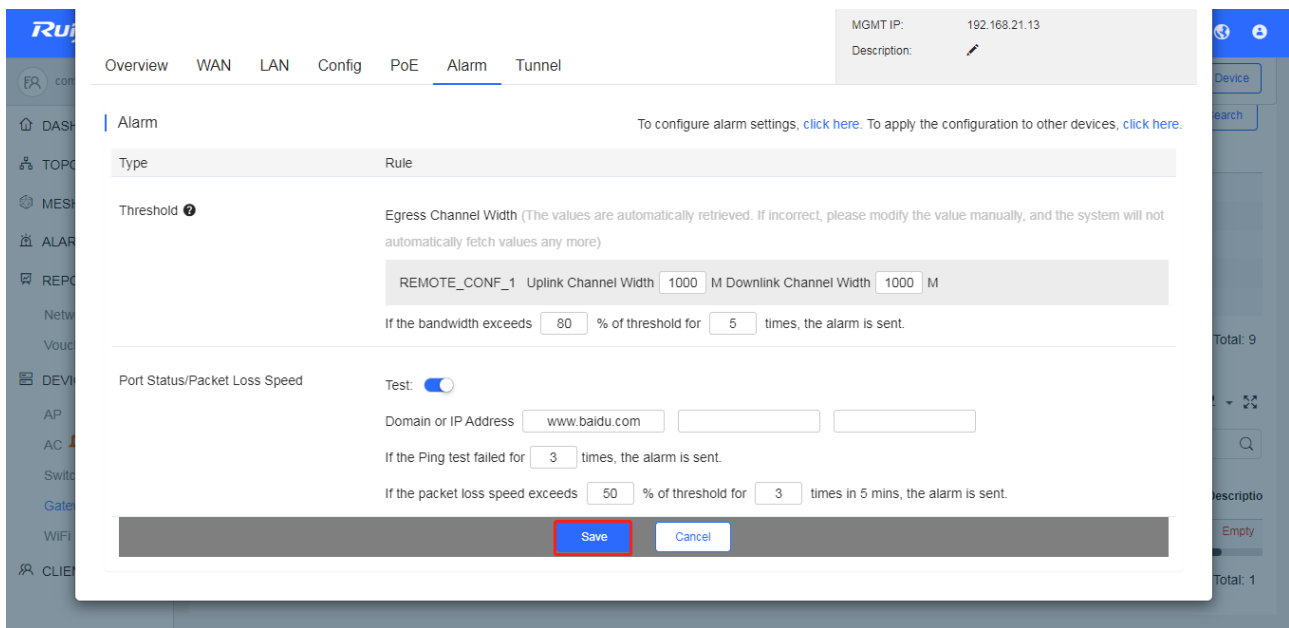
Insufficient bandwidth: When the bandwidth exceeds the specified percentage of threshold for several times, the alarm is sent. The threshold, times and percentage can be configured manually.

Ping failure: When the Ping test failed for the specified times, the alarm is sent. The times and domain/IP address can be configured manually.

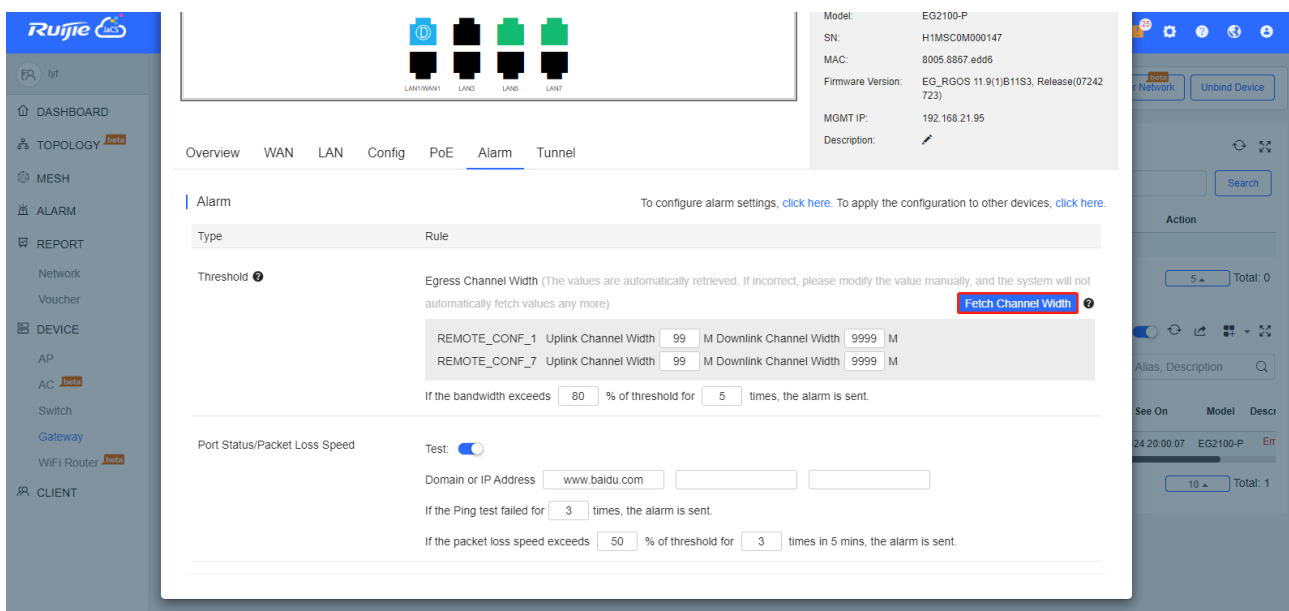
High packet loss rate: When the packet loss rate exceeds the specified percentage of threshold for several times in 5 minutes, the alarm is sent. The times and threshold can be configured manually.

Besides, the corresponding alarm should be enabled in the **Alarm Settings** page. For insufficient bandwidth, the alarm types are **Uplink rate above threshold on gateway** and **Downlink rate above threshold on gateway**; for Ping failure, the alarm type is **Abnormal network access on gateway**; and for high packet loss rate, the alarm type is **High packet loss rate on gateway**.

After changing the configuration, click **Save** below.



When the modified bandwidth and the actual bandwidth do not match, click **Fetch Bandwidth** to check the actual bandwidth which will then be set as the threshold.



● Tunnel > Create Tunnel

Select the tunnel type and click **Create Tunnel**. The tunnel types include **Telnet**, **eWeb** and **SSH**.

Overview WAN LAN Config PoE Alarm **Tunnel**

Create Tunnel

Type: Telnet Create Tunnel

Tunnel List

If the tunnel is unavailable, please re-create it or contact us for support.

Type	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
eWeb	172.18.21.252	10002	Local	80	2021-11-08 23:55	Disabled	--
Telnet	172.18.21.252	10001	Local	--	2021-11-08 21:35	Disabled	--
eWeb	172.18.21.252	10006	Local	80	2021-11-04 21:29	Disabled	--
SSH	172.18.21.252	10005	Local	--	2021-11-04 21:29	Disabled	--
eWeb	172.18.21.252	10004	Local	80	2021-11-04 21:29	Disabled	--
Telnet	172.18.21.252	10003	Local	--	2021-11-04 21:29	Disabled	--
SSH	172.18.21.252	10002	Local	--	2021-11-04 21:28	Disabled	--
Telnet	172.18.21.252	10001	Local	--	2021-11-04 21:28	Disabled	--
eWeb	172.18.21.252	10000	Local	80	2021-11-04 21:28	Disabled	--
Telnet	172.18.21.252	10004	Local	--	2021-11-01 19:00	Disabled	--

● Tunnel > Tunnel List

Tunnel information includes tunnel type, host, port, destination device, expiration time and status. Click **Re-create** in the **Action** column to re-create a tunnel.

Overview WAN LAN Config PoE Alarm **Tunnel**

Create Tunnel

Type: Telnet Create Tunnel

Tunnel List

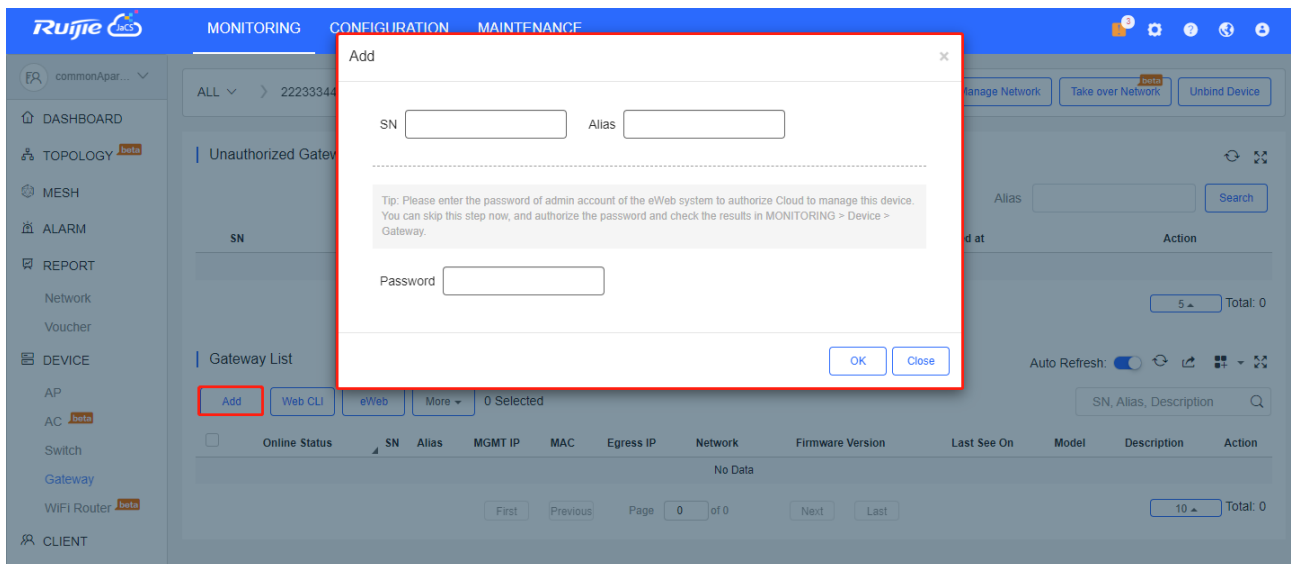
If the tunnel is unavailable, please re-create it or contact us for support.

Type	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
eWeb	172.18.21.252	10002	Local	80	2021-11-08 23:55	Disabled	--
Telnet	172.18.21.252	10001	Local	--	2021-11-08 21:35	Disabled	--
eWeb	172.18.21.252	10006	Local	80	2021-11-04 21:29	Disabled	--
SSH	172.18.21.252	10005	Local	--	2021-11-04 21:29	Disabled	--
eWeb	172.18.21.252	10004	Local	80	2021-11-04 21:29	Disabled	--
Telnet	172.18.21.252	10003	Local	--	2021-11-04 21:29	Disabled	--
SSH	172.18.21.252	10002	Local	--	2021-11-04 21:28	Disabled	--
Telnet	172.18.21.252	10001	Local	--	2021-11-04 21:28	Disabled	--
eWeb	172.18.21.252	10000	Local	80	2021-11-04 21:28	Disabled	--
Telnet	172.18.21.252	10004	Local	--	2021-11-01 19:00	Disabled	--

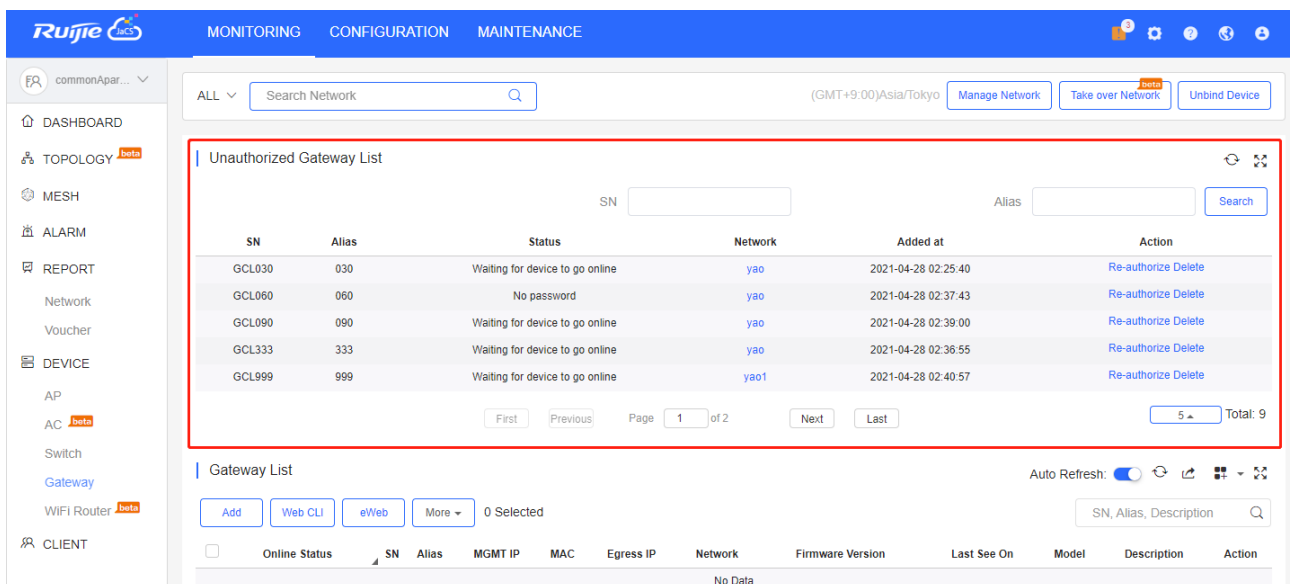
5.6.4.3 Basic Gateway Operations

● Add Gateway

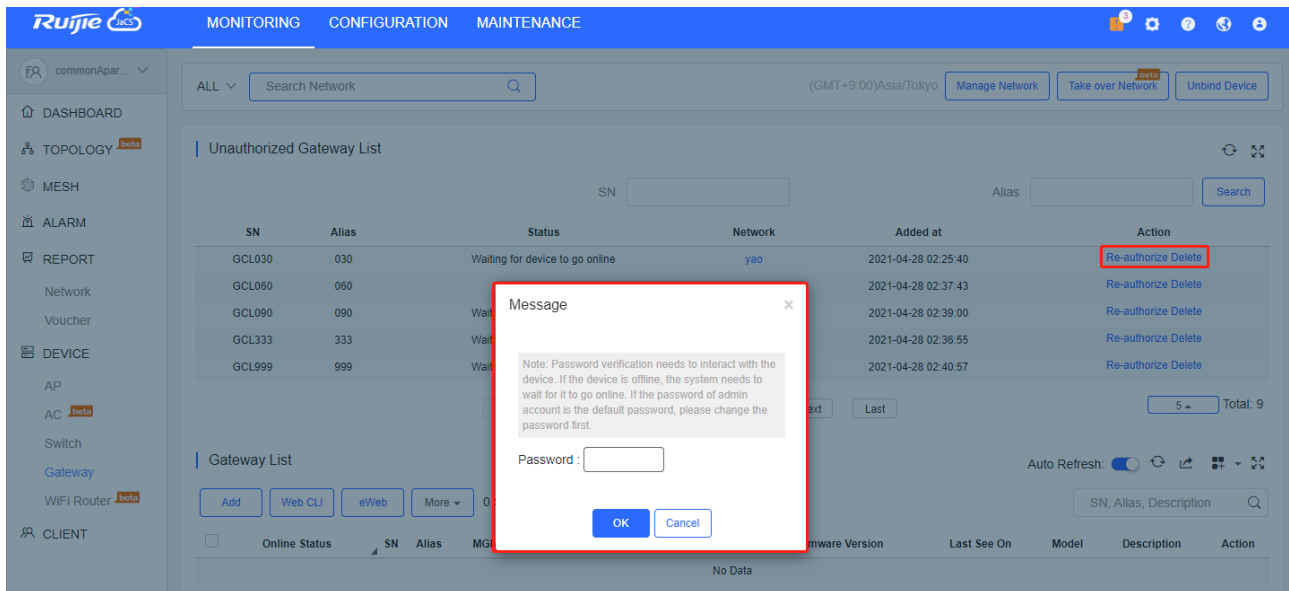
Click **Add**, enter the SN, Alias and eWeb Password, and click **OK** to add a gateway to the network. Only one gateway can be added to a network.



Before a gateway is authorized, it is displayed in the **Unauthorized Gateway List**.

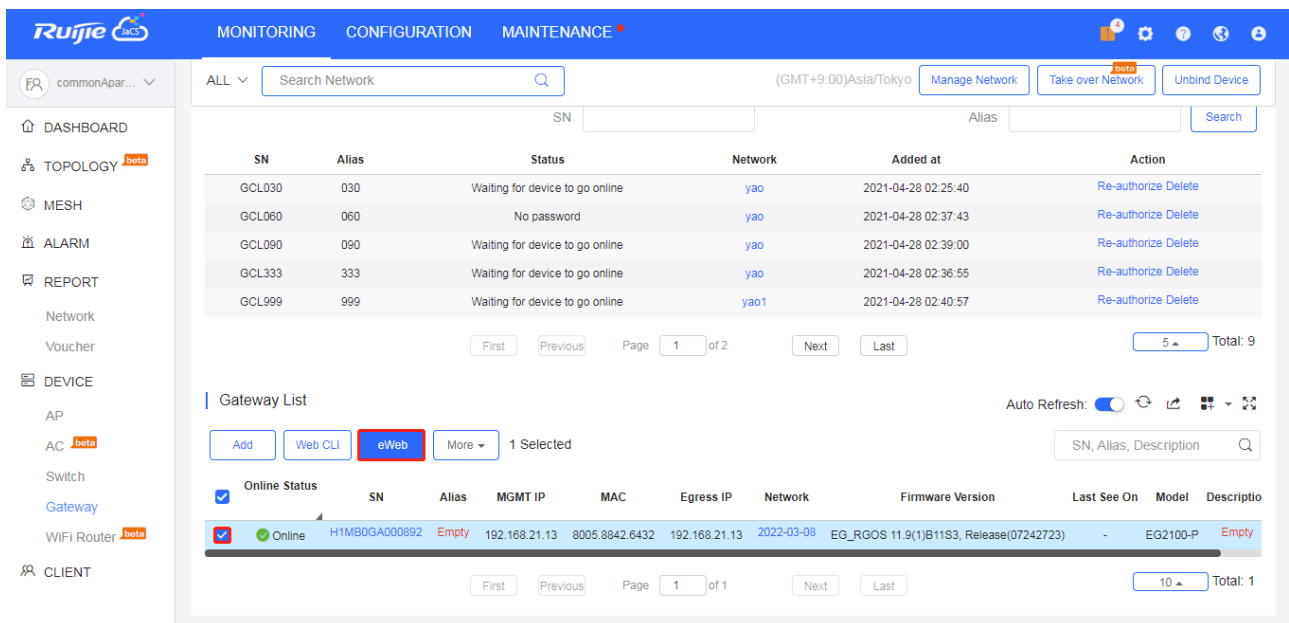


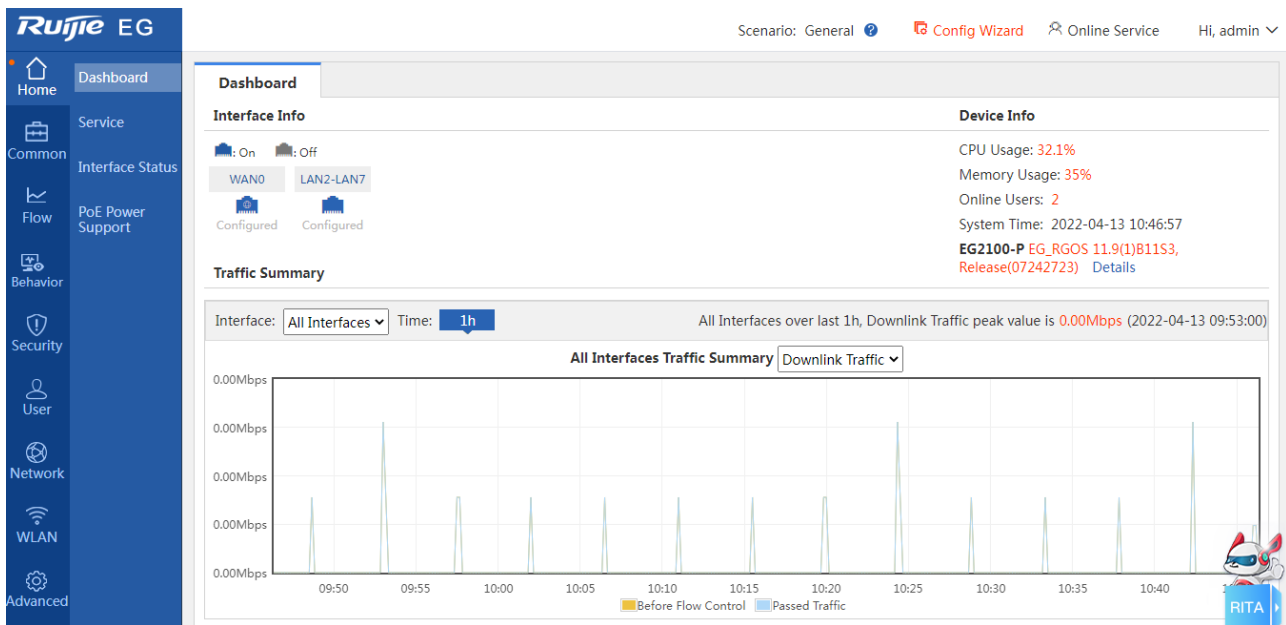
If authorization fails, you can click **Re-authorize** in the **Action** column to re-enter the Web password to re-authorize the device.



● eWeb

Select the device to be managed by eWeb, and click **eWeb**. The system will try to connect the gateway and automatically open the eWeb page in a new window.





If a tunnel is created successfully but the eWeb page does not automatically open, the system will pop up a message. The user can manually click the link to open the page.

The screenshot shows the 'Gateway List' page in the Ruijie EG interface. A 'Tip' dialog box is overlaid on the page, providing instructions on how to access the eWeb system if the browser cannot do so automatically. The dialog box contains the following text:

Tip

✔ Succeeded to create the tunnel. eWeb system is connected.

If the browser can not access the eWeb system:

1. please allow the browser to pop up windows.
2. please check if the proxy is turned on.
3. If the web configuration page does not open automatically, please [click here](#) to config.

Or [click here](#) to re-create the tunnel.

The background shows the 'Gateway List' table with columns for Online Status, SN, Alias, MGMT IP, MAC, Egress IP, Network, Firmware Version, Last Seen On, Model, and Description. The table lists one gateway with SN H1MB0GA000892, Alias Empty, and Model EG2100-P.

● More > Move to

Select the device in the **Gateway List**, click **More > Move to**, select the new network and click **OK**. Only one gateway can be moved at a time.

MONITORING
CONFIGURATION
MAINTENANCE

commonApar...

ALL

Search Network

(GMT+9:00)Asia/Tokyo

Manage Network

Take over Network

Unbind Device

SN

Alias

Search

SN	Alias	Status	Network	Added at	Action
GCL030	030	Waiting for device to go online	yao	2021-04-28 02:25:40	Re-authorize Delete
GCL060	060	No password	yao	2021-04-28 02:37:43	Re-authorize Delete
GCL090	090	Waiting for device to go online	yao	2021-04-28 02:39:00	Re-authorize Delete
GCL333	333	Waiting for device to go online	yao	2021-04-28 02:36:55	Re-authorize Delete
GCL999	999	Waiting for device to go online	yao1	2021-04-28 02:40:57	Re-authorize Delete

First

Previous

Page 1 of 2

Next

Last

5 Total: 9

Gateway List

Auto Refresh: ☒

Add

Web CLI

eWeb

More

1 Selected

Online Status

SN, Alias, Description

Online Status	MGMT IP	MAC	Egress IP	Network	Firmware Version	Last See On	Model	Description
<input checked="" type="checkbox"/> Online	2.168.21.13	8005.8842.6432	192.168.21.13	2022-03-08	EG_RGOS 11.9(1)B11S3, Release(07242723)	-	EG2100-P	Empty

Move to

Reboot

Tunnel

Delete

First

Previous

Page 1 of 1

Next

Last

10 Total: 1

The screenshot shows the 'Select Network' dialog box in the RUMBLE MESH configuration tool. The dialog has a title bar with a close button. Inside, there is a list of networks, each with a blue network icon and a '+' button. The networks listed are 'default', 'yao', 'yao1', and 'JAPAN_APART_BRIDGE_200000000000...'. At the bottom of the dialog, there are buttons for 'Unfold', 'Fold', 'Order', and a search bar. The 'OK' and 'Cancel' buttons are located at the bottom right of the dialog.

- More > Reboot

Select the device in the **Gateway List**, click **More > Reboot** and click **OK**.

The screenshot shows the Ruijie Cloud Management System interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar lists various management options like DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, and DEVICE. The main content area displays a table of gateways with columns for SN, Alias, Status, Network, Added at, and Action. A context menu is open over the 'More' button for a selected gateway, showing options: Move to, Reboot, Tunnel, and Delete. The 'Tunnel' option is highlighted.

SN	Alias	Status	Network	Added at	Action
GCL030	030	Waiting for device to go online	yao	2021-04-28 02:25:40	Re-authorize Delete
GCL060	060	No password	yao	2021-04-28 02:37:43	Re-authorize Delete
GCL090	090	Waiting for device to go online	yao	2021-04-28 02:39:00	Re-authorize Delete
GCL333	333	Waiting for device to go online	yao	2021-04-28 02:36:55	Re-authorize Delete
GCL999	999	Waiting for device to go online	yao1	2021-04-28 02:40:57	Re-authorize Delete

● More > Tunnel

The user can create a Web-based tunnel to enter the eWeb system of a gateway for more monitoring and management functions.

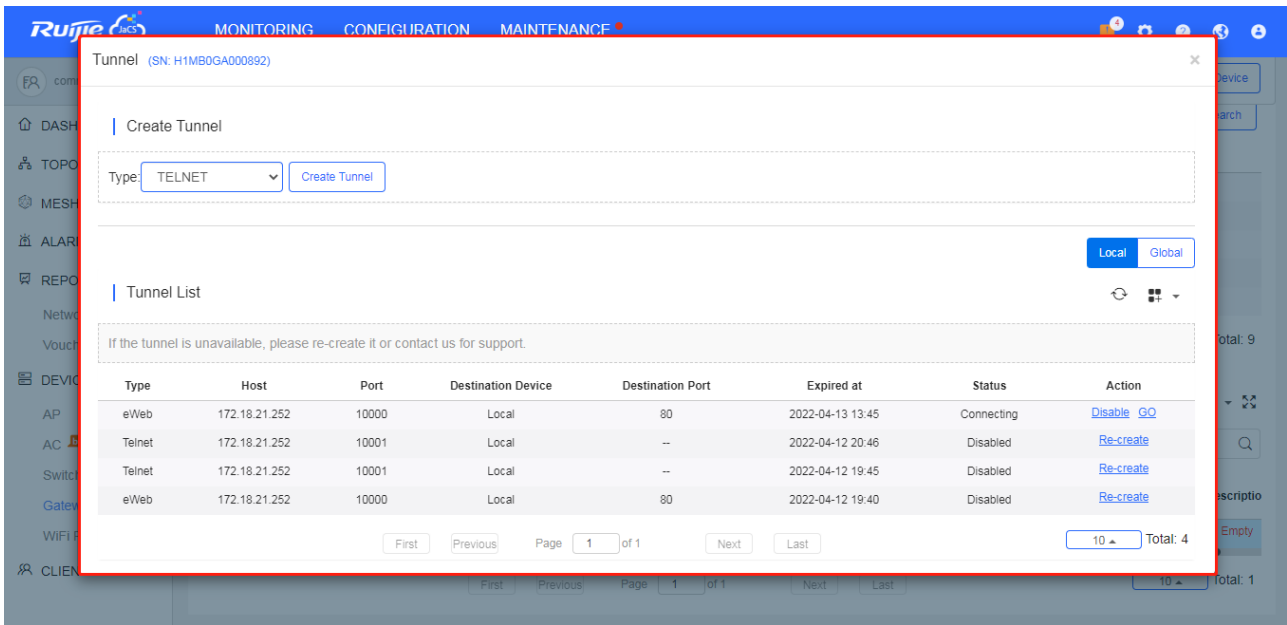


If any security system exists in the network, such as a firewall, the traffic of destination TCP port 10000-12000 should be permitted.

Select the device for tunnel management, and click **More > Tunnel**. On the **Tunnel Management** page, **WEB**, **Telnet** and **SSH** types (the tunnel types vary with products) can be selected or you can customize the tunnel configuration. The **Tunnel List** displays the tunnels already created.

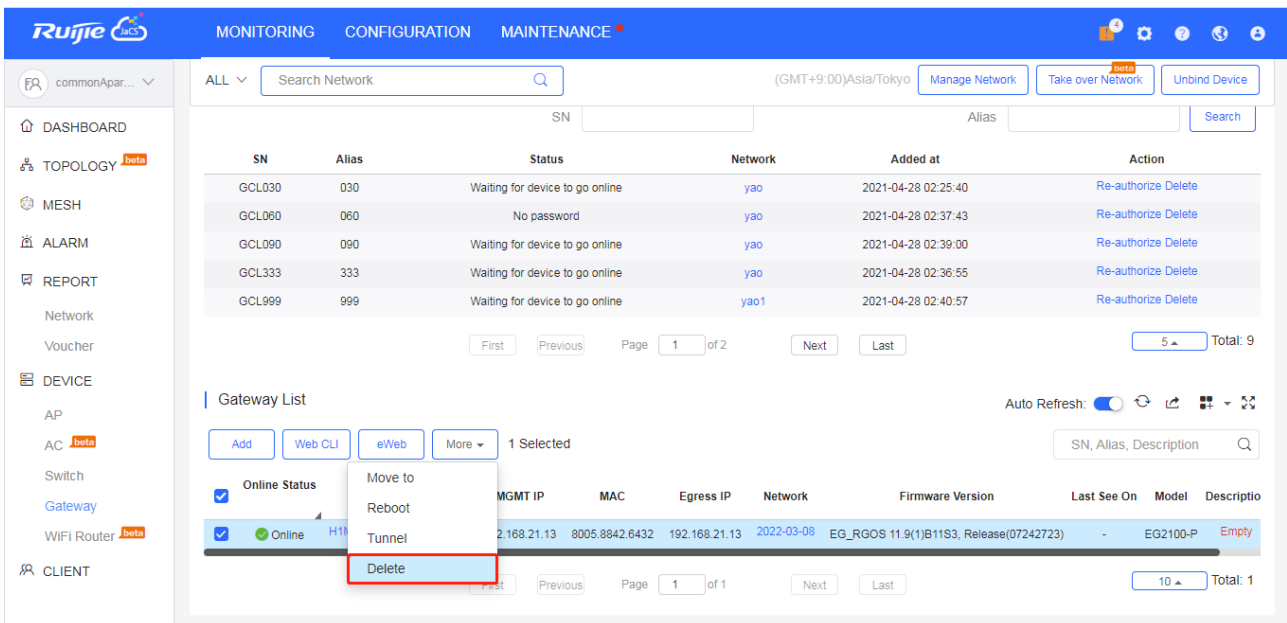
The screenshot shows the Ruijie Cloud Management System interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar lists various management options like DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, and DEVICE. The main content area displays a table of gateways with columns for SN, Alias, Status, Network, Added at, and Action. A context menu is open over the 'More' button for a selected gateway, showing options: Move to, Reboot, Tunnel, and Delete. The 'Tunnel' option is highlighted.

SN	Alias	Status	Network	Added at	Action
GCL030	030	Waiting for device to go online	yao	2021-04-28 02:25:40	Re-authorize Delete
GCL060	060	No password	yao	2021-04-28 02:37:43	Re-authorize Delete
GCL090	090	Waiting for device to go online	yao	2021-04-28 02:39:00	Re-authorize Delete
GCL333	333	Waiting for device to go online	yao	2021-04-28 02:36:55	Re-authorize Delete
GCL999	999	Waiting for device to go online	yao1	2021-04-28 02:40:57	Re-authorize Delete



● More > Delete


Select the device in the **Gateway List**, click **More > Delete** and click **OK**.



5.6.5 WiFi Router (beta)

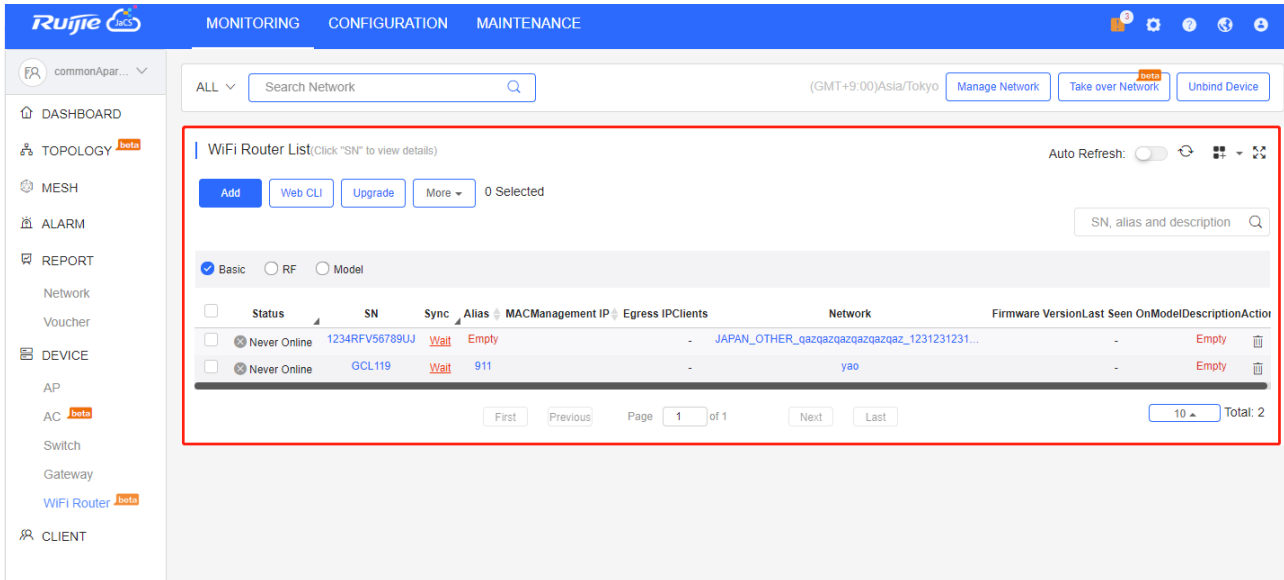
5.6.5.1 WiFi Router List

The **WiFi Router List** displays basic device information, including the online/offline status, SN, sync status, alias, MAC, management IP & public IP, clients, network, firmware version, offline time, model and description.

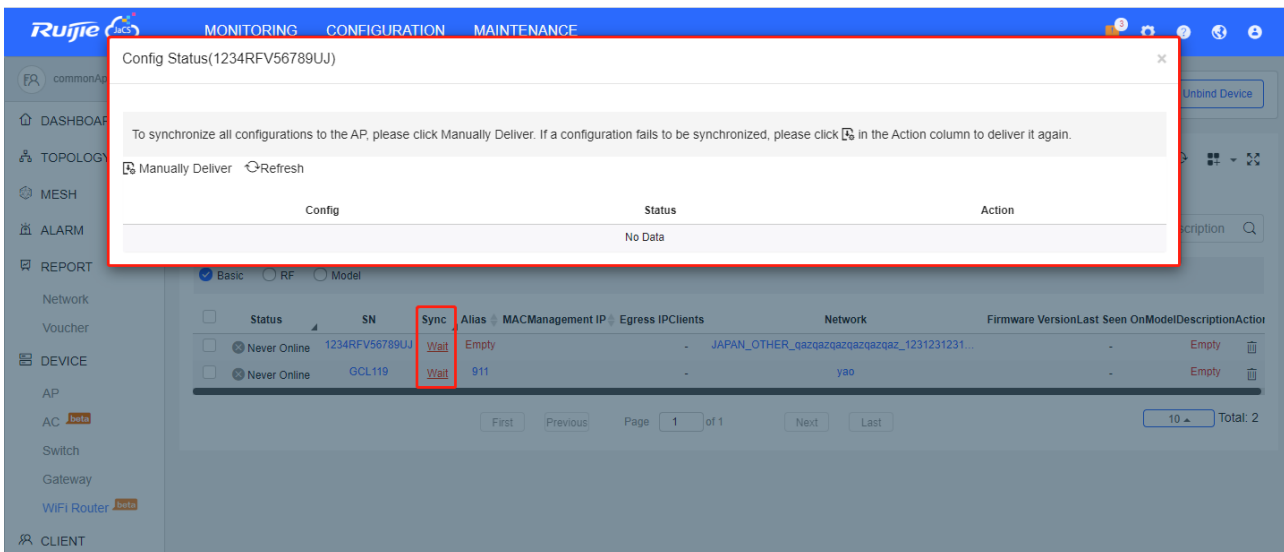
The **WiFi Router List** automatically refreshes every minute. Click **Auto Refresh:**  to enable/disable the auto refresh function.

Above the list are **Add**, **Web CLI** and **Upgrade** functions. Click [More](#) to display the **Move to**, **Delete**, **Export**, and **Reboot** functions. For more information, refer to **Basic Router Operations**.

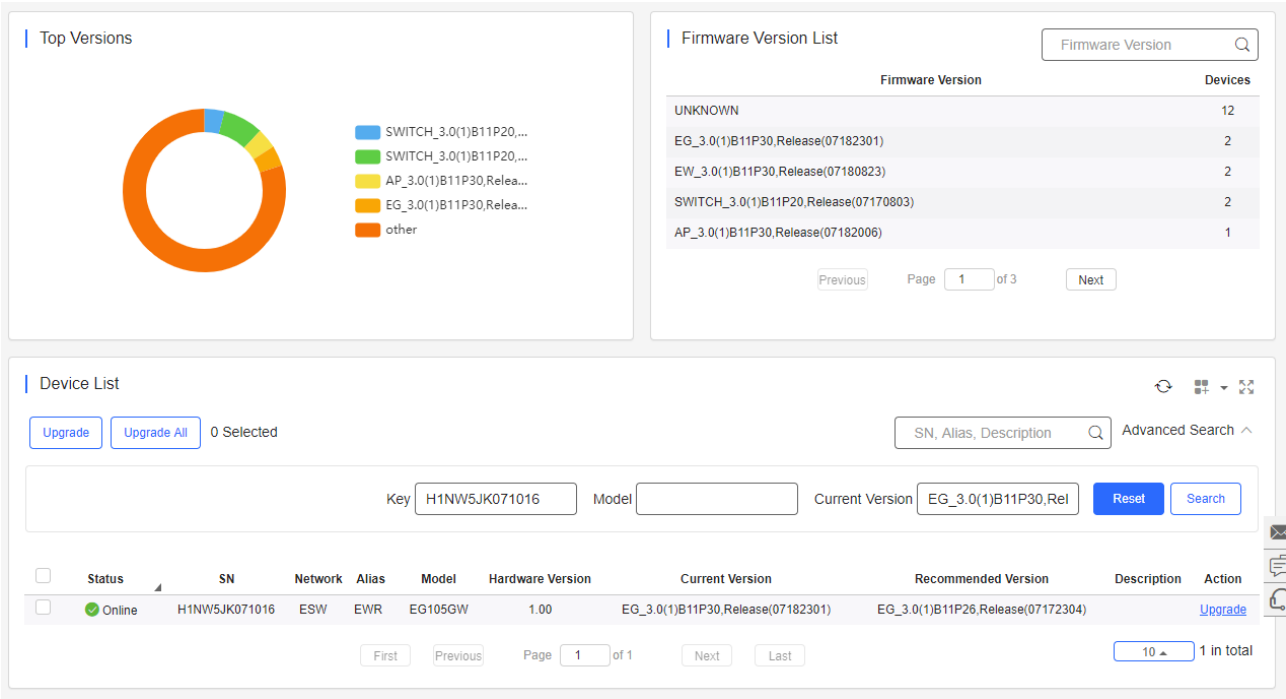
The **Search** function supports fuzzy queries based on the serial number, alias and description, and also supports queries based on sync status and online/offline status.



Click the record in the **Sync Status** column to open the **Config Status** page. On this page, you can deliver one or all configurations.



The number of devices which have available firmware for upgrade is displayed on the upper-left corner of the **WiFi Router List** page. Click **New Firmware** to display the **New Firmware List**. Then click **Go To Upgrade** to enter the **MAINTENANCE > UPGRADE > Upgrade** page.



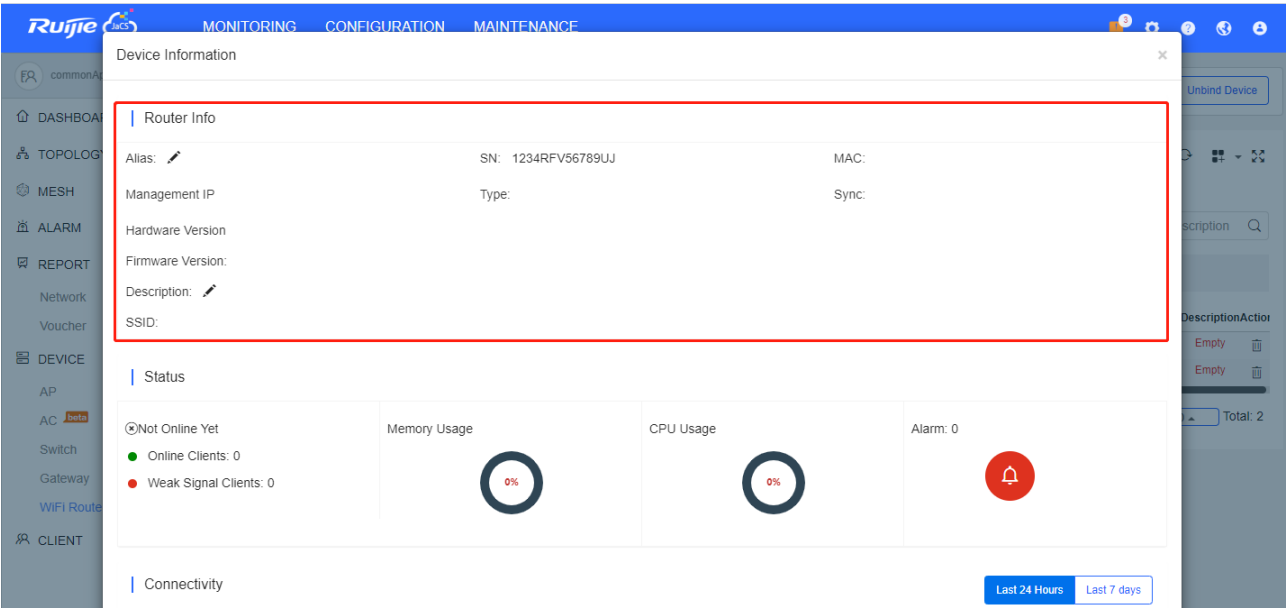
For more information, refer to **Device Details**.

5.6.5.2 Device Details

Click the serial number in the device list to open the details page for a single device. The page displays detailed device information, including basic information, performance data, speed data, client data, online/offline status, and device logs.

Router Info

The basic information includes serial number, MAC address, management IP address, SSID, sync status, firmware version, hardware version, alias, and description.



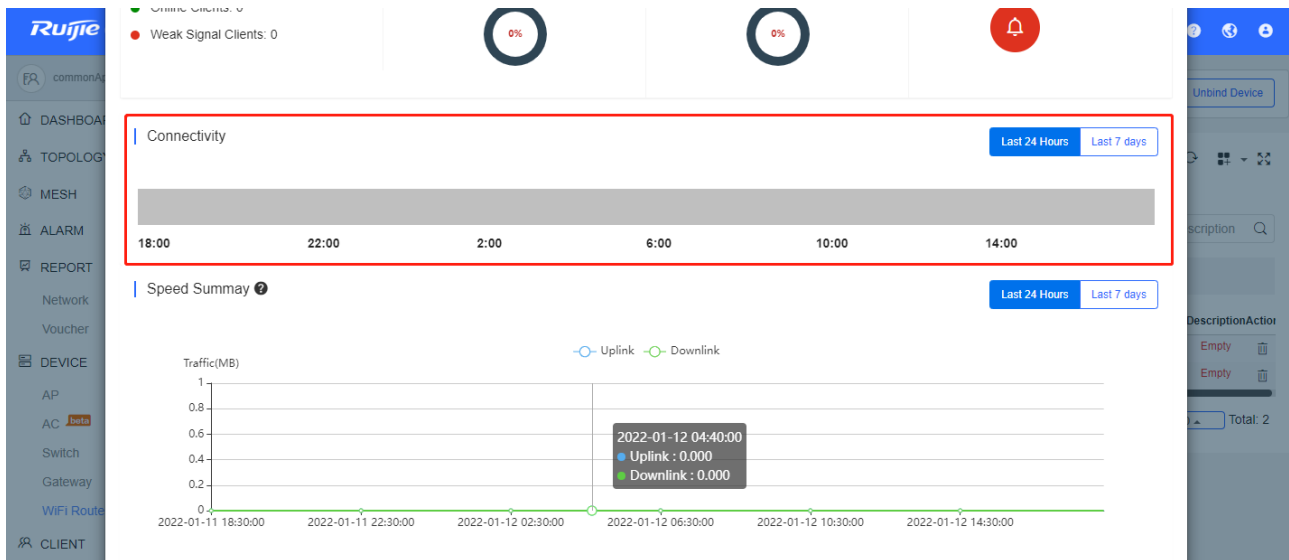
Status

The performance data includes the router connection status, online client count, CPU usage, memory usage and alarm count.



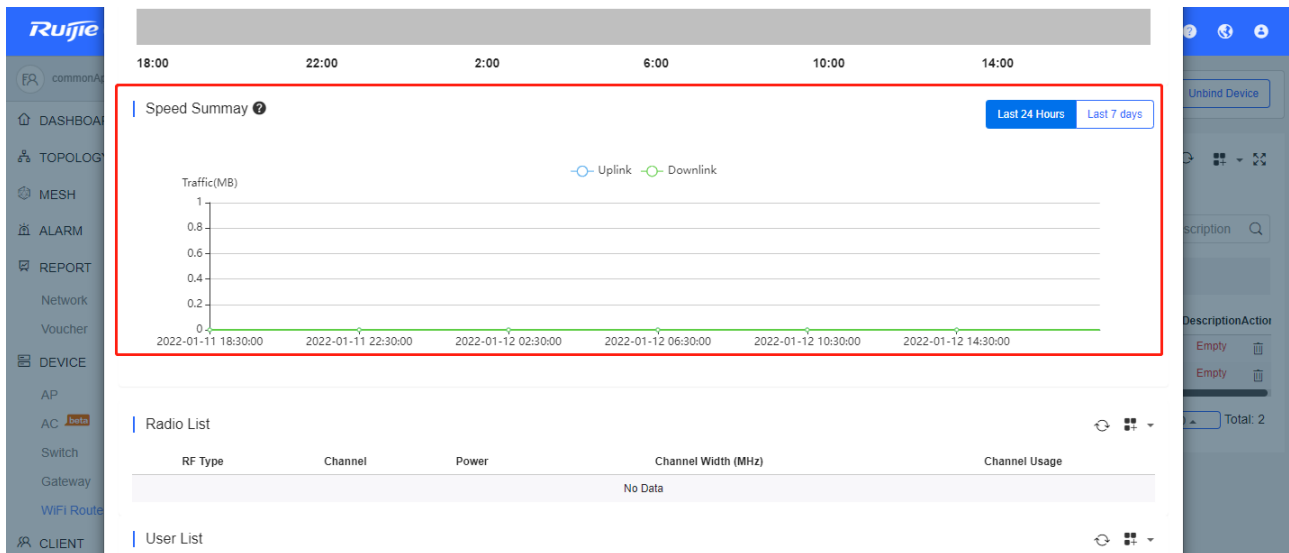
● Connectivity

Router connectivity refers to the connectivity (online status) between router and Cloud Service within a period (1 day or 7 days).



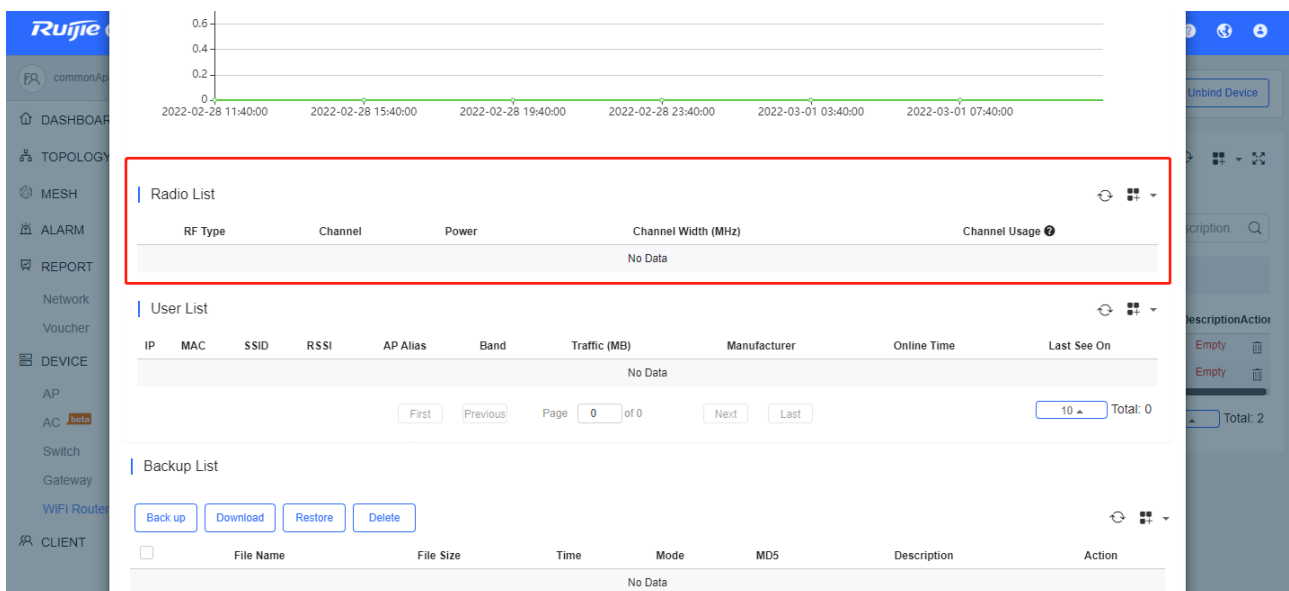
● Speed Summary

You can choose to view the router speed statistics in the last 24 hours or the last 1 week.



● Radio List

The **Radio List** page displays the RF information, including the RF type, current channel, power (percentage), channel bandwidth, and channel usage.



● User List

The **User list** displays information about clients currently associated with the routers, including the IP address, MAC address, SSID, RSSI, traffic, online/offline status, terminal type and so on.

The screenshot displays the Ruijie management interface with the following sections:

- Radio List:** A table with columns: RF Type, Channel, Power, Channel Width (MHz), and Channel Usage. It shows "No Data".
- User List:** A table with columns: IP, MAC, SSID, RSSI, AP Alias, Band, Traffic (MB), Manufacturer, Online Time, and Last See On. It shows "No Data".
- Backup List:** A section with buttons: Back up, Download, Restore, and Delete. Below it is a table with columns: File Name, File Size, Time, Mode, MD5, Description, and Action. It shows "No Data".
- Log Record:** A section with a search bar and a table with columns: Type, Updated at, and Content. It shows "No Data".

● Backup List

The backup records include configuration file name, size, time, mode, MD5 and description.

The screenshot displays the Ruijie management interface with the following sections:

- User List:** A table with columns: IP, MAC, SSID, RSSI, AP Alias, Band, Traffic (MB), Manufacturer, Online Time, and Last See On. It shows "No Data".
- Backup List:** A section with buttons: Back up, Download, Restore, and Delete. Below it is a table with columns: File Name, File Size, Time, Mode, MD5, Description, and Action. It shows "No Data".
- Log Record:** A section with a search bar and a table with columns: Type, Updated at, and Content. It shows "No Data".

● Device Log

The Device Log records the device type, update time and content.

The screenshot shows the Ruijie management interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, Gateway, WIFI Router, and CLIENT. The main content area has several sections: User List, Backup List, and Log Record. The Log Record section has tabs for 'Device Log' (selected) and 'Config Log'. Below the tabs is a table with columns: Type, Updated at, and Content. The table is currently empty, displaying 'No Data'.

● Config Log

The Config Log records the historical operations, including online/offline, restart and upgrade records, and supports queries based on the status and period.

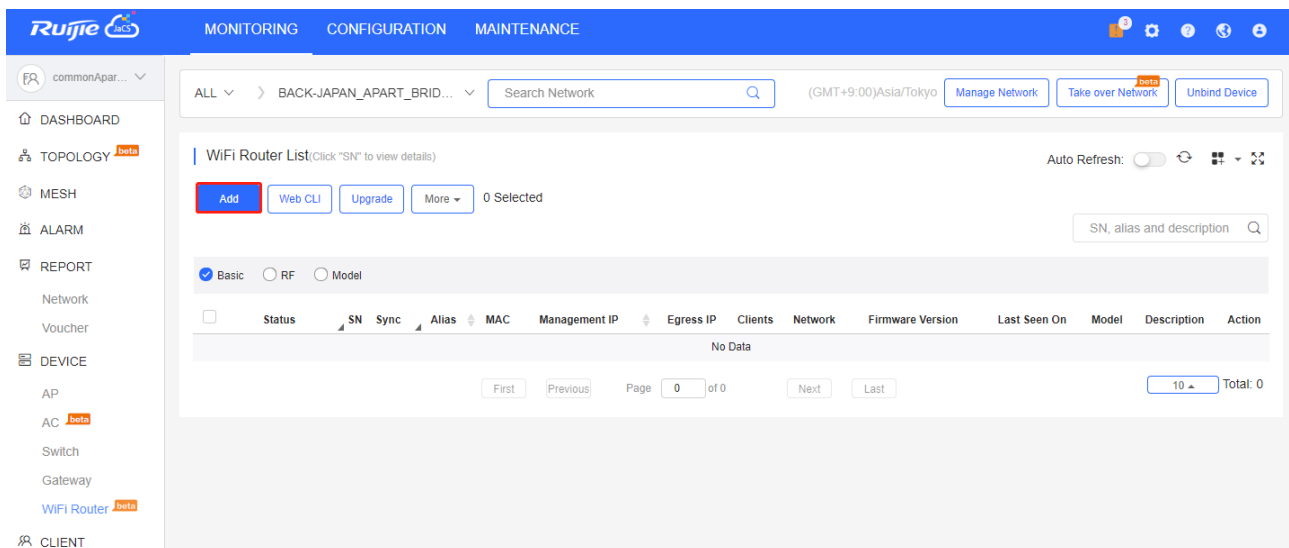
The screenshot shows the Ruijie management interface. The left sidebar is the same as the previous screenshot. The main content area shows the Log Record section with the 'Config Log' tab selected. Below the tabs is a table with columns: Operation Type, Started at, Ended at, Status, Description, and Details. The table contains one entry:

Operation Type	Started at	Ended at	Status	Description	Details
MACC server address changes	2021-11-04 20:03	2021-11-04 20:03	Not needed	Config: JAPAN_OTHER_qazqazqazqazqazq...	

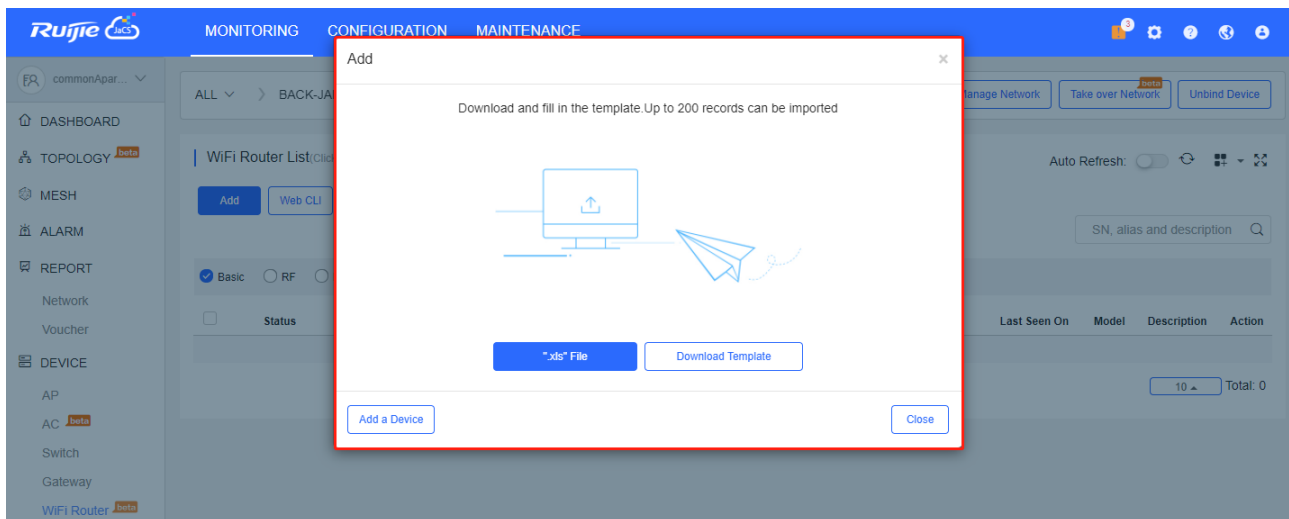
5.6.5.3 Basic Router Operations

● Add Router

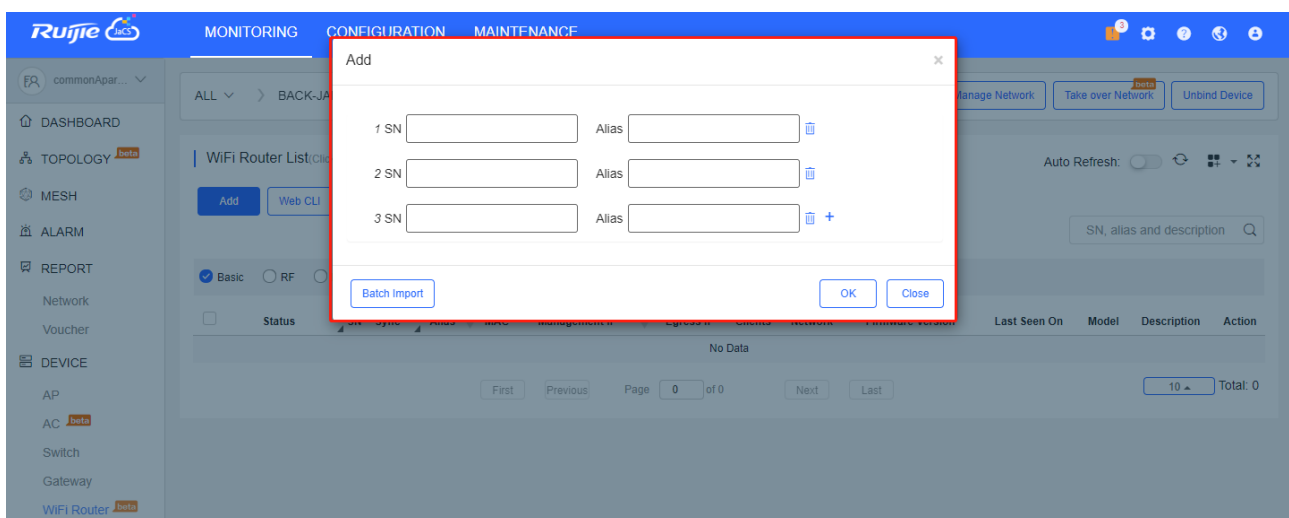
Step 1: Select the network, and click **Add**. Both batch import and manual add are supported.



Step 2: Click **download template** to download the template, enter router information, and click **File** to import the template.

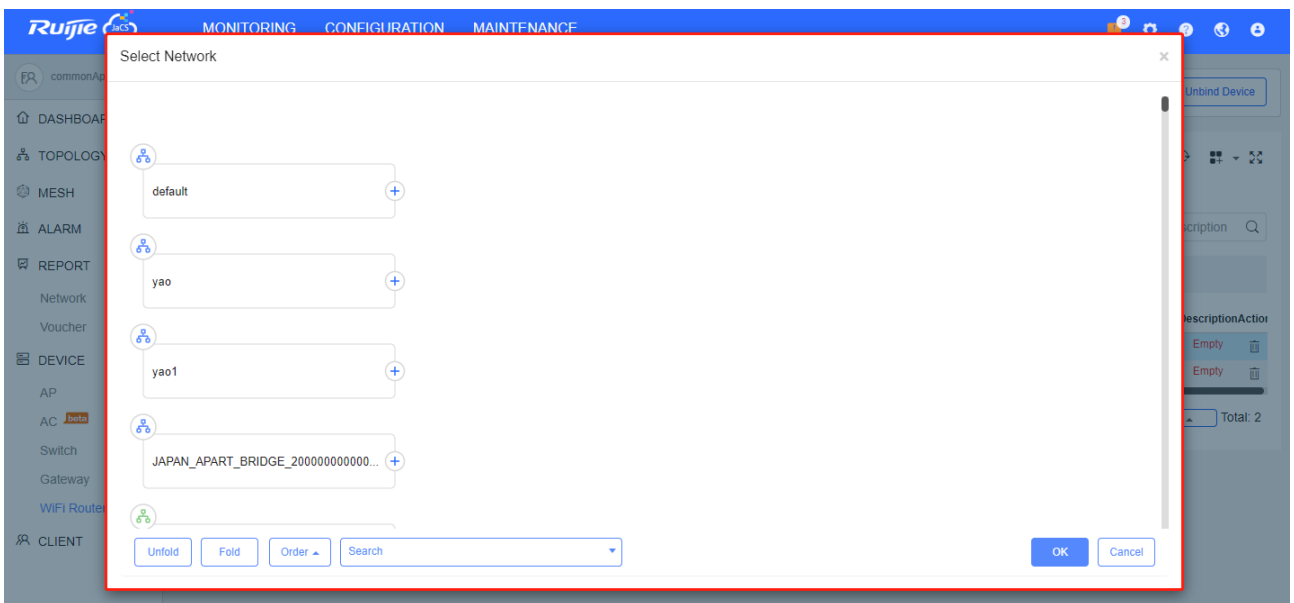
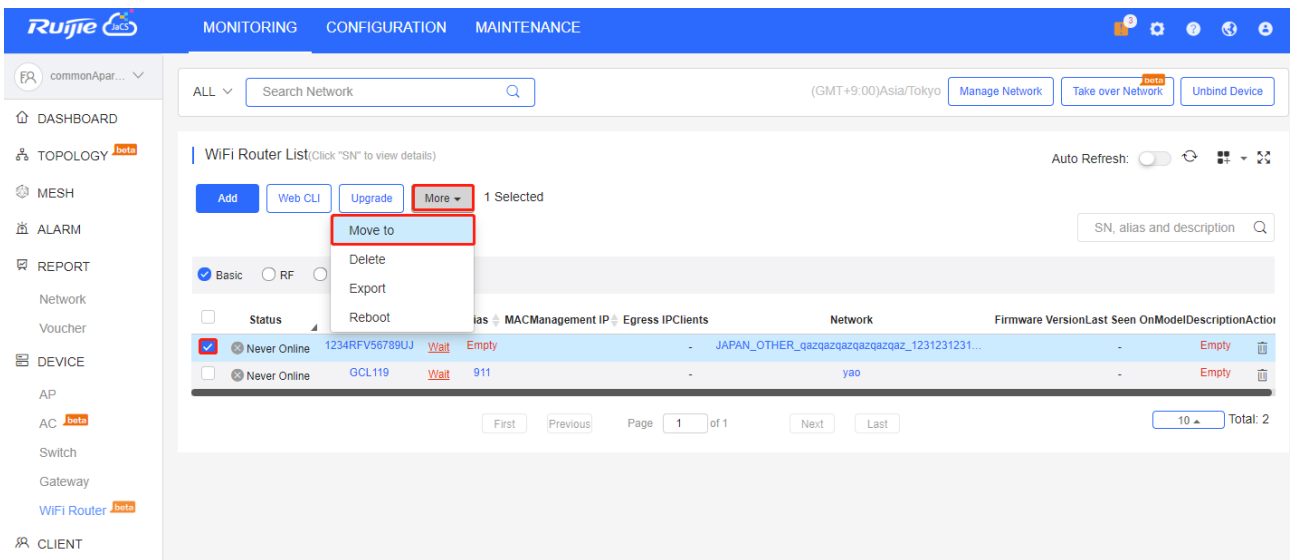


Or you can click **Add a Device**, enter SN and alias of the AP, and click **OK**. Click **+** to add multiple APs.



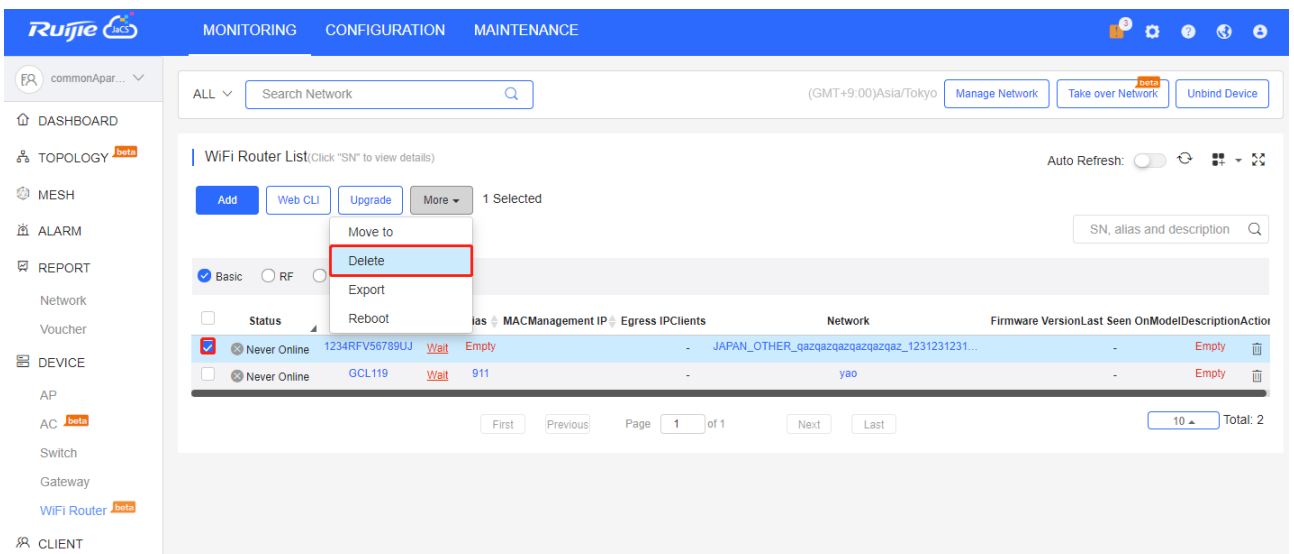
● More > Move to

Select one or multiple devices in the **WiFi Router List**, click **More > Move to**, select the new network and click **OK**.



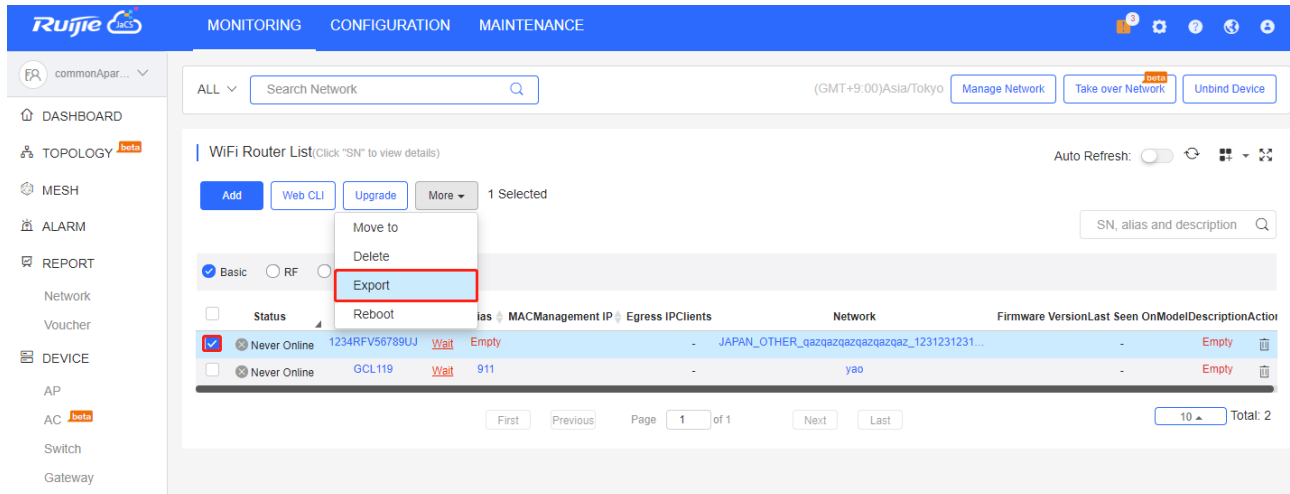
- More > Delete

Select one or multiple devices in the **WiFi Router List**, click **More > Delete** and click **OK**.



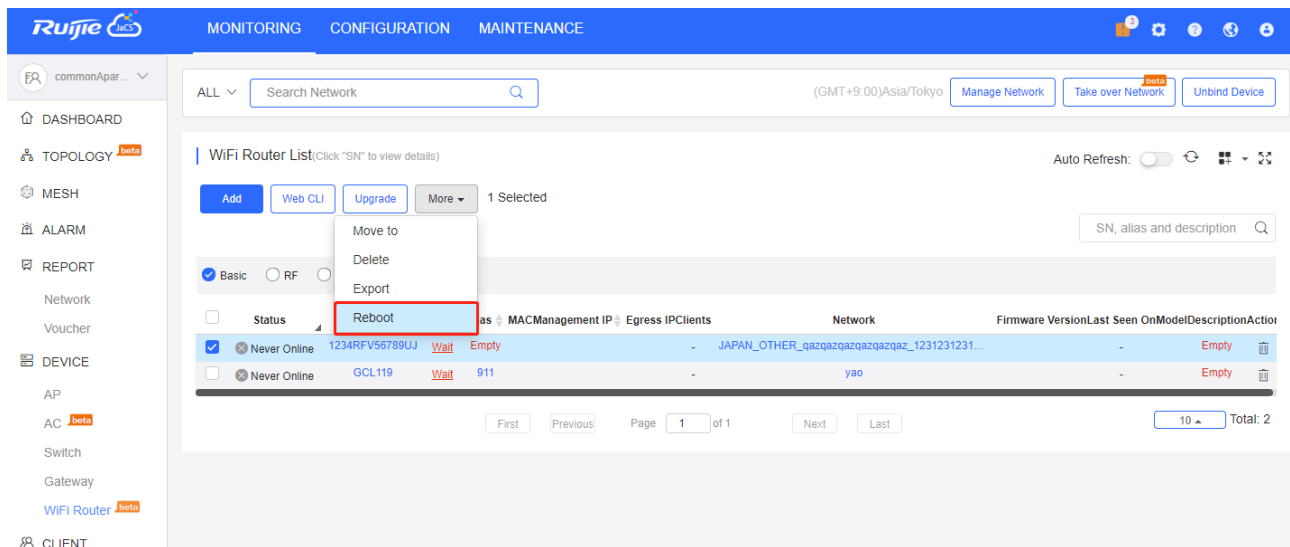
- More > Export

Select one or multiple devices in the **WiFi Router List**, and click **Export**.



● More > Reboot

Select one or multiple devices in the **WiFi Router List**, and click **Reboot**.



● Web CLI

Select one or multiple devices in the **WiFi Router List**, and click **Web CLI**. The **Web CLI** dialog box is displayed, and device information can be queried via the menus in this dialog box. The menus vary with the products.

The screenshot shows the Ruijie CMS interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', and 'MAINTENANCE'. The left sidebar lists various system components. The main area is titled 'WiFi Router List' and contains a table of routers. A red box highlights the 'Web CLI' button in the top toolbar.

Status	SN	Sync	Alias	MAC Management IP	Egress IP	Clients	Network	Firmware Version	Last Seen On	Model	Description	Action
Never Online	1234RFV56789UJ	Wait	Empty	-	-	JAPAN_OTHER_gazqazgazqazqaz_1231231231...	-	-	Empty	-	-	-
Never Online	GCL119	Wait	911	-	-	yao	-	-	Empty	-	-	-

5.7 Client

Select **MONITORING > CLIENT** to open the **Client** page.

5.7.1 Client List

This page displays the information about online clients and historical clients of the current network.

Click the drop-down list next to **Advanced Search** to switch between **Online Clients** and **History Clients**.

The client information includes basic information, band, and online time.

Search for user data by online status, MAC, SN or SSID.

5.7.2 Client Details

Click the device **MAC**, and the **Client Details** page is displayed.

The screenshot shows the Ruijie CMS interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', and 'MAINTENANCE'. The left sidebar lists various system components. The main area is titled 'Client List' and contains a table of clients. A red box highlights the 'Client List' section.

IP	MAC	AP SN	SSID	RSSI	AP Alias	Band	Traffic (MB)	Manufacturer	Online Time	Last Seen On
No Data										

● Client Info

Client Info includes alias, status, MAC address, online/offline time, uptime, IP address, terminal, operation system, manufacture, AP serial number, AP alias and SSID.

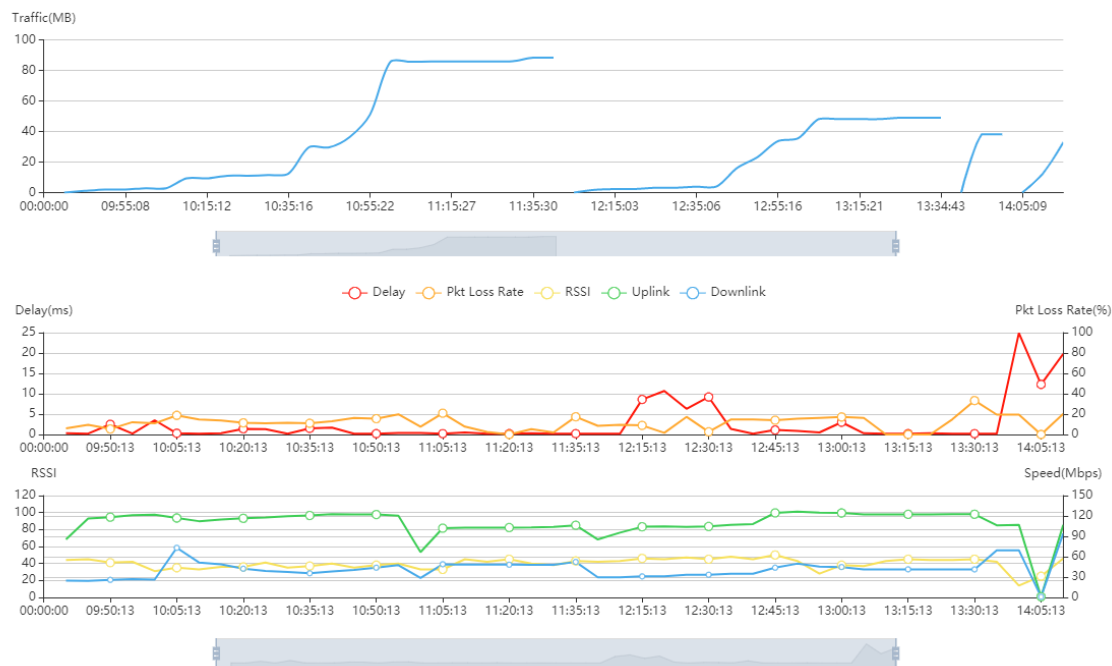
Client Info

Alias :	Status : Online	MAC : 3045.9609.0557
Online Time : 2019-04-16 14:05:09	Offline Time : -	Uptime : 0h 8m 26s
IP : 172.17.125.140	Terminal : Phone	OS : Android
Manufacturer : HUAWEI TECHNOLOGIES CO.,LTD	AP SN : G1KD9HH02861B	AP Alias : 520w2
SSID : Nature_cloud_as		

Performance

Performance displays the traffic summary etc.

Performance



Online/Offline Record

Online/Offline Record

AP SN	AP Alias	IP	SSID	RSSI	Band	Traffic(MB)	Online Time	Offline Time	Updated at
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-53	2.4G	32.762	2019-04-16 14:05:09	-	2019-04-16 14:13:46
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	38.179	2019-04-16 13:46:16	2019-04-16 13:57:23	2019-04-16 13:57:43
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	49.051	2019-04-16 12:04:10	2019-04-16 13:34:43	2019-04-16 13:35:23
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	88.296	2019-04-16 09:36:35	2019-04-16 11:36:13	2019-04-16 11:36:31
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	4.442	2019-04-15 15:24:59	2019-04-15 15:58:43	2019-04-15 15:59:26
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	1.520	2019-04-15 12:39:38	2019-04-15 12:47:05	2019-04-15 12:47:59
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	66.523	2019-04-15 10:15:38	2019-04-15 11:56:59	2019-04-15 11:57:46
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	12.954	2019-04-12 17:46:01	2019-04-12 18:28:59	2019-04-12 18:29:52
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	326.045	2019-04-12 14:01:03	2019-04-12 17:26:35	2019-04-12 17:26:40
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	2.815	2019-04-12 13:40:13	2019-04-12 13:51:20	2019-04-12 13:51:52

First Previous Page 1 of 2 Next Last 10 12 in total

Online/Offline Record displays AP SN, AP alias, IP, SSID etc.

Roaming Record

Roaming Record

Roam-in AP SN	Roam-in AP MAC	Roam-in AP Group	Roam-in AP Location	Source AP SN	Source AP MAC	Source AP Group	Source AP Location	Roam
G1KD84Y017646	5869.6c7a.5dd0	San_Jose	Outdoor RG-AP630(CD)	G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KD
G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KD14G00221B	5869.6c5b.5071	San_Jose	Indoor AP520(BT)	G1KD
G1KD14G00221B	5869.6c5b.5071	San_Jose	Indoor AP520(BT)	G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KD
G1KD90N003414	5869.6caa.72e2	San_Jose	AP630(IODA)	G1KDA0T003926	5869.6cb9.7926	San_Jose	Indoor AP740-I	G1KD
G1KD90N003414	5869.6caa.72e2	San_Jose	AP630(IODA)	G1KDA0T003926	5869.6cb9.7926	San_Jose	Indoor AP740-I	G1KD
G1KDA0T003926	5869.6cb9.7926	San_Jose	Indoor AP740-I	G1KD84Y017646	5869.6c7a.5dd0	San_Jose	Outdoor RG-AP630(CD)	G1KD
G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KDAHJ052008	5869.6cc1.96d0	San_Jose	indoor AP130(W2)	G1KD

First

Previous

Page 1 of 1

Next

Last

10

7 in total

Roaming Record displays roam-in AP, source AP, SSID etc.

6 Configuration

The Configuration module includes two parts: **NETWORKS** and **WIRELESS** and **AUTHENTICATION**.

6.1 Networks

6.1.1 Basic

Select **CONFIGURATION** > **NETWORKS** to open the **NETWORKS** page. Then, all detailed information about the sub networks is displayed on the **Subnetwork List**, including the network name, its upper network, the number of connected devices and created time.

Additionally, five operation icons are provided in the **Action** column of a network for adding a sub network, sharing the network, handing over the network, deleting the network and configuring the network. You can click these icons to perform operations on the network.

The screenshot displays the Ruijie Cloud Configuration interface. The left sidebar shows the navigation menu with **NETWORKS** selected. The main content area is titled **Network Info(383)** and shows a tree view of the network structure. The **Subnetwork List** table is highlighted with a red box. The table has columns for **Network**, **Upper Network**, **Devices**, **Created Time**, and **Action**. The **Action** column contains five icons: a plus sign, a share icon, a handover icon, a delete icon, and a settings icon.

Network	Upper Network	Devices	Created Time	Action
21212212	ROOT	0	2023-04-15 16:02:50	
12121212	ROOT	0	2023-04-15 16:01:21	
123123	ROOT	0	2023-04-15 16:00:04	
testsub1	ROOT	0	2023-04-10 14:48:15	
test1213@@	ROOT	1	2023-04-10 12:28:03	
1234567880	ROOT	0	2023-04-10 12:22:25	
test12313	ROOT	0	2023-04-10 12:21:09	
bbb123	ROOT	0	2023-04-10 12:12:53	
bbbbbbbbb	ROOT	1	2023-04-10 12:05:36	
abcdeggl	ROOT	0	2023-04-10 11:55:19	
abcdeggl	ROOT	0	2023-04-10 11:44:12	
Eason_apart_006	ROOT	0	2023-03-23 12:03:12	
other-test	ROOT	1	2023-03-23 11:53:08	
1121212	ROOT	0	2023-03-23 10:47:42	

6.1.1.1 Add Sub Networks

Select the network and click **Add Sub Network**.

The screenshot displays the Ruijie Cloud Management System (CMS) interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', and 'MAINTENANCE'. The left sidebar shows a tree structure with 'NETWORKS' expanded, containing 'WIRELESS' and 'AUTHENTICATION' sections. The main content area is titled 'Network Info(14)' and shows a tree view of networks. The 'default' network is selected, and its details are shown on the right. The 'Subnetwork List' table shows one subnetwork, 'test11111', with its parent network as 'ROOT/default' and one device associated with it. The table includes columns for Network, Upper Network, Devices, Created Time, and Action. The 'Add Sub Network' button is highlighted in red.

Current Network: **default**

Add Sub Network **Add Device**

Subnetwork List

Network	Upper Network	Devices	Created Time	Action
test11111	ROOT/default	1	2023-03-29 11:53:47	Edit Delete

Page 1 of 1

Total: 1

The screenshot displays the 'Add Sub Network' dialog box in the Ruijie Cloud Management System (CMS). The dialog box has a 'Basic' tab and contains the following fields:

- Name: Subaccount
- Parent Node: default
- Wireless Configuration: Inherit Parent Node
- Bind Location: Tokyo, Japan

Below the fields is a map of Tokyo, Japan, with a red pin indicating the location. The map includes labels for various landmarks and streets. The 'Save & Next' button is highlighted in red.

Add Sub Network **Add Sub Network** **Add Device** **Finish**

Basic

Name: Subaccount

Parent Node: default

Wireless Configuration: Inherit Parent Node

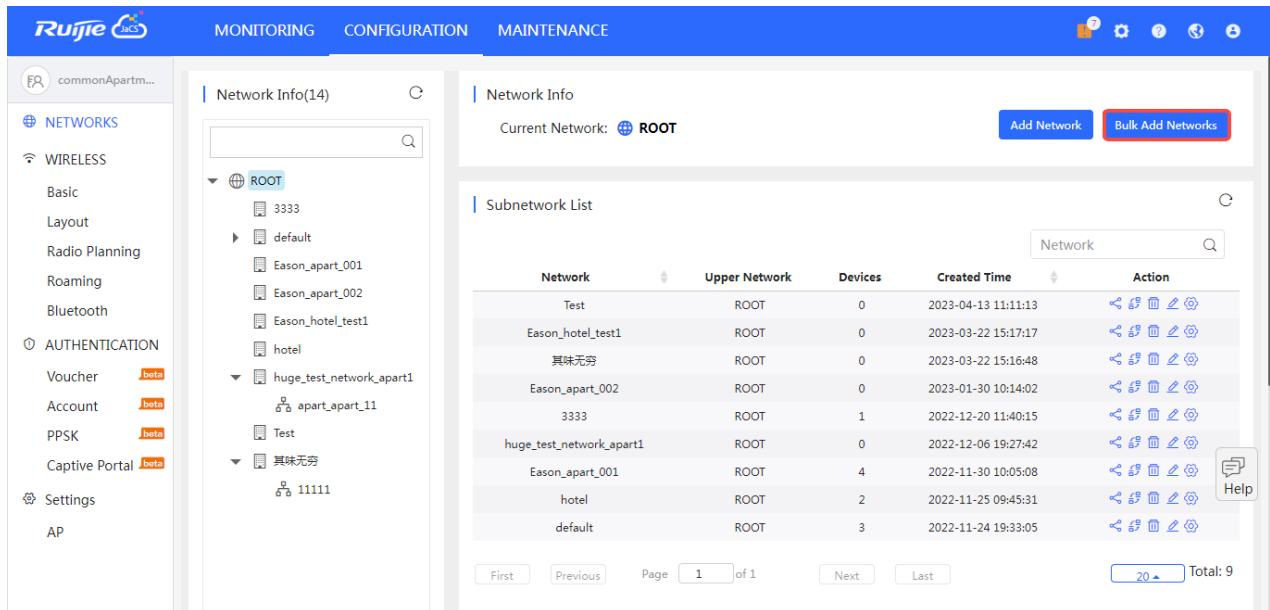
Bind Location: Tokyo, Japan

Drag the icon to adjust the network location

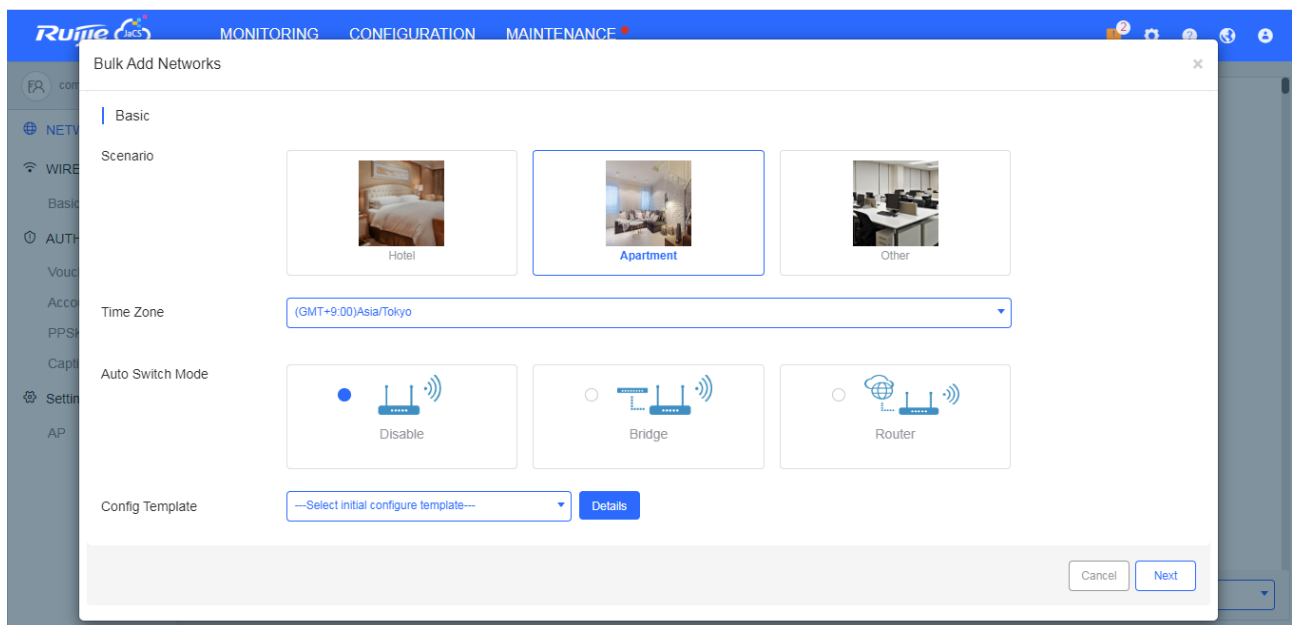
Save & Next **Cancel**

6.1.1.2 Bulk Add Networks

Step 1 Click **Bulk Add Networks** to enter the setting page.

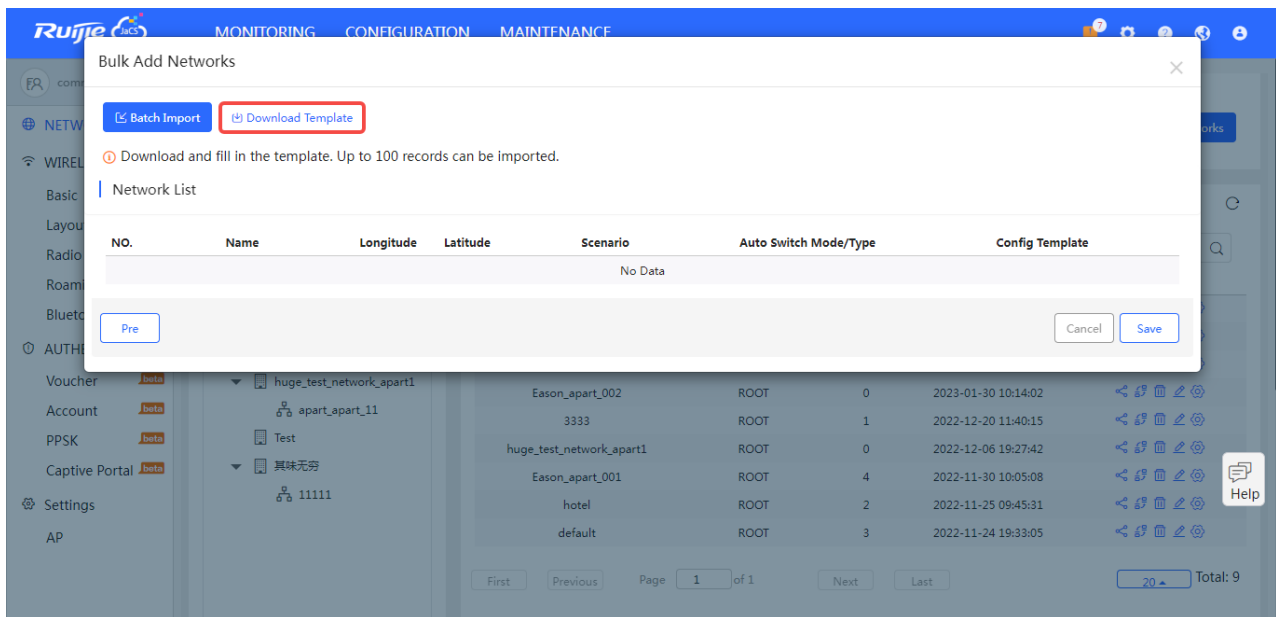


Step 2 Specify the **Scenario**, **Time Zone**, **Auto Switch Mode** and **Configuration Template** (optional).

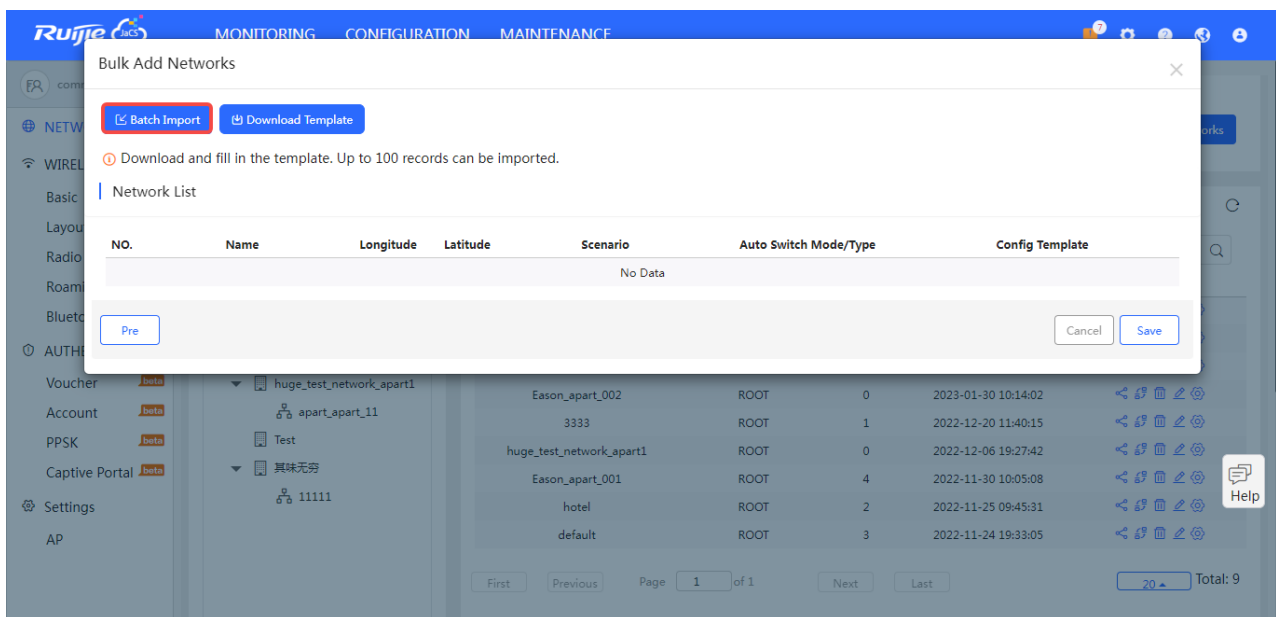


When an initial configuration template is selected, the **Enabled** button appears. By default, the function is disabled. When it is enabled, the configurations in the template will be delivered to all devices in the network when they go online for the first time.

Step 3 Click **Download Template** to download and fill in the template.



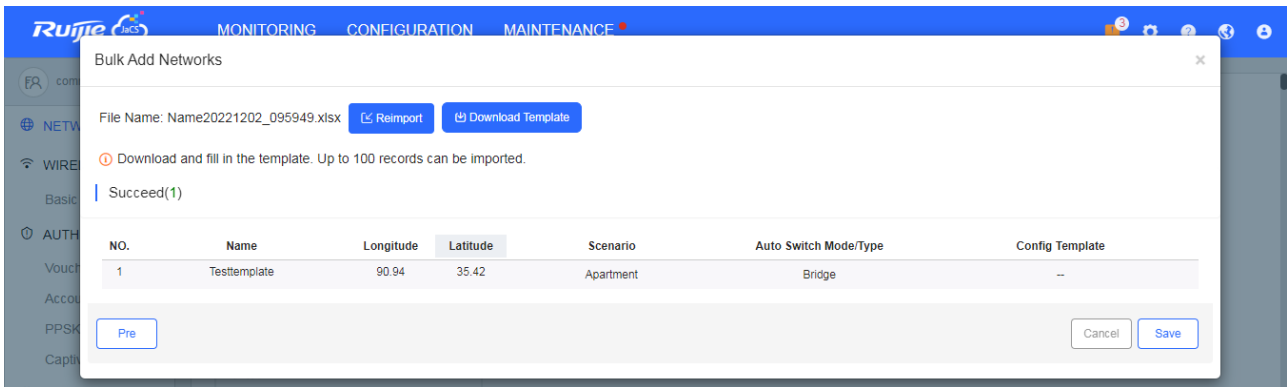
Step 4 Click **Batch Import** to import the filled template.



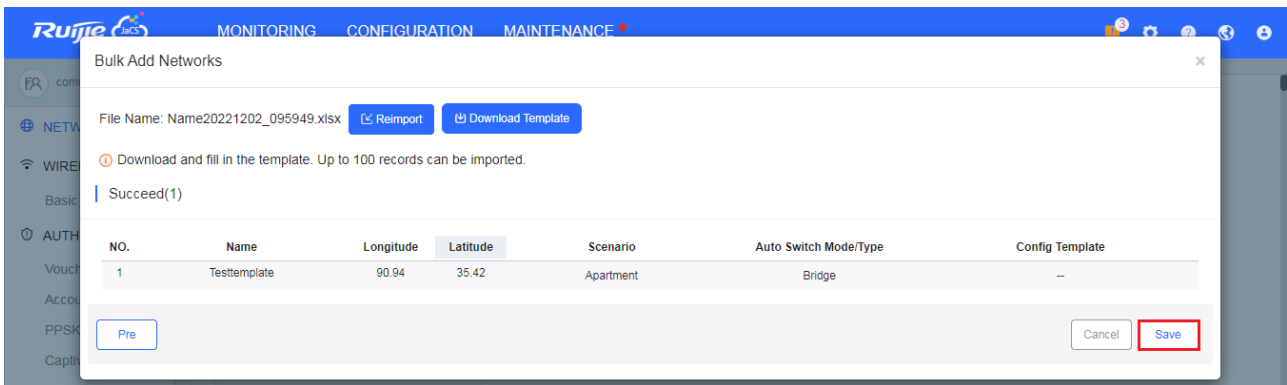
i If a wrong file is imported, an error prompt appears for 3s.

i If a correct file is imported, a confirmation box appears. Click **OK** in the confirmation box to import the file.

When the file is imported, the created networks will be displayed in the **Succeed** list. The networks of which parameters are consistent with other networks will be displayed in the **Failed** list.



Step 5 Click **Save** to complete the import. All the networks created will be displayed in the **CONFIGURATION > NETWORKS** page.

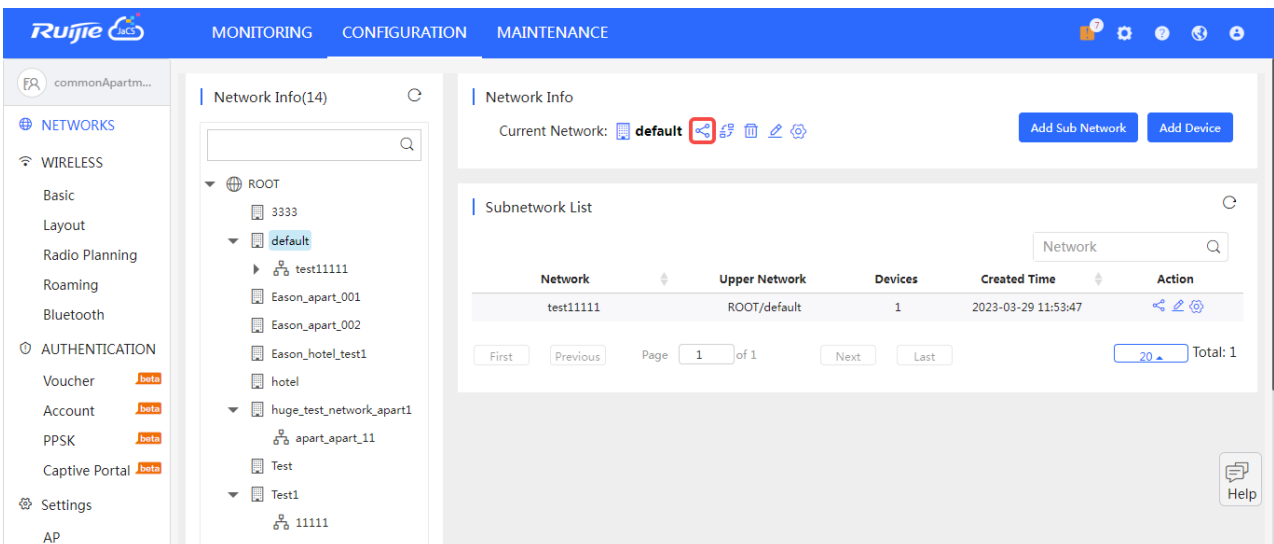


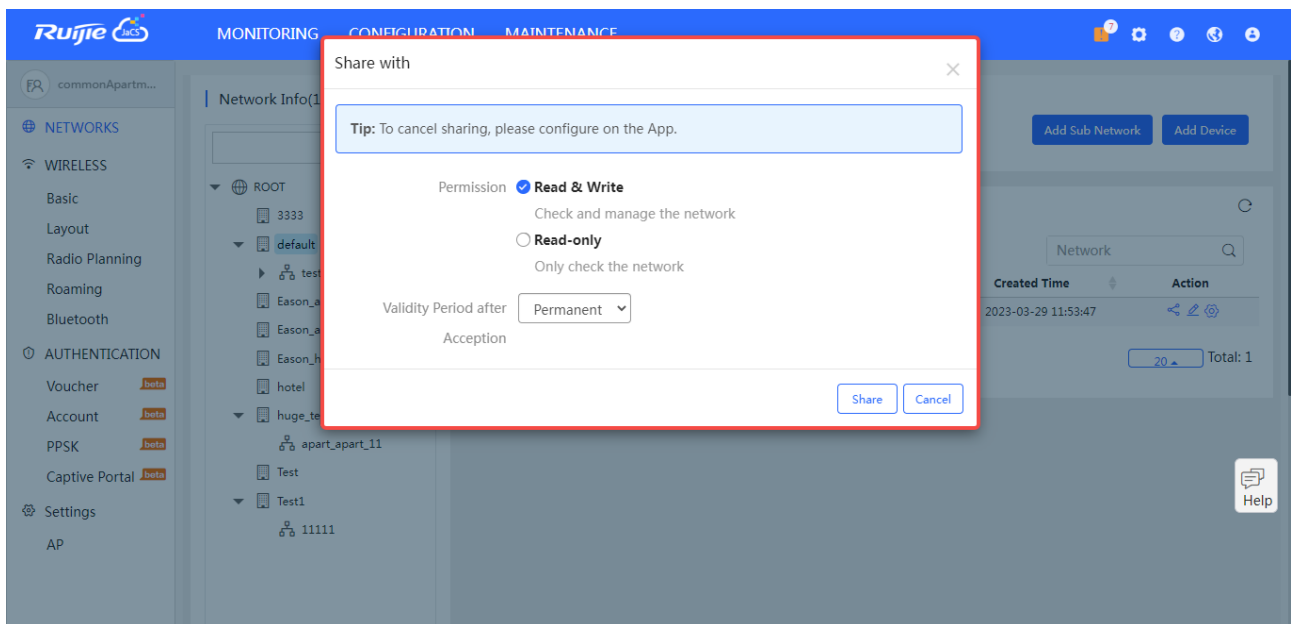
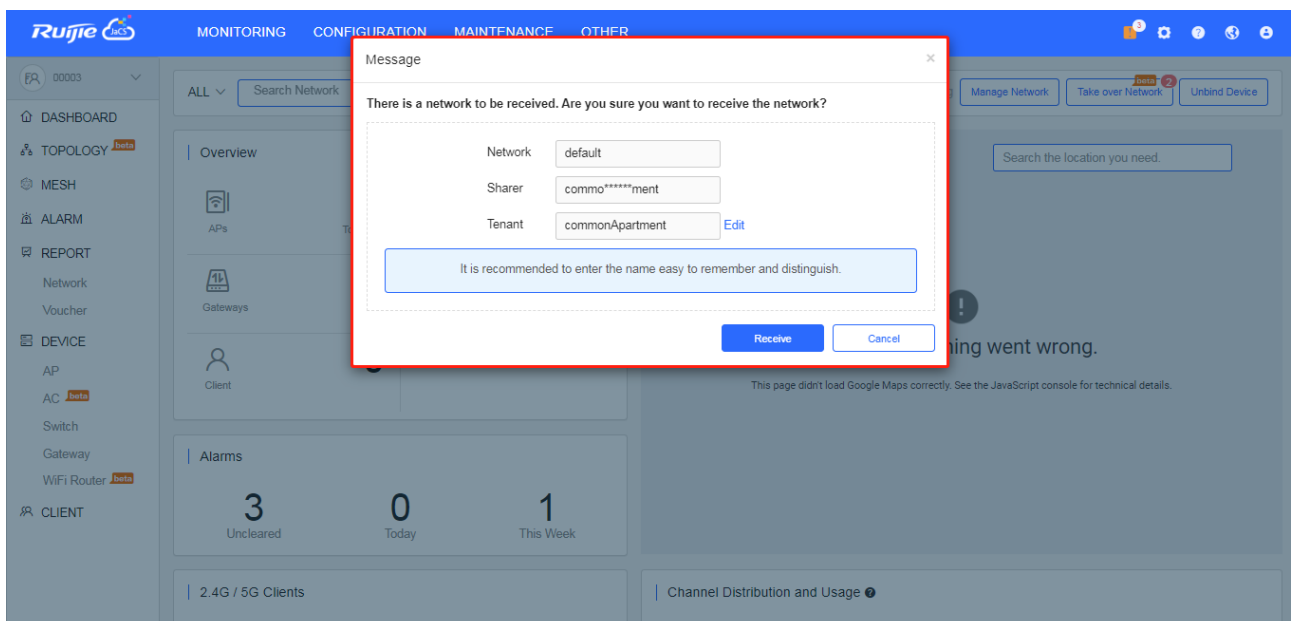
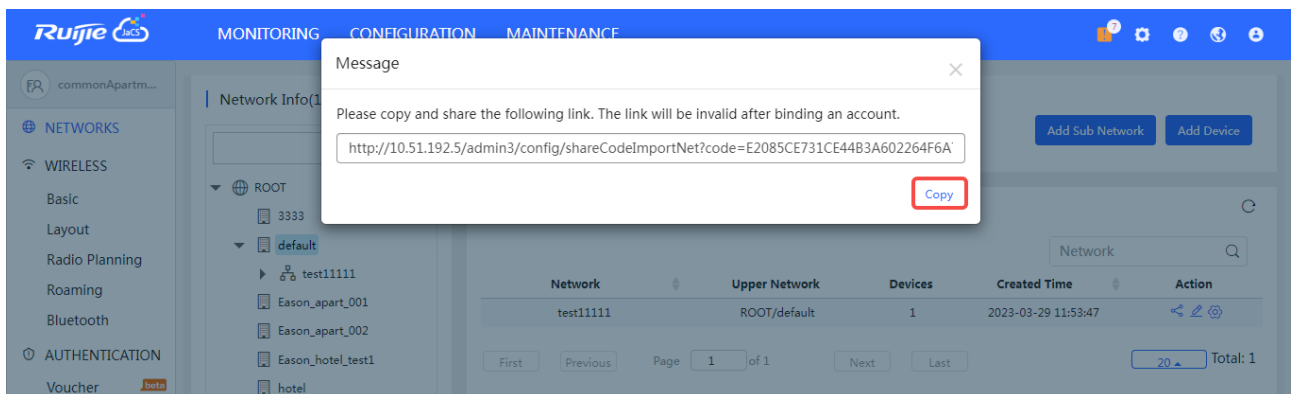
If several users import a same file at the same time, the file imported by the user who clicks **Save** first will be saved, and error prompt will be sent to the rest of the users.


6.1.1.3 Share with

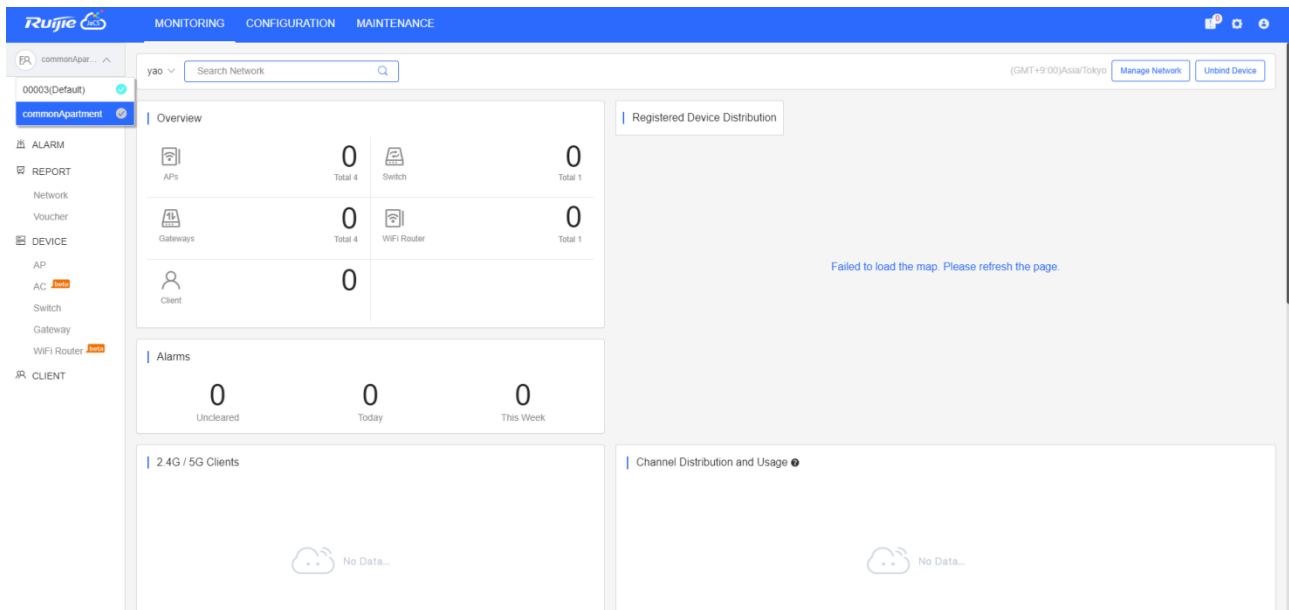
A network can be shared to other users for check and management. You can set the validity so that the network sharing will be canceled after the specified time.

Step 1 Select a network and click the  icon.



Step 2 Specify the permission and validity period.**Step 3** Copy the link and send to the receiver. The receiver can visit the URL and log in to receive the network.

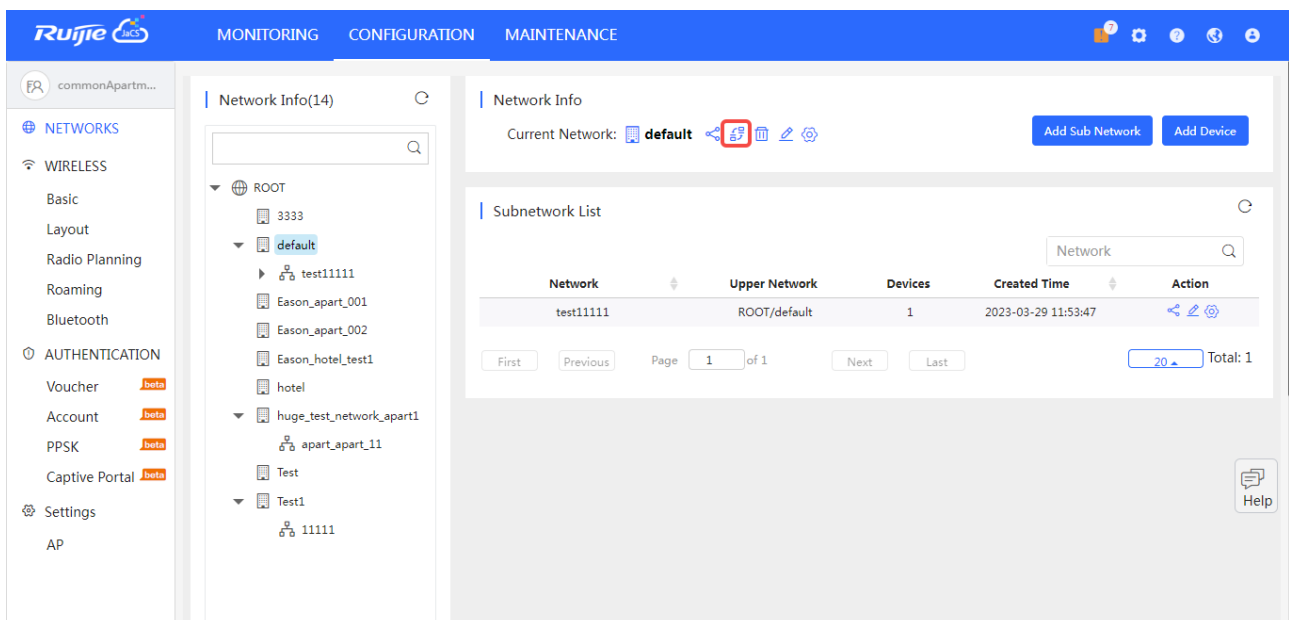
Step 4 Click the  on the upper left corner to switch tenant and check the shared network.



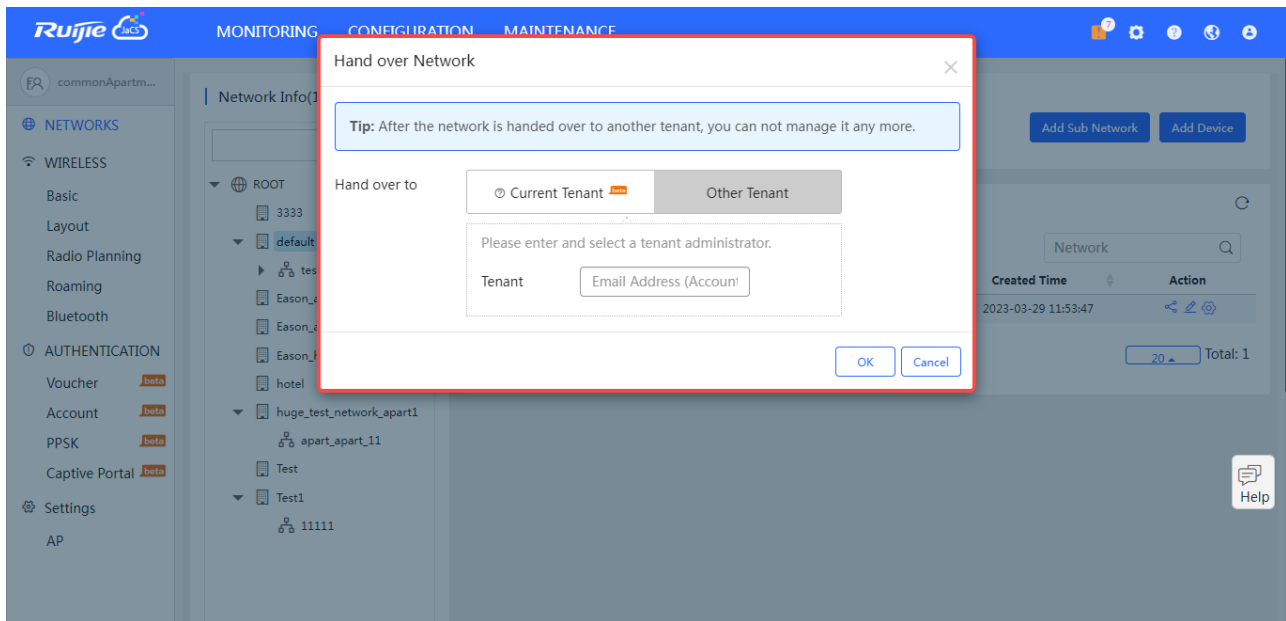
6.1.1.4 Hand over

The network can be handed over to another tenant.

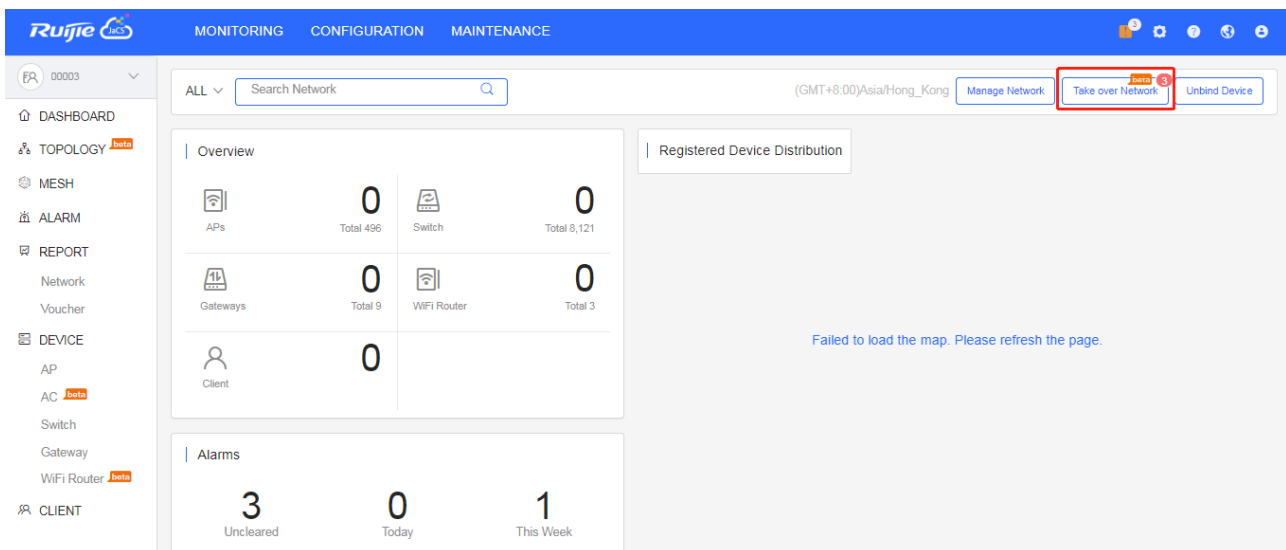
Step 1 Select a network and click the  icon to hand over the network to another tenant.



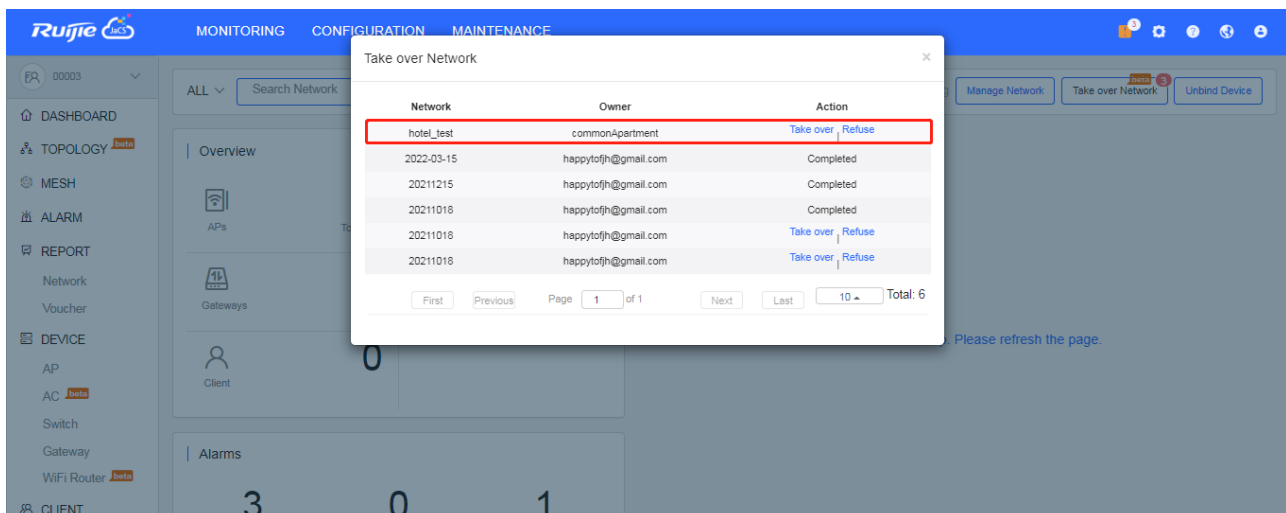
Step 2 Click **Other Tenant** and enter the Email address of tenant, and click **OK**. After the receiver takes over the network, you cannot manage the network anymore.



Step 3 As the receiver logs in to Ruijie JaCS, an icon is displayed on the upper right corner.



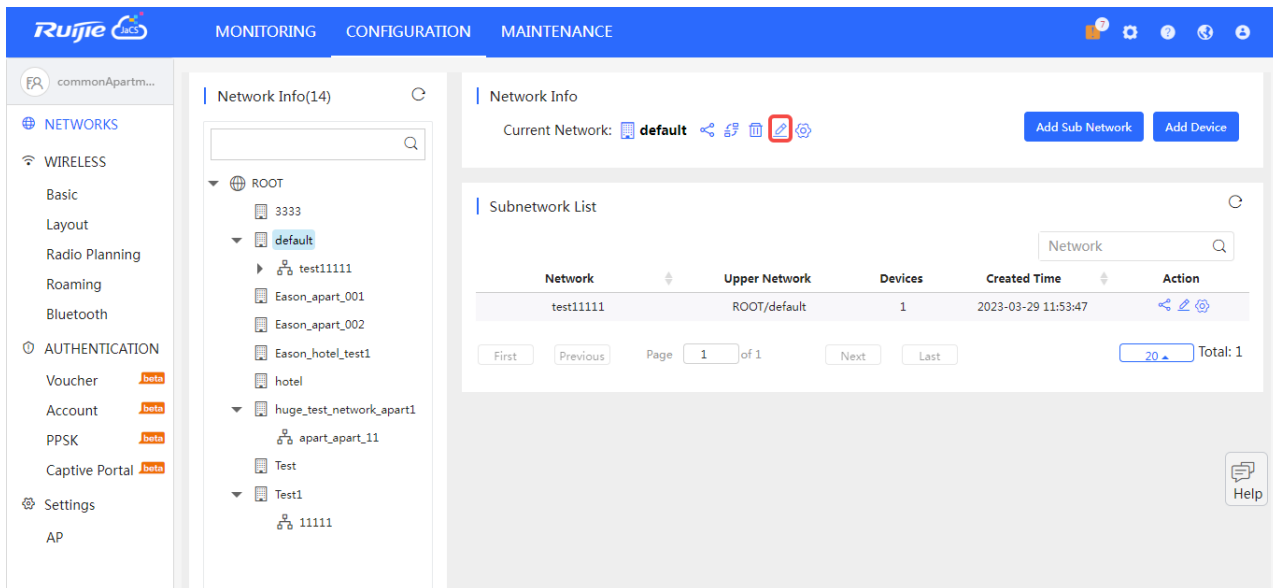
Step 4 Click **Take over Network** to take over or refuse the network.



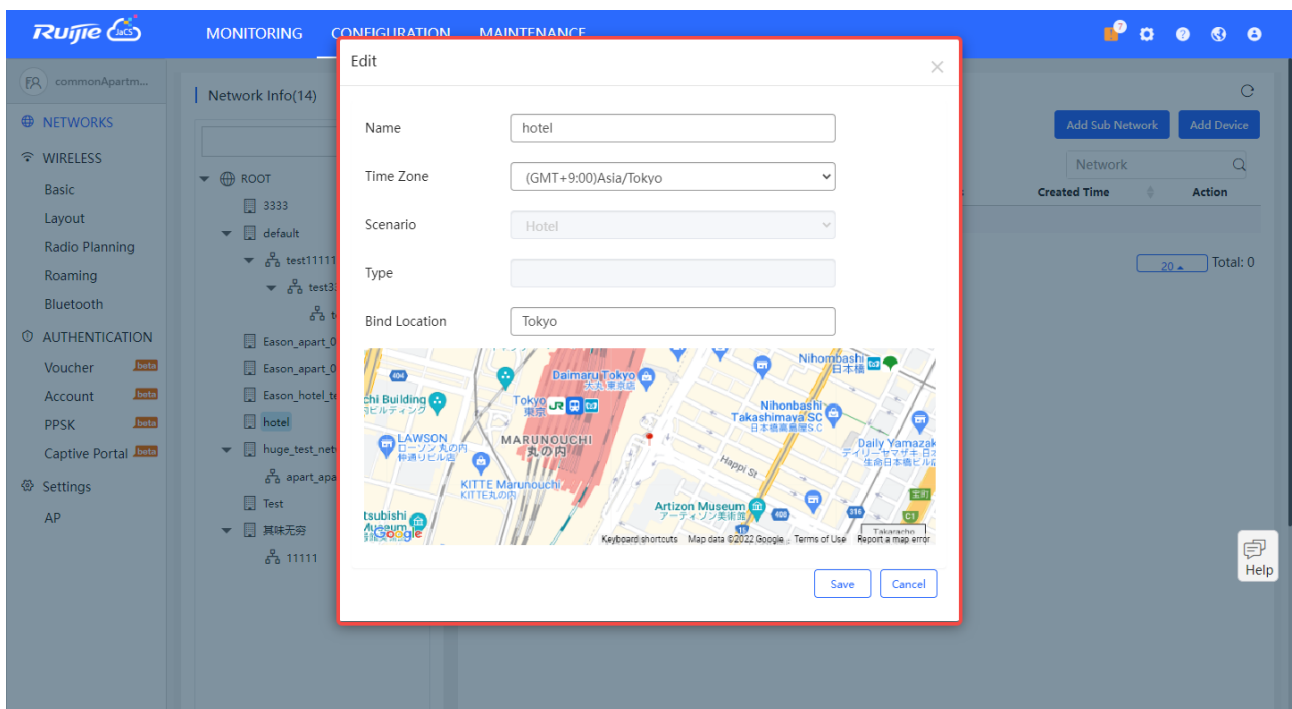
6.1.1.5 Edit

Select the network and click the  icon to edit the network.

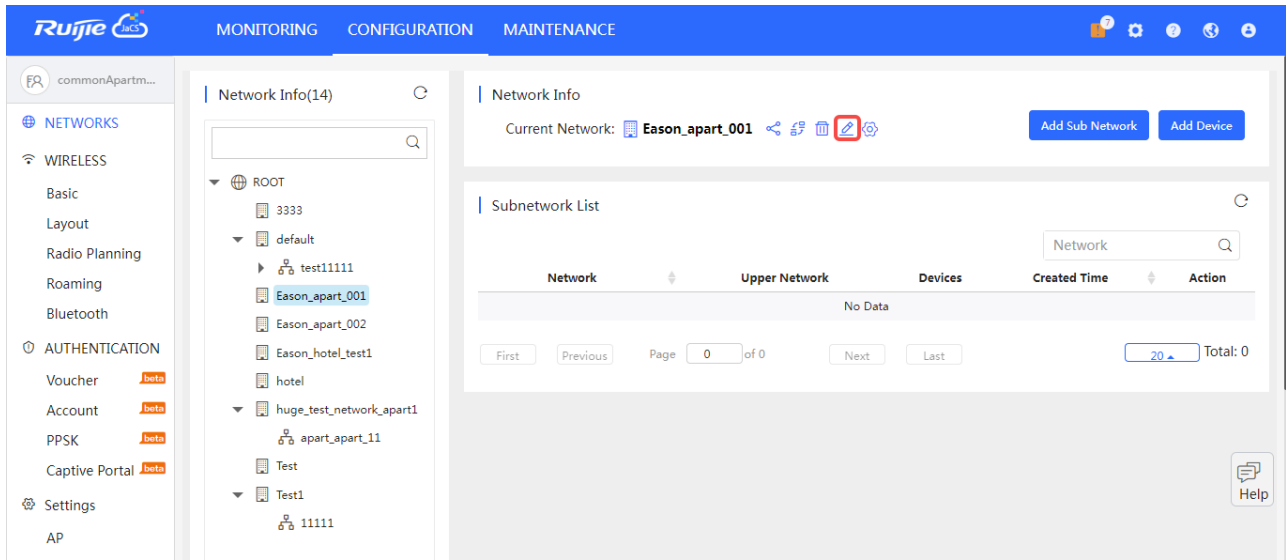
Non-apartment Scenario



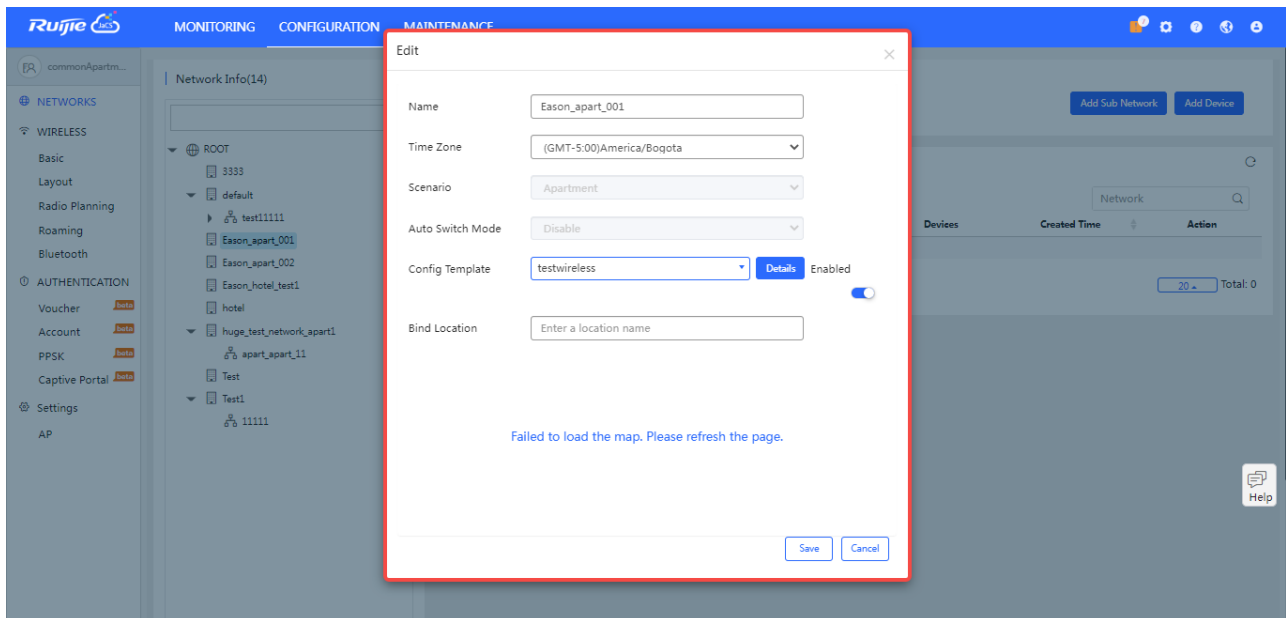
You can edit network name and time zone, and bind location here.



Apartment Scenario

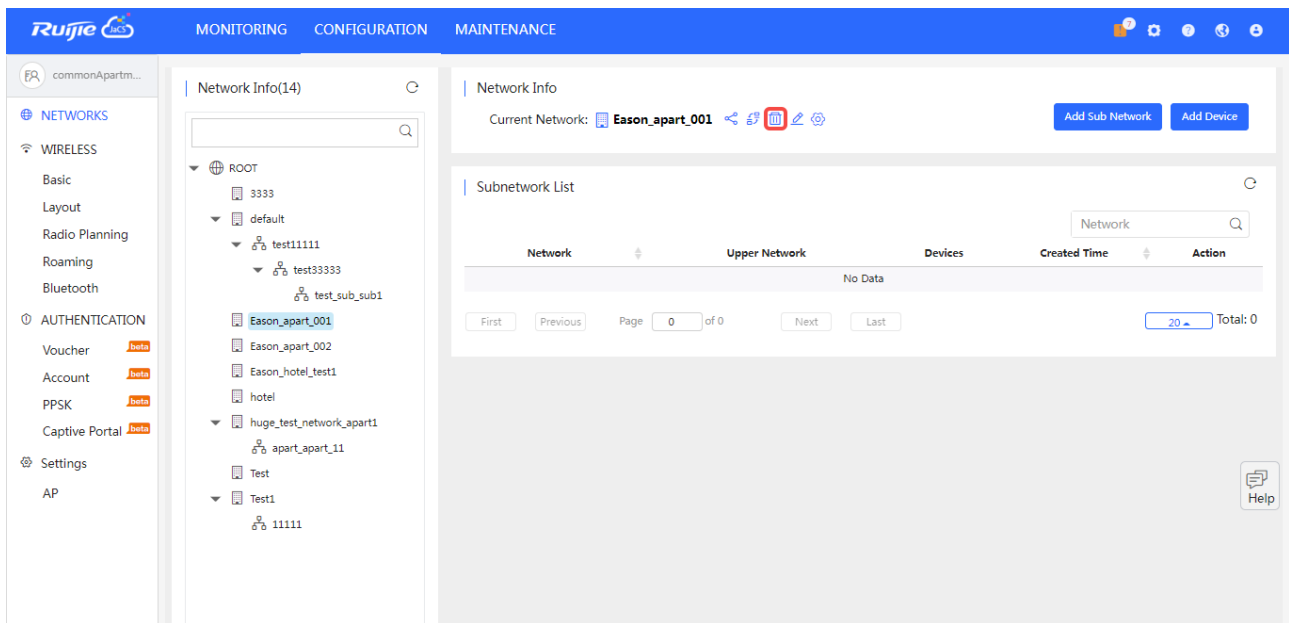


You can edit network name and time zone, bind location and select an initial configuration template here.




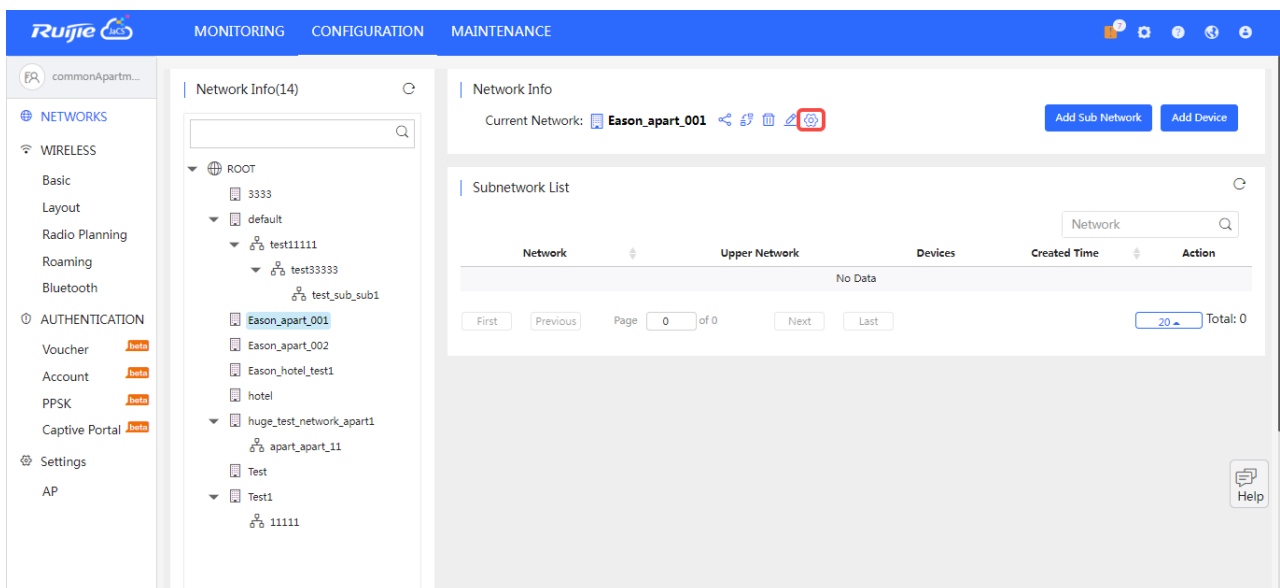
6.1.1.6 Delete

Select the network and click the  icon to delete the network.



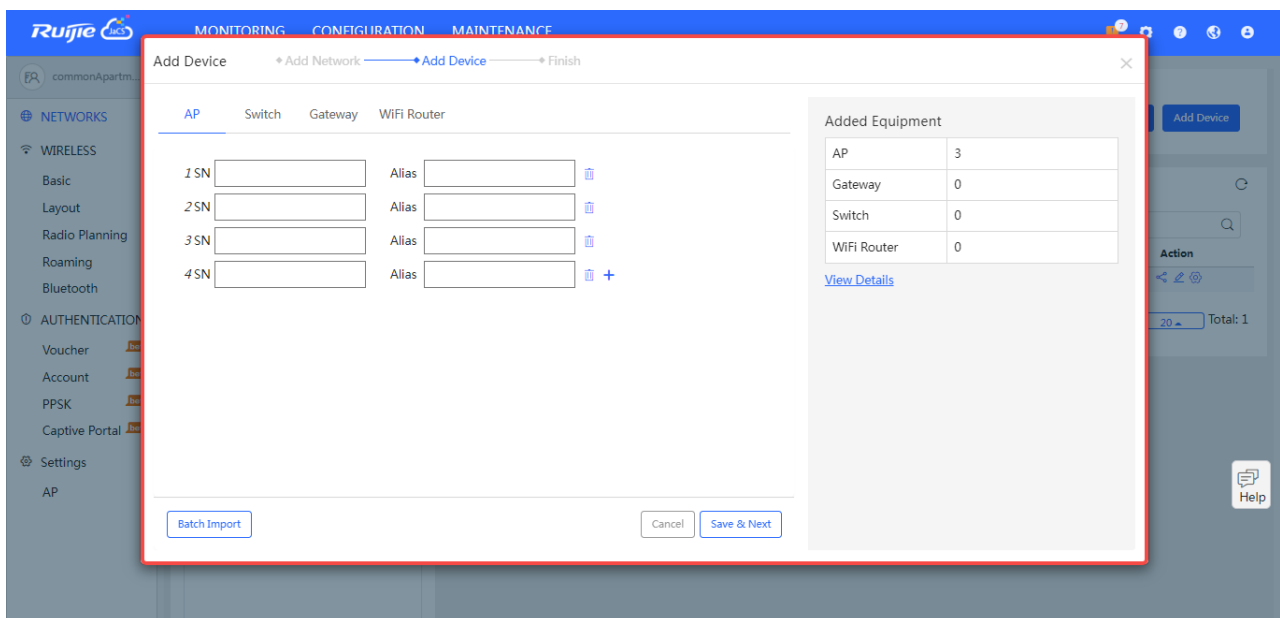
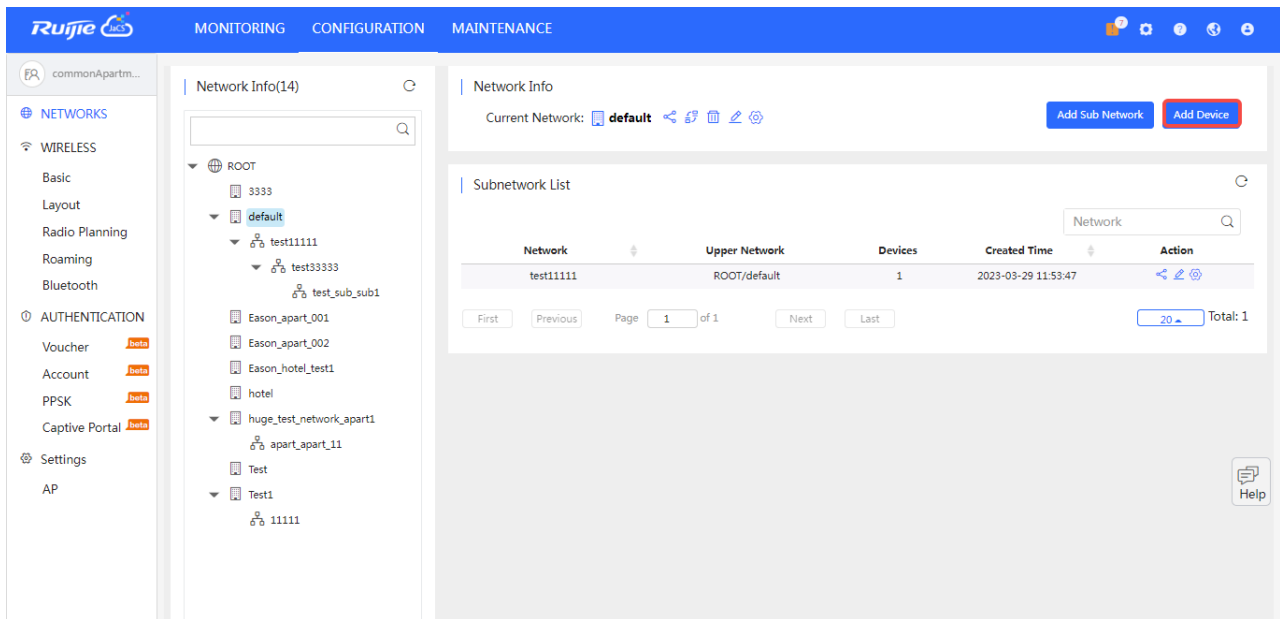
6.1.1.7 Configuration

Select the network and click the  icon on the **Action** column to configure it.



6.1.1.8 Add Device

Click **CONFIGURATION > NETWORKS** to open the page. Choose a network, and click **Add Device** to add APs, switches, gateways, and WiFi routers.



6.1.2 Add Network

Select **CONFIGURATION** > **NETWORKS**, and click **Add Network**.

Network Info(14)

Current Network: **ROOT**

Subnetwork List

Network	Upper Network	Devices	Created Time	Action
Test	ROOT	0	2023-04-13 11:11:13	
Eason_hotel_test1	ROOT	0	2023-03-22 15:17:17	
Test1	ROOT	0	2023-03-22 15:16:48	
Eason_apart_002	ROOT	0	2023-01-30 10:14:02	
3333	ROOT	1	2022-12-20 11:40:15	
huge_test_network_apart1	ROOT	0	2022-12-06 19:27:42	
Eason_apart_001	ROOT	4	2022-11-30 10:05:08	
hotel	ROOT	2	2022-11-25 09:45:31	
default	ROOT	3	2022-11-24 19:33:05	

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Non-apartment Scenario

Enter the network name and specify the network location.

Add Network

Basic

Name: Test 2

Scenario: ☒ Hotel ☐ Apartment ☐ Other

Time Zone: (GMT+9:00)Asia/Tokyo

Type: ☒ Cloud + AP ☐ AC + Fit AP

Bind Location: Enter a location name

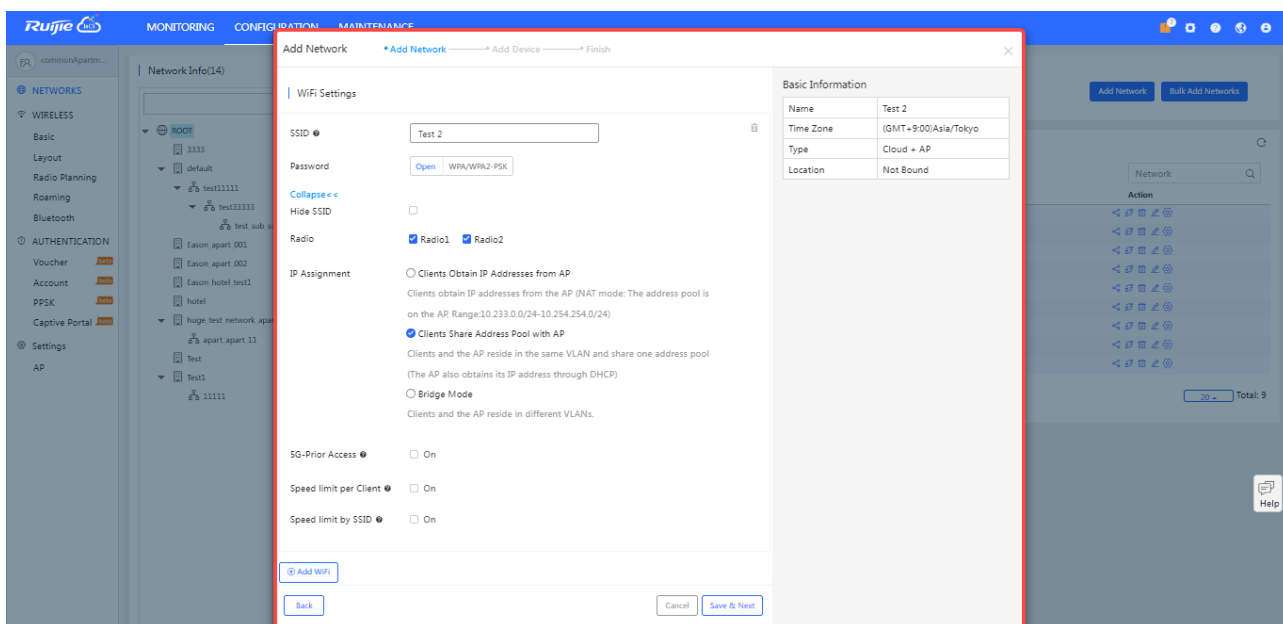
Basic Information

Name	Test 2
Time Zone	(GMT+9:00)Asia/Tokyo
Type	Cloud + AP
Location	Not Bound

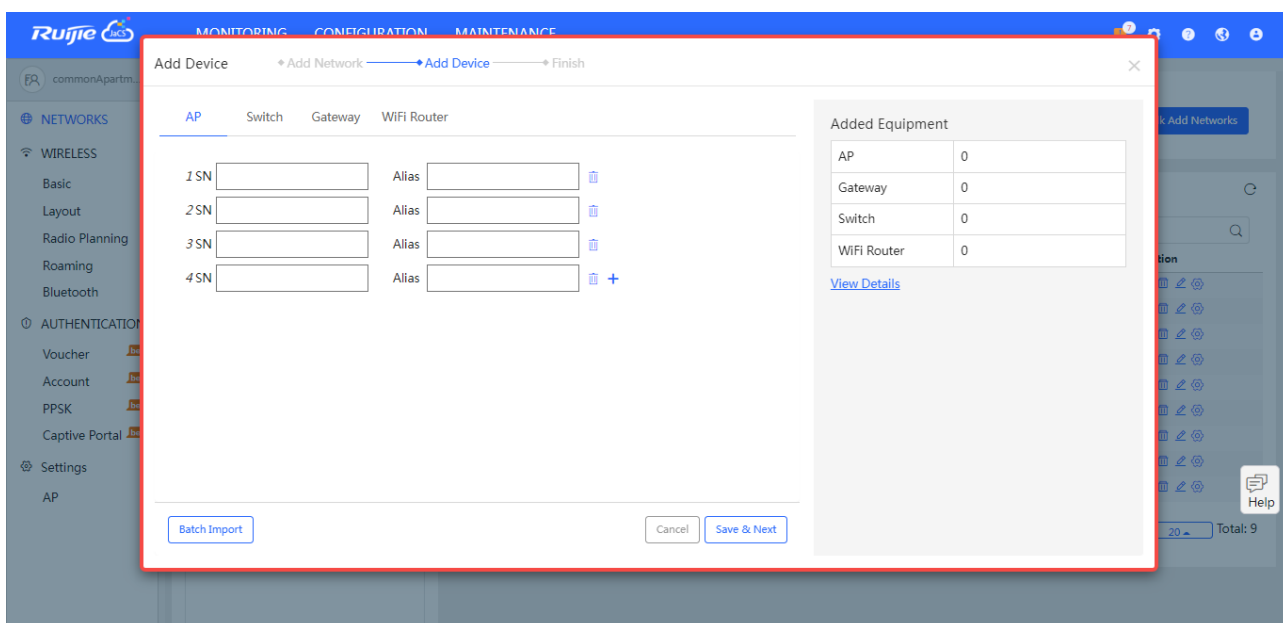
Failed to load the map. Please refresh the page.

Cancel Next

Enter the Wi-Fi information as required, and click **Save & Next**.

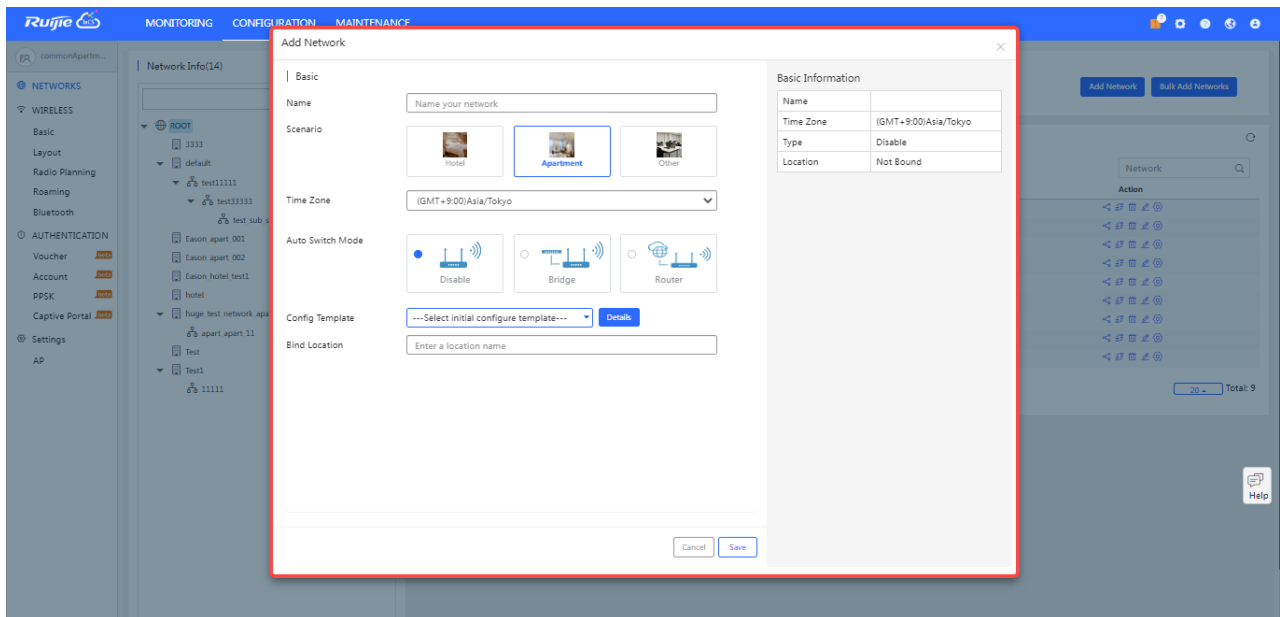


Enter the information of APs, switches and gateways, and click **Save & Next**. Or click **Batch Import** to download the template, enter the device information in the table, and then batch import devices into the system.



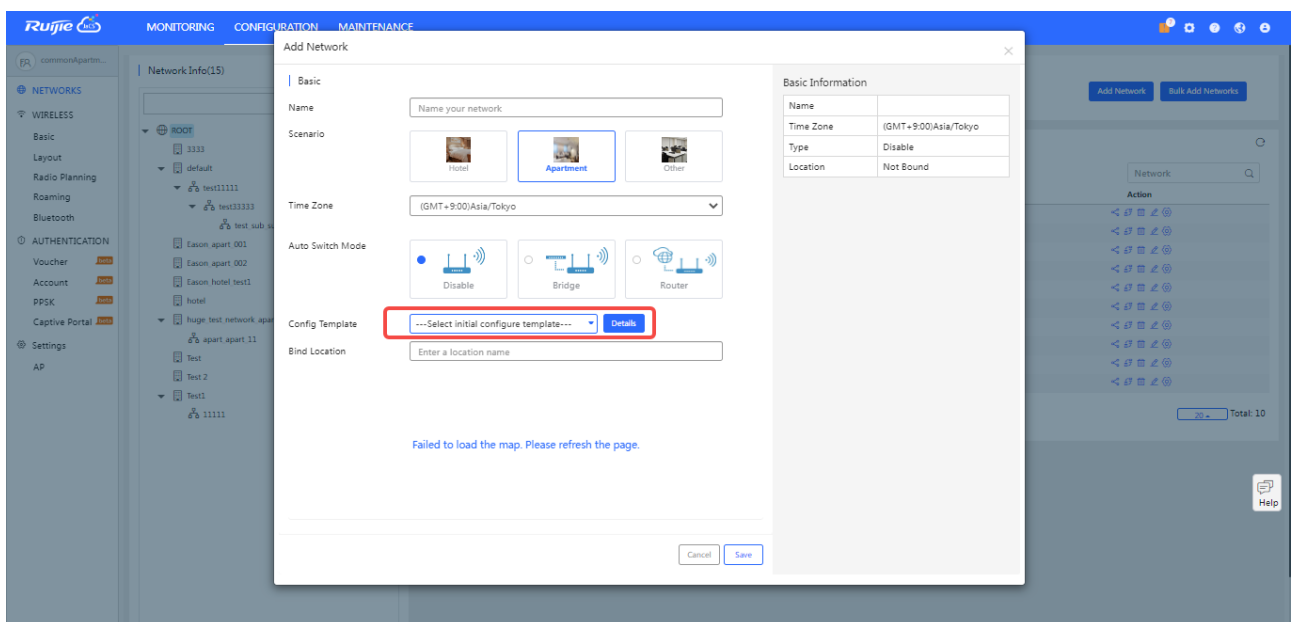
Apartment Scenario

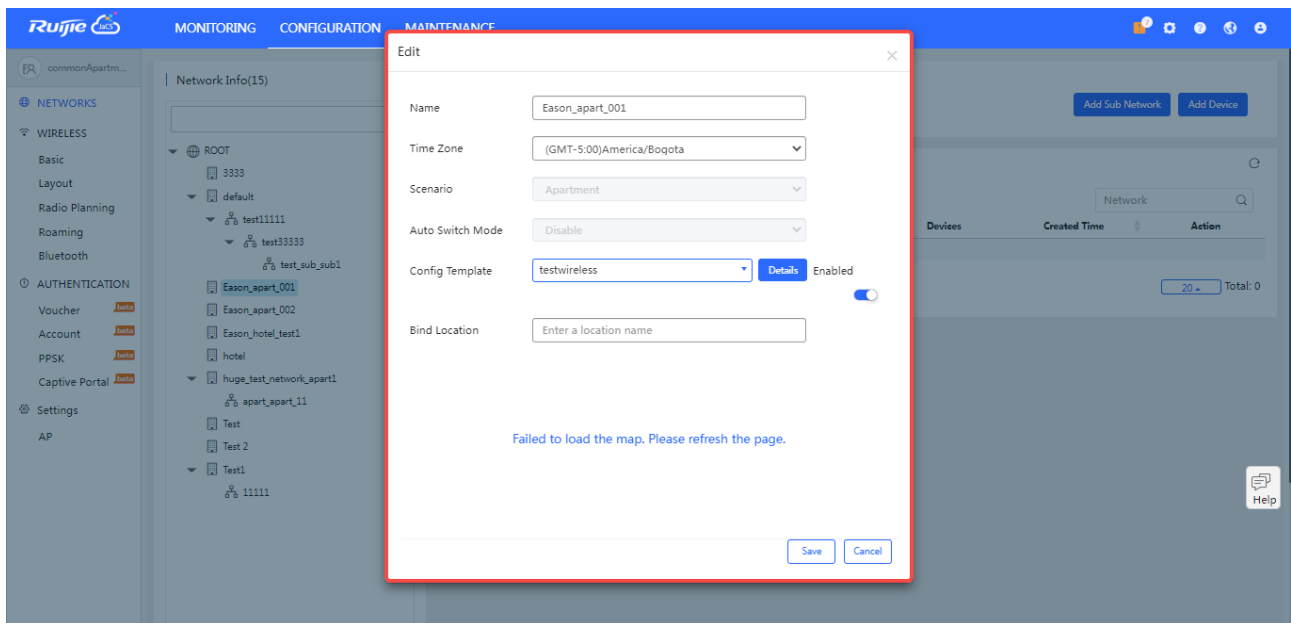
Enter the network name, select the scenario and bind the location.



6.1.3 Initial Configuration Template

When adding or editing an Apartment network, you can decide whether to apply an initial configuration template to the devices in the network. If you select a template and enable it, its configurations will be automatically applied to all AP180 series devices in the network when they are connected to the JaCS for the first time. It should be noticed that the configurations are automatically applied to the devices once only.



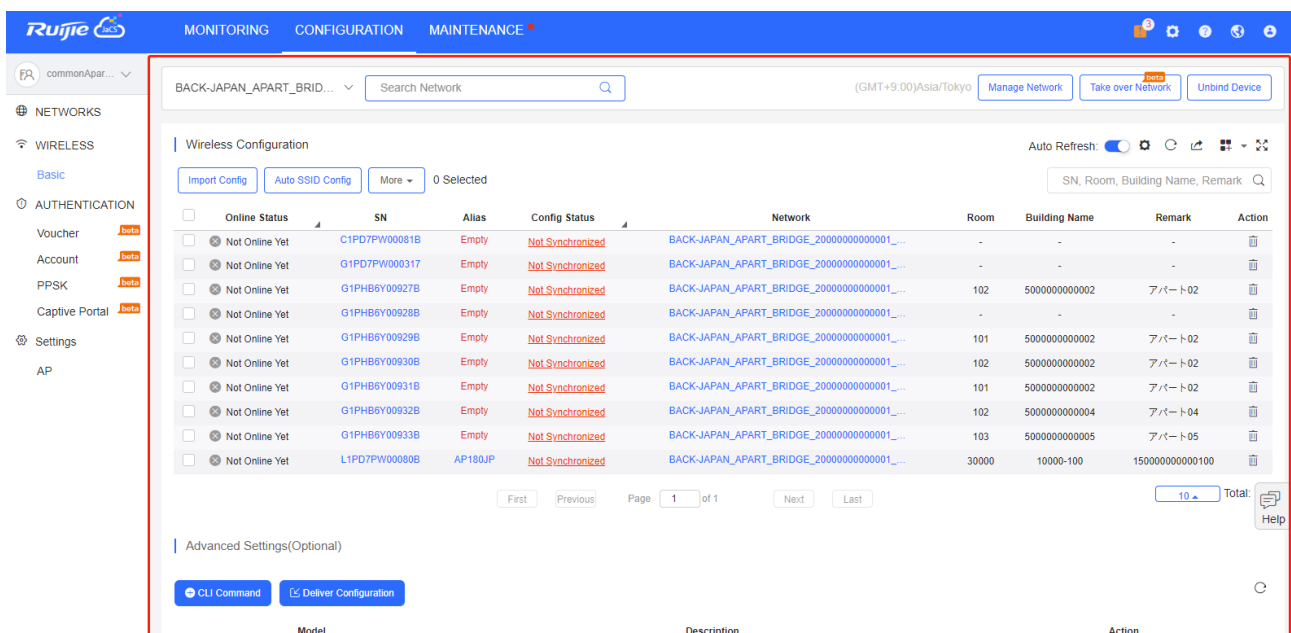


- When an Apartment network is edited, the last-applied initial configuration template is selected automatically. In this case, you need to manually enable or disable it.
- If a device is moved to an Apartment network to which an initial configuration template has been applied, the configurations of the template will automatically be applied to it.

6.2 Wireless

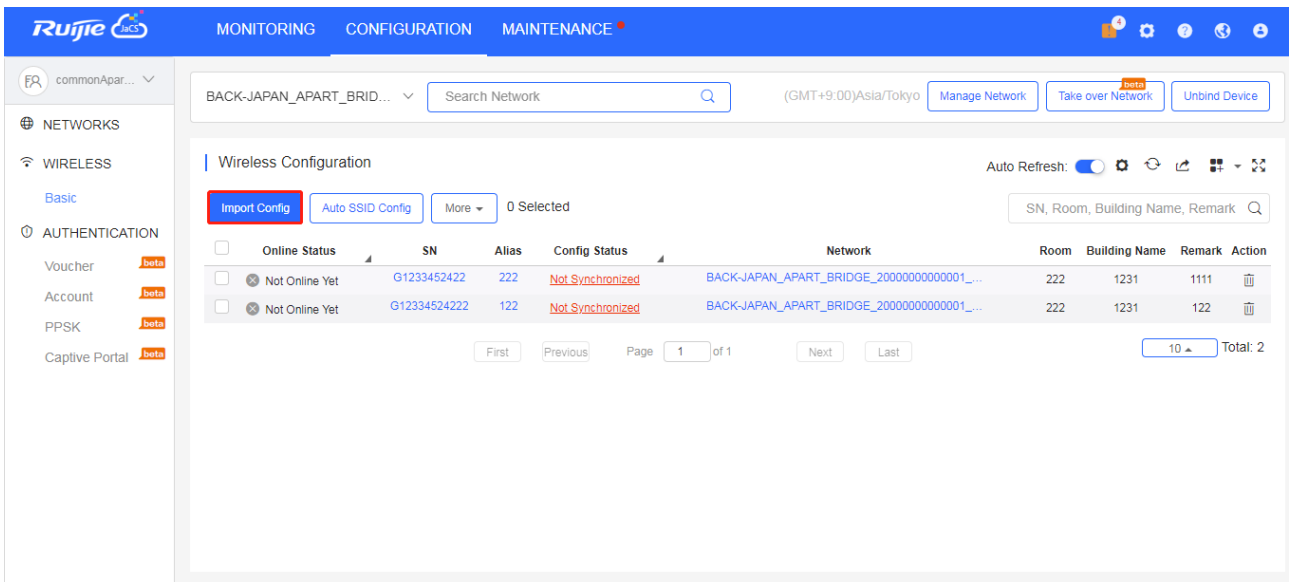
6.2.1 Basic (Apartment Scenario)

Select **CONFIGURATION > WIRELESS > Basic** to configure SSID and password of AP, and to run CLI commands to deliver configurations to the devices in the Apartment scenario.

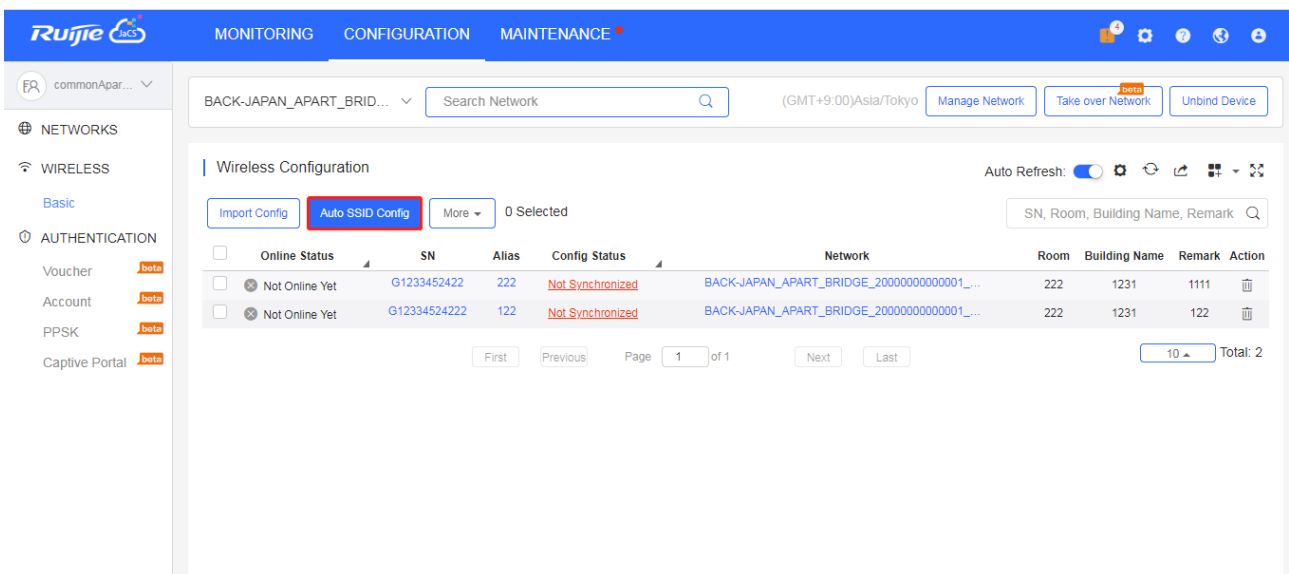


In the apartment scenario, SSID and password can be configured in 2 ways.

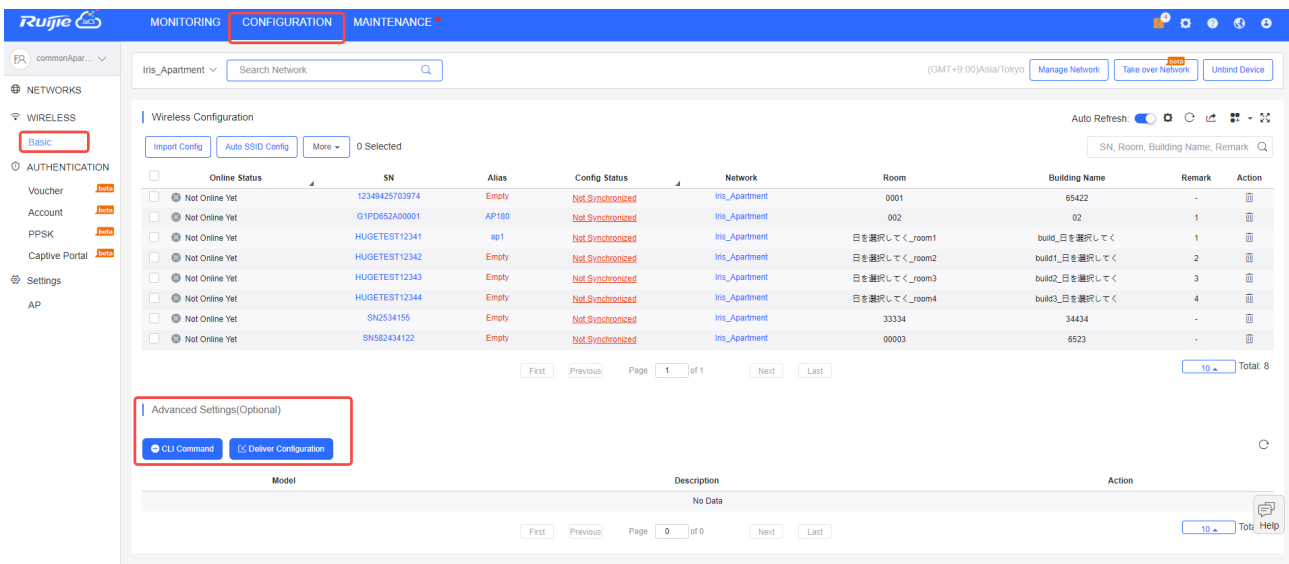
Option 1: Click **Import Config** to manually import SSIDs and passwords in an EXCEL file.



Option 2: Select **Auto SSID Config**. In this way, you don't need to manually configure the SSID and password.

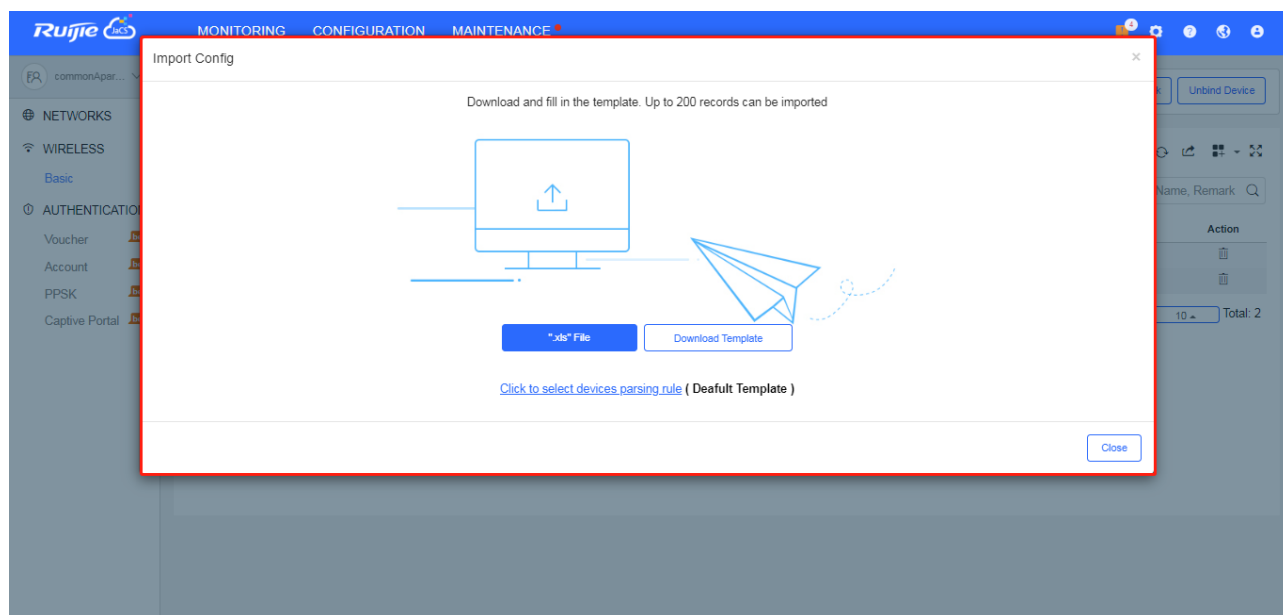


You also can run CLI commands in the **Advanced Settings** to deliver the configurations to the devices in the Apartment scenario.



6.2.1.1 Customize Template Rules

To batch import devices or change SSIDs/passwords, you can customize the importing template.



Click **Click to select devices parsing rule**, the rule customizing page appears.

There will be one default rule.

1 **Add**

2

Check	Name	SnPosition	SsidPosition	SsidPasswordPosition	RoomPosition	BuildingNamePosition	RemarkPosition	Action
<input checked="" type="radio"/>	default	B2	E2	F2	H2	I2	J2	
<input type="radio"/>	0619	A2			C2	D2	B2	
<input type="radio"/>	061901	E2	H2	I2	B2	C2	D2	
<input type="radio"/>	chu_test_21	N14	P14	R14	F14	C14	D14	
<input type="radio"/>	define	P3	R3	T3	H3	D3	F3	

3

4

5 **Previous** 1/5 **Next**

1. **Add** button: Add a new rule

2. Menu bar: Display rule content




- **Name:** User defined name
- **SnPosition:** Specify the starting position of SN in template
- **SsidPosition:** Specify the starting position of SSID in template
- **SsidPasswordPosition:** Specify the starting position of SSID's password in template
- **RoomPosition:** Specify the starting position of room number in template
- **BuildingNamePosition:** Specify the starting position of building name in template
- **RemarkPosition:** Specify the starting position of remark in template



If an entry is left empty, it will not be imported when importing the template.

※User can customize the EXCEL parsing rule from columns A to Z and rows 1 to 15.

3. Check box: Only one rule can be selected at a time
4. Rule control button:

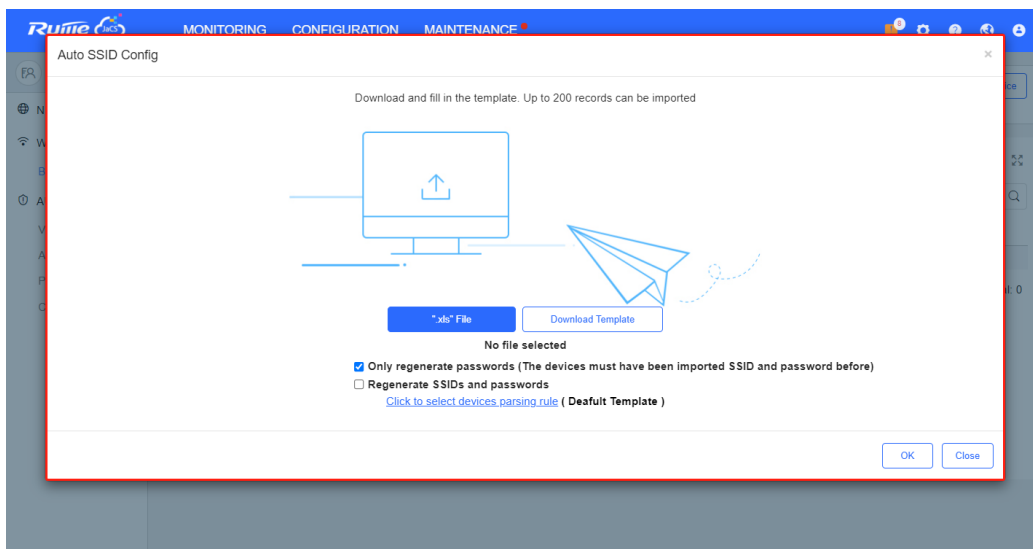
-  : Edit the rule
-  : Delete the rule
-  : Set the rule as default rule

5. Page up and down button

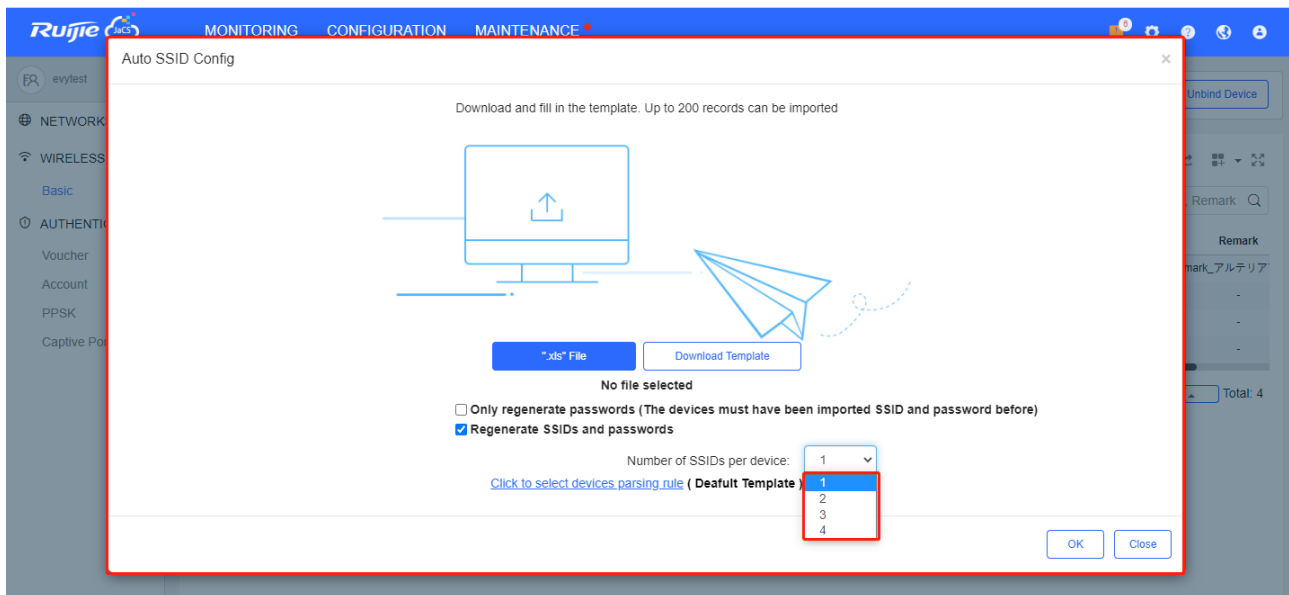
6.2.1.2 Auto SSID Config

Click **Auto SSID Config** to configure the SSID and password automatically.

To configure the password only, select **Only regenerate passwords**.



To configure both the SSID and password, select **Regenerate SSIDs and passwords**. At most 4 SSIDs can be configured.



You can use either custom template or the default template.

- Use Customized Template to Configure SSID/Password

The customized template need to include SN, Building Name, Room Number, SSID, SSID Password, and Remark.

The following is an example to change the SSID and password only:

A	B	C	D	E	F	G
Building Name	Room					
100001	203					
100001	204					
100001	205					

The custom rule may be set as below:

- Name: ModifySSID
- snPosition:
- ssidPosition:
- ssidPasswordPosition:
- roomPosition: B2
- buildingNamePosition: A2
- RemarkPosition:

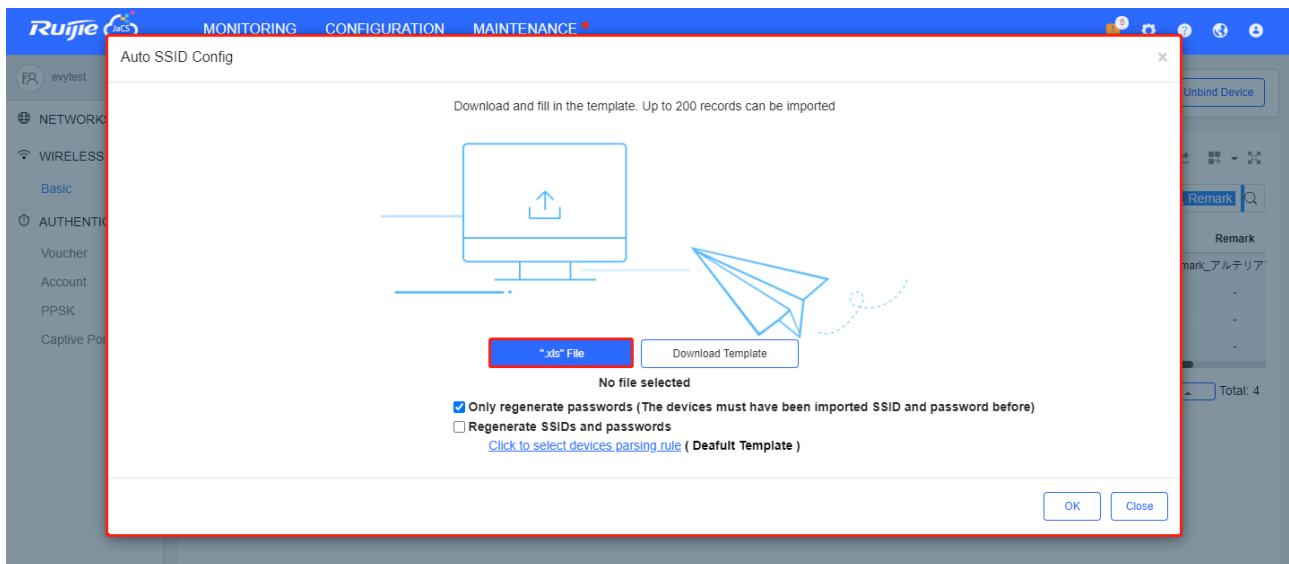
※If Remark is filled in EXCEL file, the former remark saved in the Cloud will be overwritten.

- Use Cloud's Default Template to Configure SSID/Password

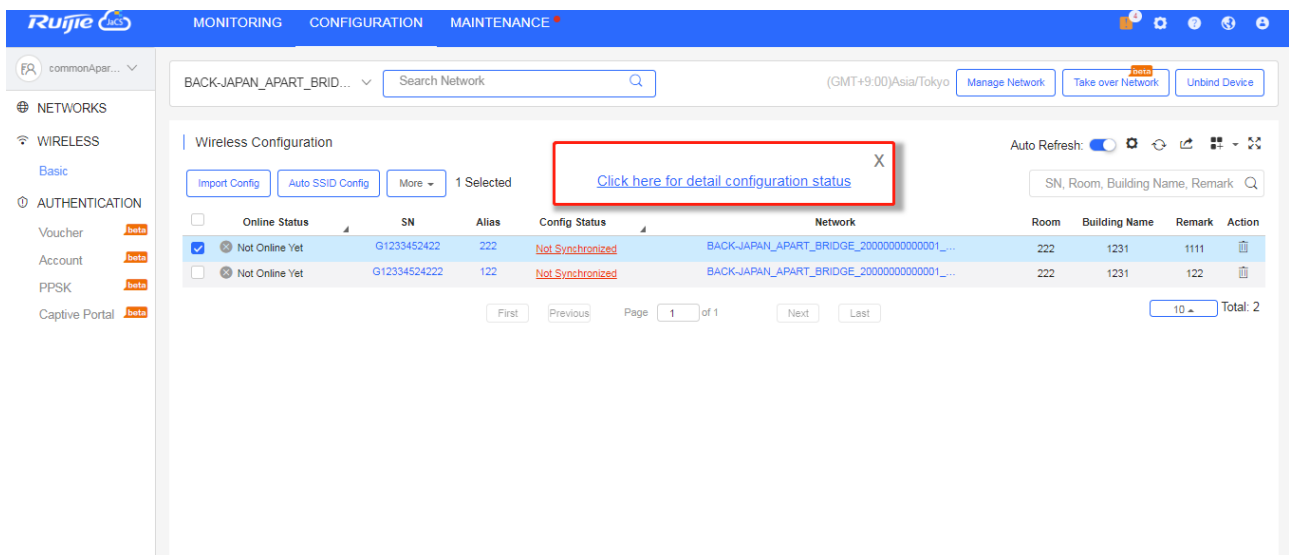
Download the template and fill the information as below:

SN	Remark	Room	Building Name
SN100001	10111	203	building1
SN10002	10112	204	building2

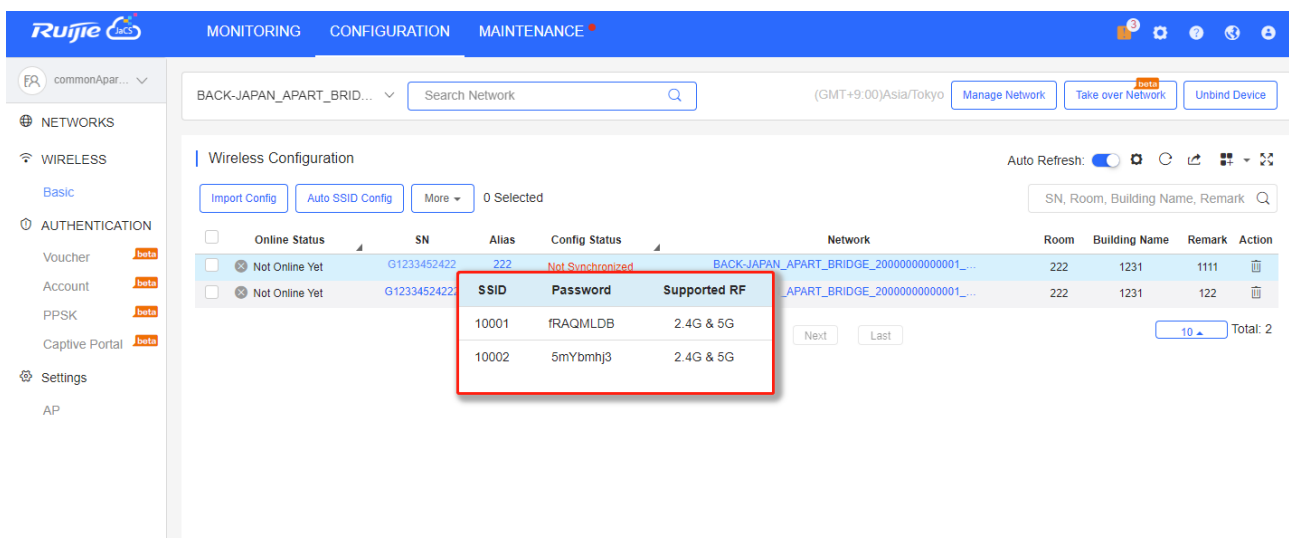
Import the template.



After the template is successfully imported, a prompt will be displayed. Click the prompt to open the Config Log page, and export the SSID configuration result.



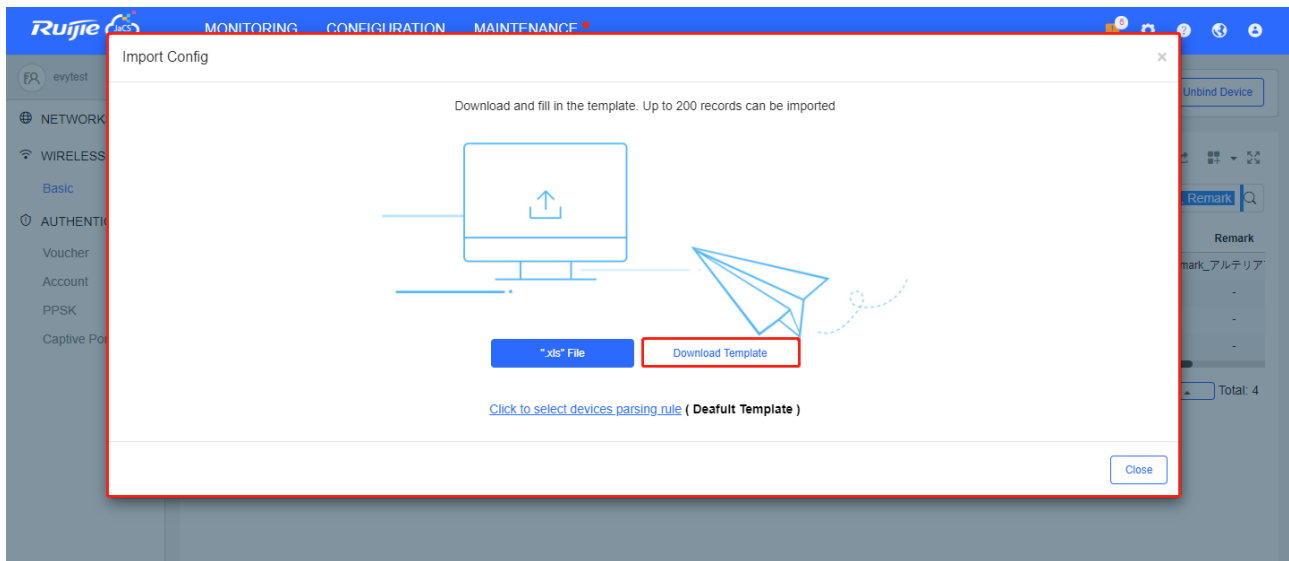
To view the configuration result of the specified device, you can also point to the device **SN** to check the SSID/password. You also can view the supported RF of the device.



6.2.1.3 Import Config

- Use Default Template to Import SSID and Password

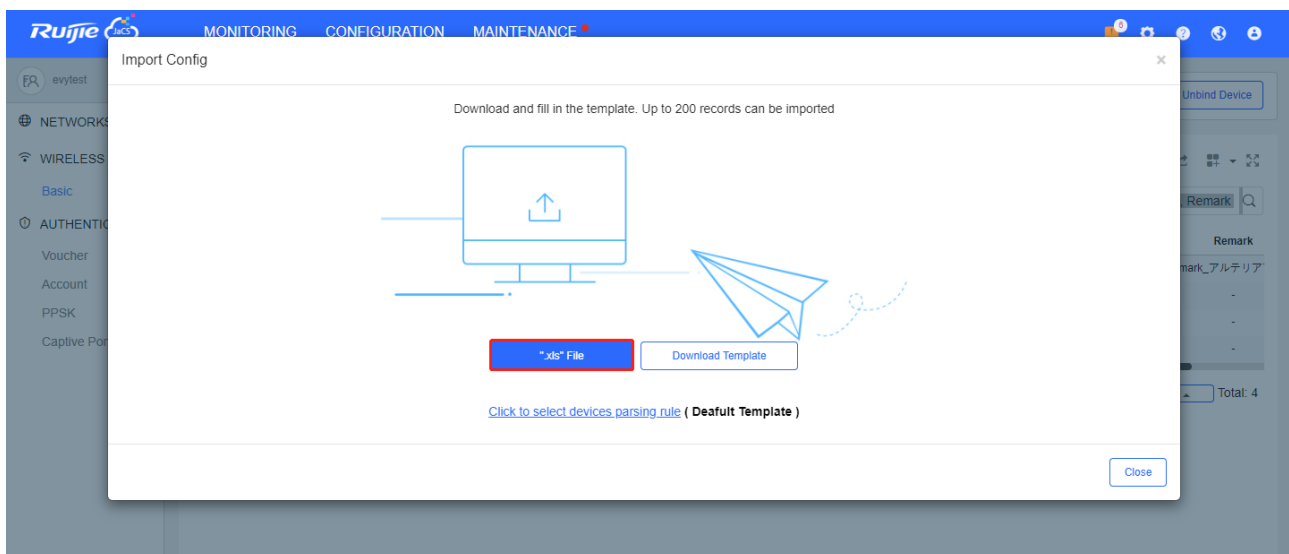
Click **Download Template**.



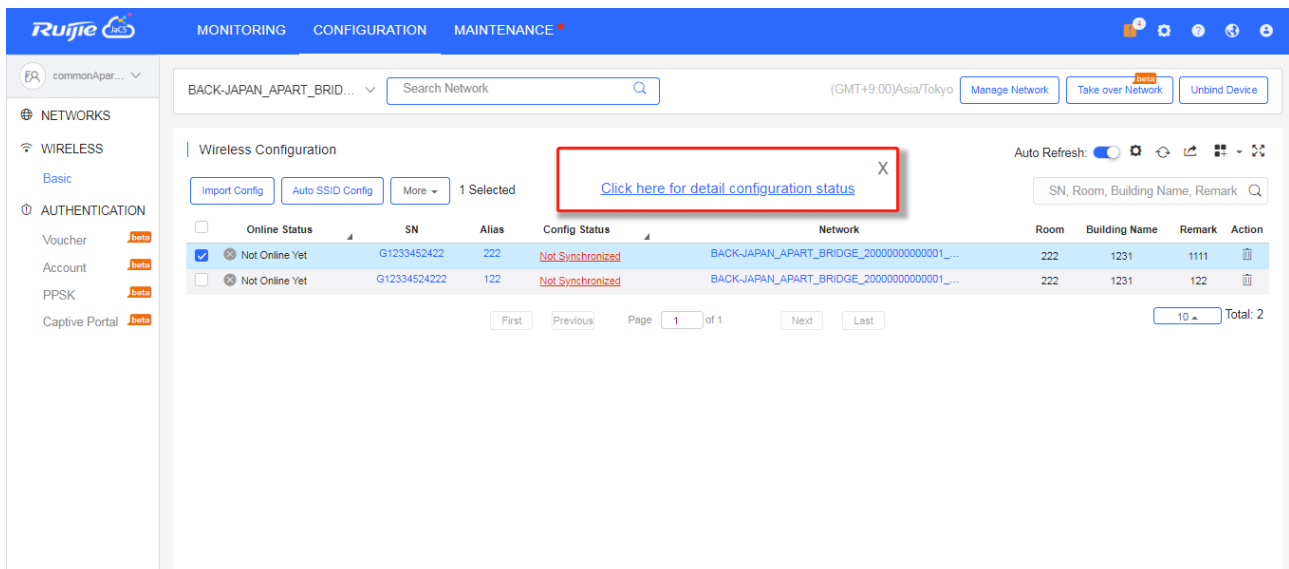
Enter SSID and password. Each AP supports at most 4 SSIDs, and SSIDs and passwords need to be separated by ','.

	A	B	C	D	E	F	G	H	I	J
1	Model	SN	MAC	PN	SSID	SSID Password	Alias	Room	Building Name	Remark
2		G1233452422			10001,10002	66666666,88888888				
3										

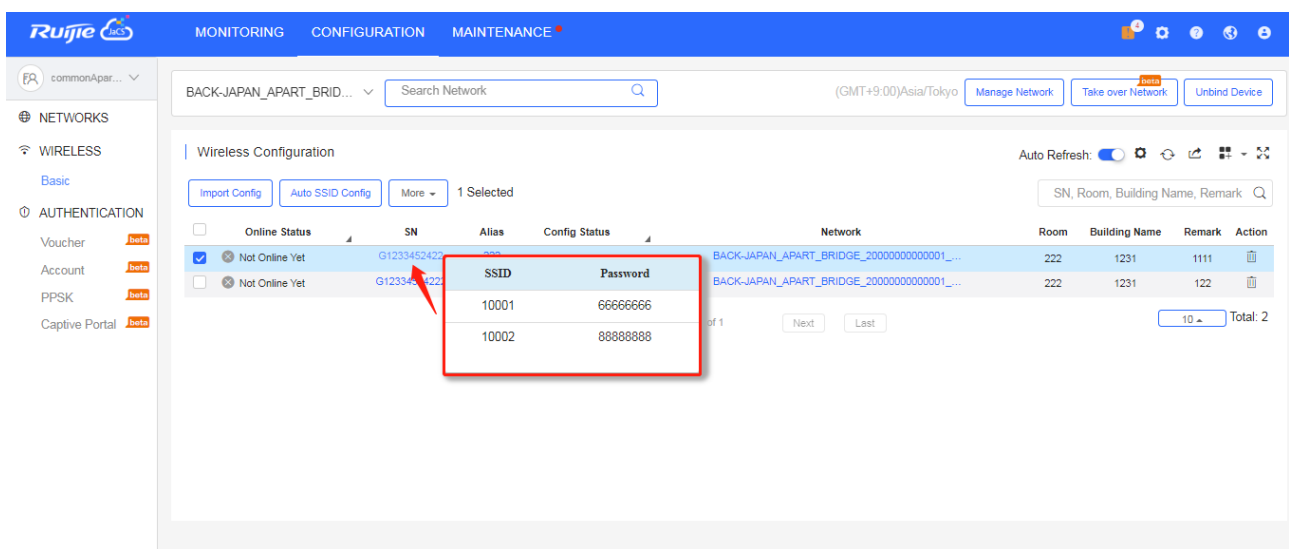
Click **“.xls” File** to import the template.



After the template is successfully imported, a prompt will be displayed. Click the prompt to open the Config Log page, and export the SSID configuration result.



To view the configuration result of the specified device, you can also point to the device SN to check the SSID/password.



● Use Customized Template to Import SSID and Password

The operation is almost the same with that in **Auto SSID Config**. The only difference is that you need to fill in the SSID and password to be changed in the template.

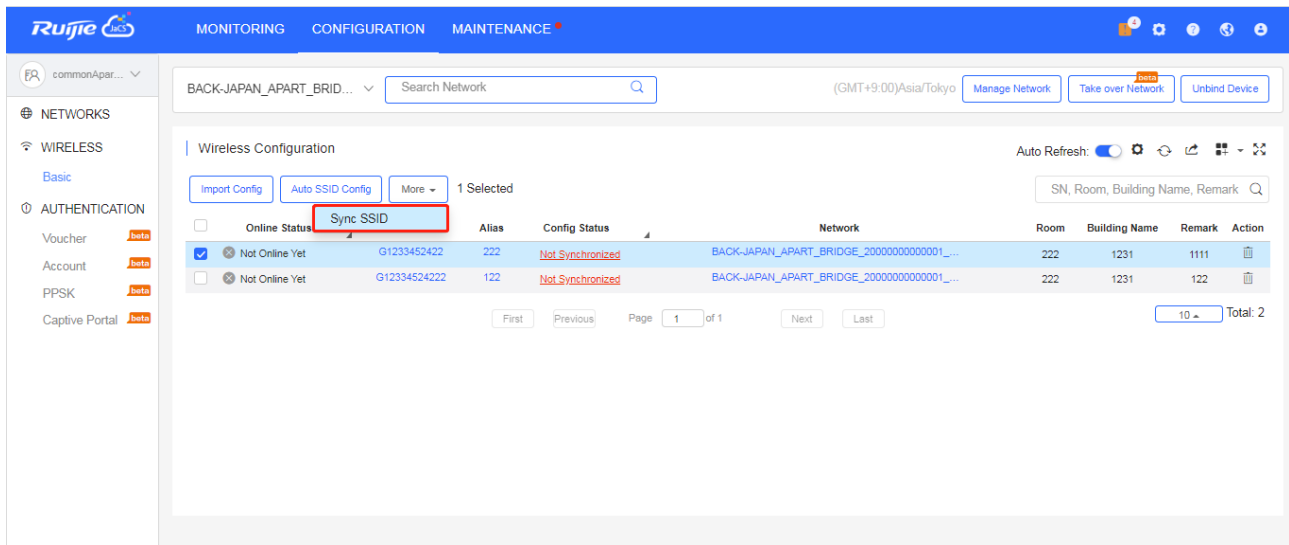
The custom rule may be set as below:

- Name: ModifySSID
- snPosition:
- ssidPosition: G3
- ssidPasswordPosition: H3
- roomPosition: C3
- buildingNamePosition: B3
- remarkPosition: D3

※If Remark is filled in EXCEL file, the former remark saved in the Cloud will be overwritten.

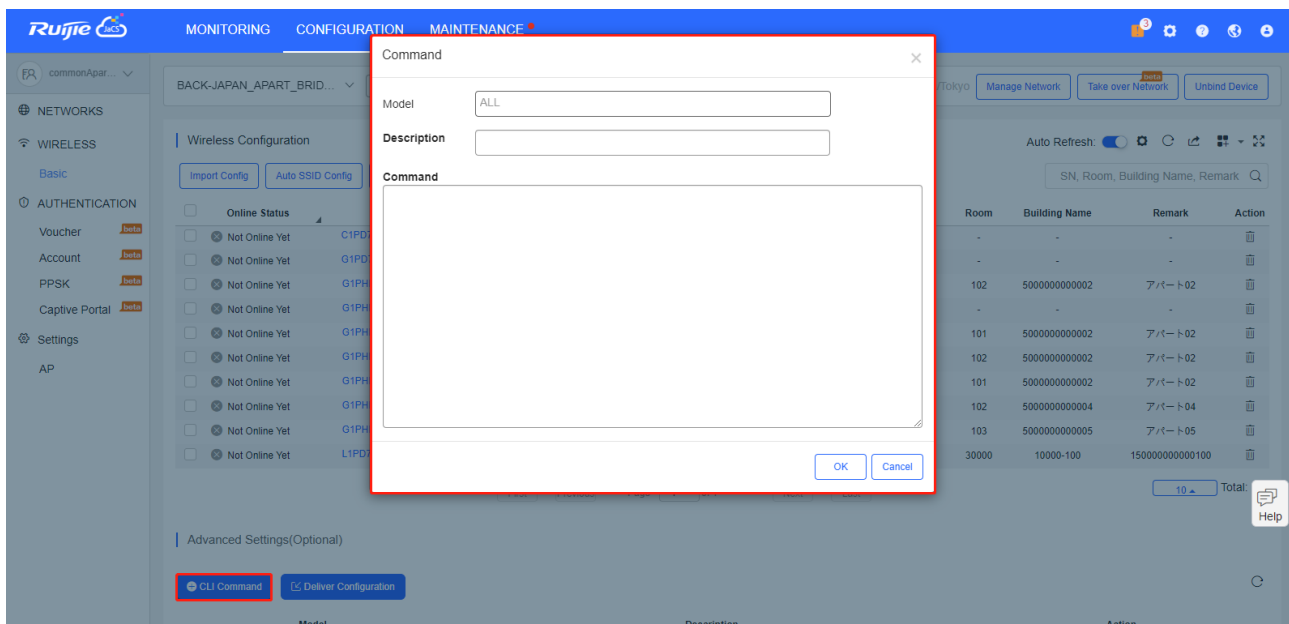
6.2.1.4 More > Sync SSID

Select devices to be synchronized, and click **More > Sync SSID** to synchronize the SSIDs and passwords of the devices. A maximum of 100 devices can be selected. After the synchronization, synchronized SSIDs and passwords are displayed.



6.2.1.5 CLI Command

- Step 1** Click **CLI Command** to open the setting page.
- Step 2** Specify the device model. You can select **All** to deliver the configuration to all devices or select a specific device module.
- Step 3** Edit CLI commands. Then, click **OK**.



Step 4 Click **Deliver Configuration** to deliver the configuration to the device.

The screenshot shows the Ruijie Cloud web interface. The left sidebar has a menu with 'NETWORKS' expanded, showing 'WIRELESS' and 'AUTHENTICATION'. The main area is titled 'Wireless Configuration' and shows a table of network configurations. The 'Deliver Configuration' button is highlighted in the 'Advanced Settings(Optional)' section.

Online Status	SN	Alias	Config Status	Network	Room	Building Name	Remark	Action
<input type="checkbox"/> Not Online Yet	12349425703974	Empty	Not Synchronized	Iris_Apartment	0001	65422	-	
<input type="checkbox"/> Not Online Yet	G1PD852A00001	AP180	Not Synchronized	Iris_Apartment	002	02	1	
<input type="checkbox"/> Not Online Yet	HUGETEST12341	ap1	Not Synchronized	Iris_Apartment	日を選択して<_room1	build_日を選択して<	1	
<input type="checkbox"/> Not Online Yet	HUGETEST12342	Empty	Not Synchronized	Iris_Apartment	日を選択して<_room2	build1_日を選択して<	2	
<input type="checkbox"/> Not Online Yet	HUGETEST12343	Empty	Not Synchronized	Iris_Apartment	日を選択して<_room3	build2_日を選択して<	3	
<input type="checkbox"/> Not Online Yet	HUGETEST12344	Empty	Not Synchronized	Iris_Apartment	日を選択して<_room4	build3_日を選択して<	4	
<input type="checkbox"/> Not Online Yet	SN2534155	Empty	Not Synchronized	Iris_Apartment	33334	34434	-	
<input type="checkbox"/> Not Online Yet	SN582434122	Empty	Not Synchronized	Iris_Apartment	00003	6523	-	

Advanced Settings(Optional)

CLI Command **Deliver Configuration**

Model	Description	Action
ALL	Test	

6.2.2 Basic (Non-apartment Scenario)

If a network is not configured, it will inherit configuration from its parent network by default. You can create or import a configuration file from other networks. Note that if there is any captive portal template unavailable for the network, the configuration file cannot be imported.

The screenshot shows the Ruijie Cloud web interface. The left sidebar has a menu with 'NETWORKS' expanded, showing 'WIRELESS' and 'AUTHENTICATION'. The main area is titled 'Wireless Configuration' and shows a table of network configurations. The 'Import' button is highlighted in the 'Wireless Configuration' section.

WLAN ID	SSID	Encryption Mode	Hidden	Forward Mode	Radio	Auth Mode	Action
1	hand_test	Open	No	Bridge	1,2	Auth Disabled	
2	evy_japan2	Open	No	Bridge	1,2	Auth Disabled	
3	00000JAPAN	Open	No	NAT	1,2,3	Auth Disabled	-

Radio

Radio1(2.4GHz) ON/OFF ☒ Max Clients 32

Radio2(5GHz) ON/OFF ☒ Max Clients 32

Radio 1 (2.4GHz or 5GHz) ☒ Scan ☐ Access ON/OFF ☒ Max Clients 32

Click **Save** to configure the network.

The screenshot shows the Ruijie Cloud management interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar shows NETWORKS and WIRELESS. The main content area is titled 'Wireless Configuration' and contains a table for SSID configuration and a section for Radio settings.

WLAN ID	SSID	Encryption Mode	Hidden	Forward Mode	Radio	Auth Mode	Action
1	BACK-JAPAN_HOTEL	Open	No	NAT	1,2	Auth Disabled	
2	BACK-JAPAN_HOTEL1	wpa2-psk	No	Bridge	1,2	Auth Disabled	

Below the table, there are navigation buttons: First, Previous, Page 1 of 1, Next, Last. A 'Total: 2' indicator is also present.

The Radio section contains three panels:

- Radio1(2.4GHz)**: ON/OFF toggle (ON), Max Clients input (32).
- Radio2(5GHz)**: ON/OFF toggle (ON), Max Clients input (32).
- Radio3(2.4GHz or 5GHz)**: ON/OFF toggle (OFF), Max Clients input (32). Radio buttons for Scan (selected) and Access are present.

On the **Basic** page, **Wireless**, **Security**, and **Advanced Settings** can be configured.

6.2.2.1 SSID

Click **+** in the upper left corner to add an SSID. In addition, the **SSID** page further enables you to configure the rate limit and the authentication function.

The screenshot shows the Ruijie Cloud management interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar shows NETWORKS and WIRELESS. The main content area is titled 'Wireless Configuration' and contains a table for SSID configuration and a section for Radio settings.

WLAN ID	SSID	Encryption Mode	Hidden	Forward Mode	Radio	Auth Mode	Action
1	BACK-JAPAN_HOTEL	Open	No	NAT	1,2	Auth Disabled	
2	BACK-JAPAN_HOTEL1	wpa2-psk	No	Bridge	1,2	Auth Disabled	

Below the table, there are navigation buttons: First, Previous, Page 1 of 1, Next, Last. A 'Total: 2' indicator is also present.

The Radio section contains three panels:

- Radio1(2.4GHz)**: ON/OFF toggle (ON), Max Clients input (32).
- Radio2(5GHz)**: ON/OFF toggle (ON), Max Clients input (32).
- Radio3(2.4GHz or 5GHz)**: ON/OFF toggle (OFF), Max Clients input (32). Radio buttons for Scan (selected) and Access are present.

Parameters on the **SSID** page are defined as follows.


Parameters on the **SSID** page are defined as follows.

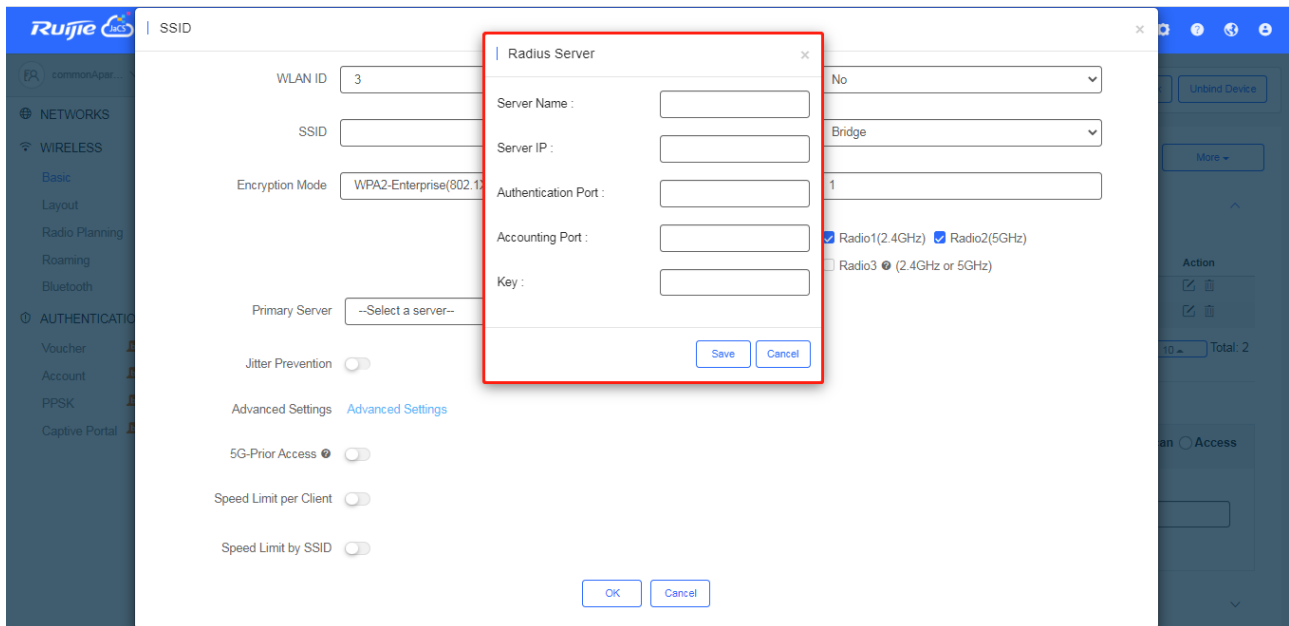
WLAN ID: Select a WLAN ID. An SSID matches a WLAN ID one-to-one. The WLAN ID can be specified only when an SSID is added and cannot be changed subsequently. The maximum value of **WLAN ID** is 16.

SSID: Enter an SSID name.

Encryption Mode: **Open**, **WPA-PSK**, **WPA2-PSK**, **WPA/WPA2-PSK**, **WPA2-ENTERPRISE (802.1X)**, **WPA3-PERSONAL**, **WPA2/WPA3-PERSONAL** and **PPSK**. **Open** indicates that no password needs to be configured; **WPA-PSK** or **WPA2-PSK** indicates that a password needs to be configured. **WPA2-Enterprise(802.1x)** indicates that the 802.1x authentication mode is adopted for the SSID. **PPSK** indicates that each terminal device is bound with a unique WiFi account and key. After the PPSK mode is selected, you need to configure your account in **CONFIGURATION>AUTHENTICATION>PPSK**.

If you select the **WPA2-Enterprise(802.1x)** mode, the following page is displayed.

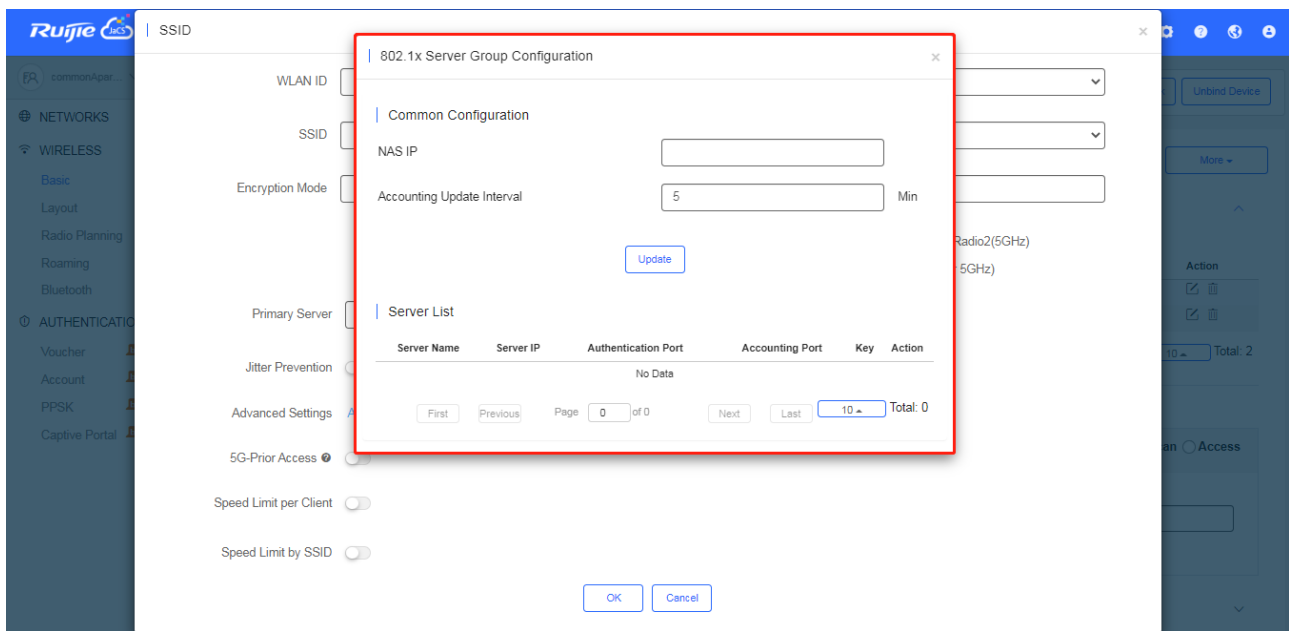
Click  to add an authentication server. A dialog box for a Radius server configuration is displayed, as shown in the following figure.



Server Name, **Server IP**, **Authentication Port**, **Accounting Port**, and **Key** can be configured for a RADIUS server. **Authentication Port** and **Accounting Port** are optional, and respectively set to the default values **1812** and **1813** if no values are entered.

The jitter prevention function can be configured in 802.1x authentication mode, as shown in the SSID configuration page with **Encryption Mode** set to **WPA2-Enterprise(802.1x)**. In case of jitters: after the jitter prevention function is enabled (the jitter prevention duration range is 0–600), clients will not go offline within the duration of jitter prevention. The default jitter prevention duration of an AP is 2 seconds. Note that the jitter prevention function may not be supported in earlier AP versions.

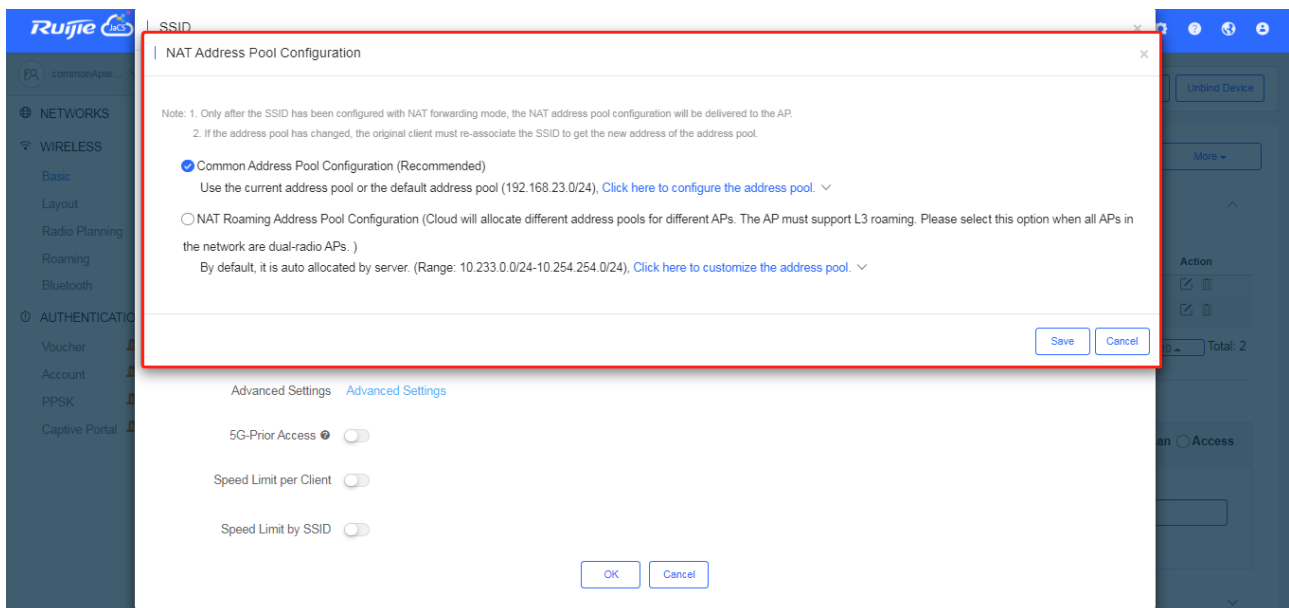
In addition, the **Advanced Settings** function is provided for 802.1x authentication. In **Advanced Settings**, the NAS IP address (available in the NAT environment) and accounting update period can be configured and the added authentication server can be managed.



Hidden: Specify whether to hide the SSID, which can be set to **Yes** or **No**.

Forward Mode: Select a forward mode of a wireless AP. **NAT** indicates that an IP address is allocated to a client by an AP; **Bridge** indicates that an IP address is allocated to a client by an AP's upstream device. A VLAN ID must be configured when the **Bridge** mode selected.

NAT Address Pool Configuration: Click the **NAT Address Pool Configuration** link to display the window.



5G-Prior Access: It is enabled when the SSID is associated with Radio 1 and Radio 2 for dual-band APs (2.4 GHz and 5 GHz) to ensure that clients supporting dual bands access the 5 GHz frequency band preferentially. This reduces the load in the 2.4 GHz frequency band and improves user experience.

Speed Limit per Client: Specify whether to enable the speed limit function for a client. When this function is enabled, uplink and downlink speeds must be configured.

Speed Limited by SSID: Specify whether to enable the speed limit function for the SSID. When this function is enabled, uplink and downlink speeds must be configured.

Auth: Common APs support **External Portal** and **Captive Portal** authentication.

6.2.2.2 External Portal

To edit **SSID**, enable **Auth** and select **External Portal**. Enter the required information and click **OK**.

SSID

WLAN ID

2

Hidden

No

SSID

Forward Mode

Bridge

Encryption Mode

WPA2/WPA3-PERSONAL

VLAN ID

1

Password

Radio

☒ Radio1(2.4GHz)
 ☒ Radio2(5GHz)
 ☐ Radio3 (2.4GHz or 5GHz)

5G-Prior Access

Speed Limit per Client

Speed Limit by SSID

Auth

beta

OK

Cancel

6.2.2.3 Captive Portal

Step 1: On the **SSID** page, enable **Auth** and select **Captive Portal**.

Ruijie

commonAper...

NETWORKS

WIRELESS

Basic

Layout

Radio Planning

Roaming

Bluetooth

AUTHENTICATION

Voucher

Account

PPSK

Speed Limit per Client

Speed Limit by SSID

Auth

beta

Mode

Captive Portal

Seamless Online

Please select a portal or [add a new portal](#).

Unbind Device

More

Action

✓

✕

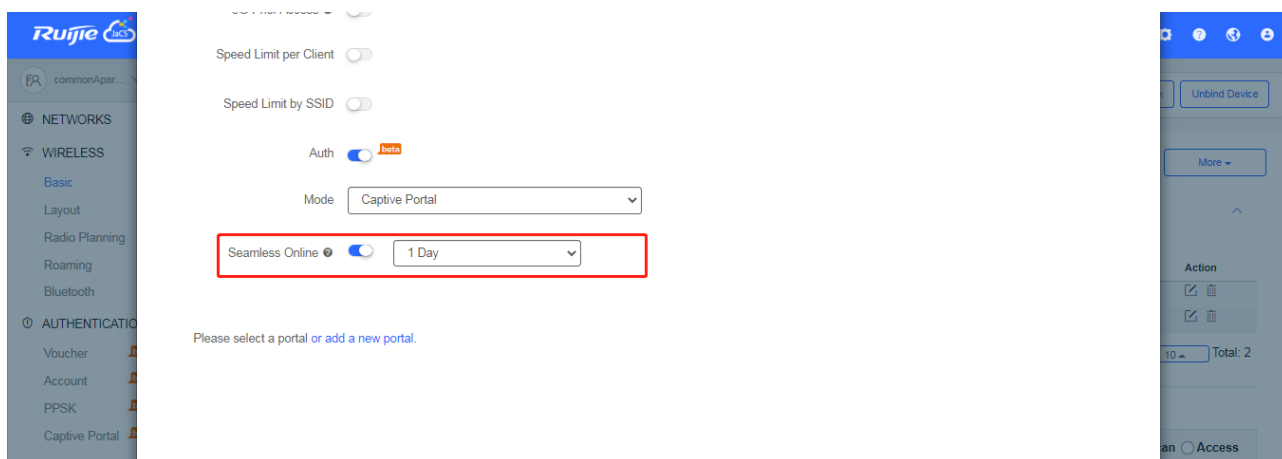
✓

✕

ID

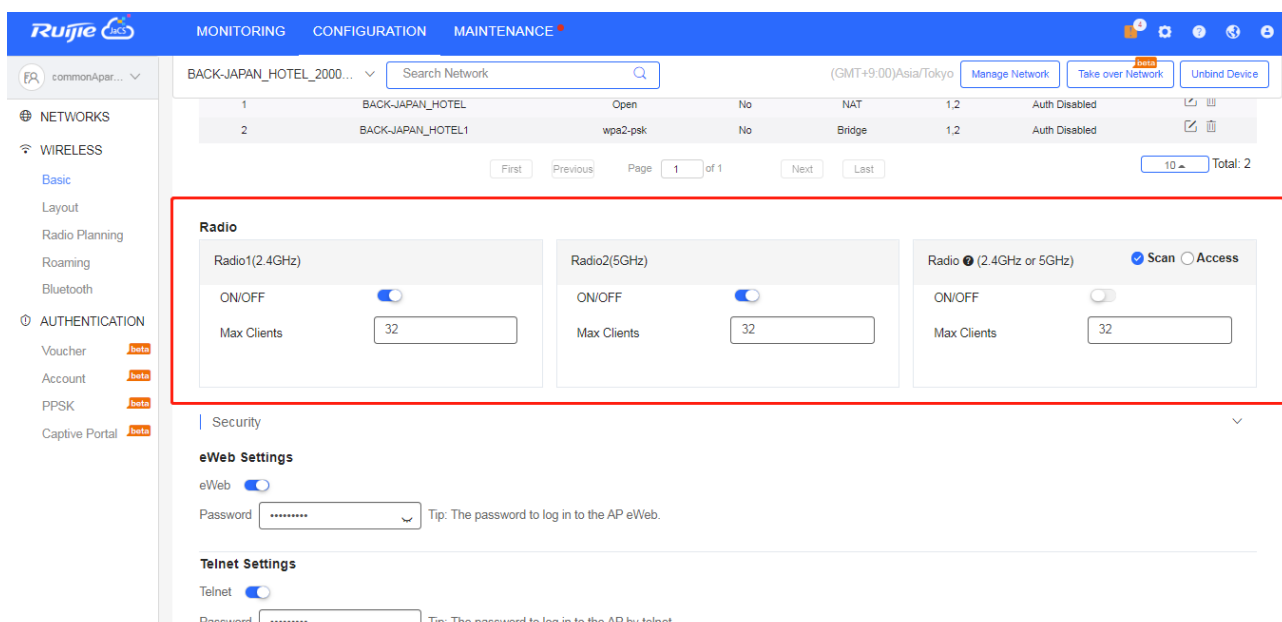
Total: 2

Step 2: Enable **Seamless Online** and select a portal or add new portal.



6.2.2.4 Radio

The Radio page enables you to configure the AP radio ports. As shown in Figure 4-4, the **Radio** page provides the **On/Off** and **Max Clients** items.



Parameters on the **Radio** page are defined as follows:

On/Off: Specify whether to enable the radio function. When it is set to **Off**, the SSID is invalid; the corresponding SSID can be used properly only when this function is set to **On**.

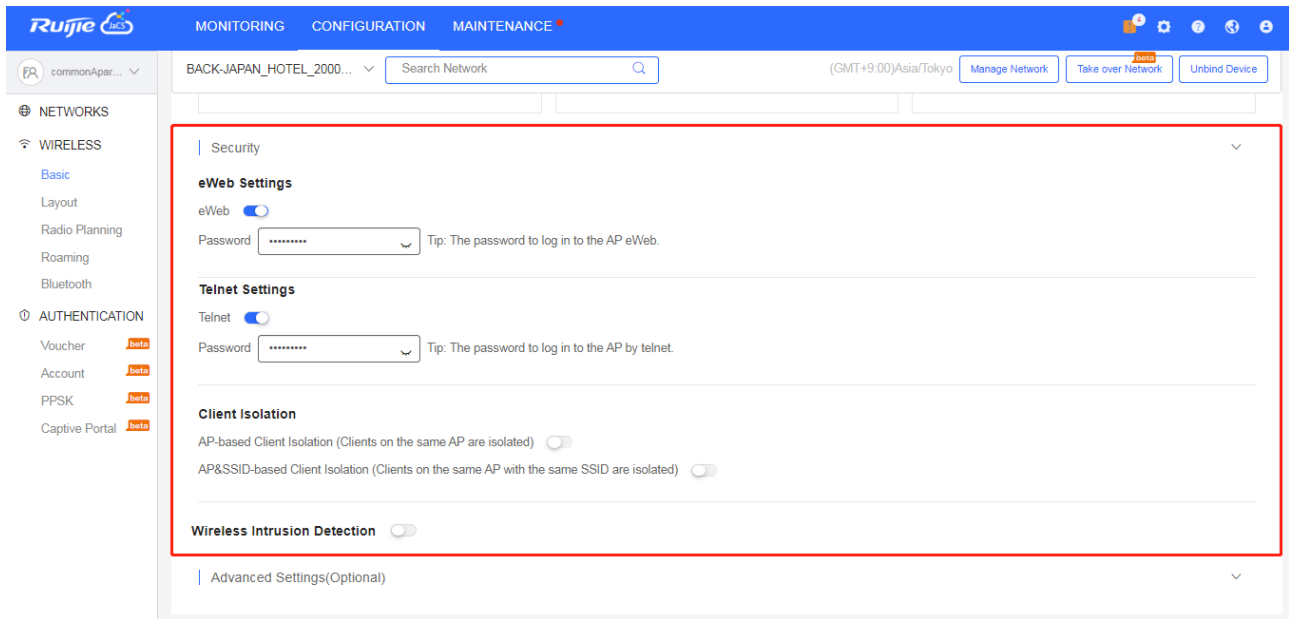
Max Clients: Enter the upper limit of associated clients in a frequency band.



Deletion of radio configurations indicates that the system preserves the current configurations.

6.2.2.5 Security Configuration

As shown in the preceding figure, **eWeb Settings**, **Telnet Settings**, **Client Isolation**, and **Wireless Intrusion Detection** can be configured.



eWeb Settings: Enter the Web login password of an AP. When the password is empty, the system does not push the password to AP.

Telnet Settings: Enable the Telnet service of AP. When the Telnet service is enabled, the password is required.

Client Isolation: Clients are isolated without affecting their network access to ensure that they cannot communicate with each other, thereby ensuring client service security. AP-based client isolation or AP&SSID-based client isolation can be selected. If AP-based client isolation is enabled, all layer-2 clients associated with the same AP cannot communicate with each other. If AP&SSID-based client isolation is enabled, clients in the same WLAN on the same AP cannot communicate with each other.

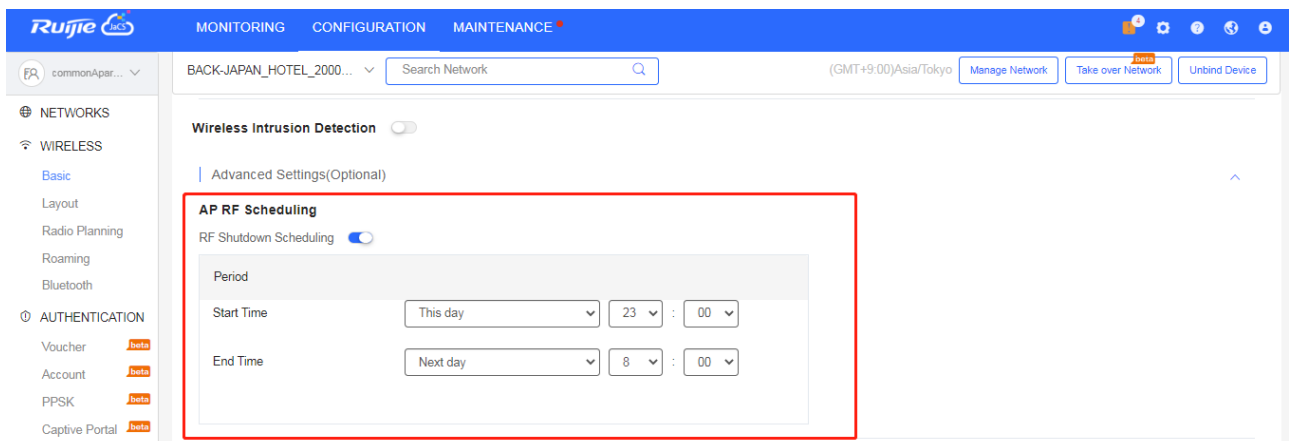
Wireless Intrusion Attack Detection: Include DDOS attack detection, flooding attack detection, AP spoof attack detection, and weak IV attack detection. If this function is enabled, at least one of the preceding four detection functions needs to be enabled.

6.2.2.6 Advanced Settings

● AP RF Scheduling

If **AP RF Scheduling** is disabled, AP will broadcast the SSID.

To specify the time of turning on/off WiFi, enable **RF Shutdown Scheduling** and configure the period.



● Whitelist

Enter whitelisted websites, and websites that can be accessed directly without authentication. For Facebook social login, you need check on Facebook Whitelist so that clients can access Facebook API before authentication.

The screenshot shows the Ruijie Cloud Management Console interface. The left sidebar contains navigation menus for NETWORKS, WIRELESS, and AUTHENTICATION. The main content area is titled 'Whitelist' and is highlighted with a red box. It features a table with columns 'Address', 'Description', and 'Action'. The table is currently empty, showing 'No Data'. Below the table are pagination controls: 'First', 'Previous', 'Page 0 of 0', 'Next', 'Last', and a 'Total: 0' indicator. There is also a 'Facebook' checkbox.

● CLI Command

Enter commands to be pushed to APs. This function allows you to perform some configurations unsupported via CLI commands.

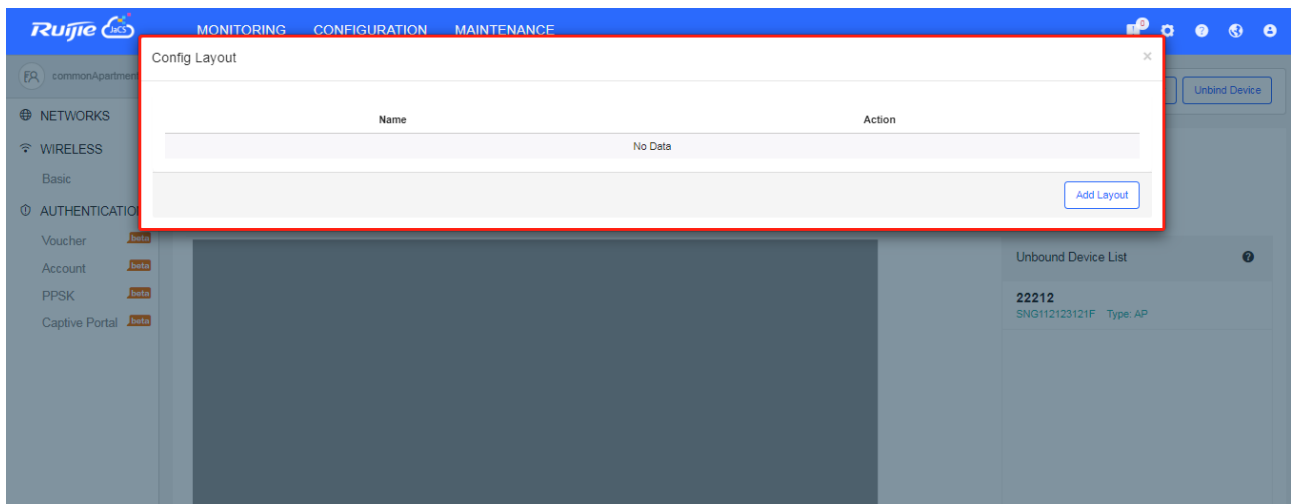
The screenshot shows the Ruijie Cloud Management Console interface. The left sidebar contains navigation menus for NETWORKS, WIRELESS, and AUTHENTICATION. The main content area is titled 'CLI Command' and is highlighted with a red box. It features a table with columns 'Model', 'Description', and 'Action'. The table is currently empty, showing 'No Data'. Below the table are pagination controls: 'First', 'Previous', 'Page 0 of 0', 'Next', 'Last', and a 'Total: 0' indicator.

6.2.3 Layout (Non-apartment Scenario)

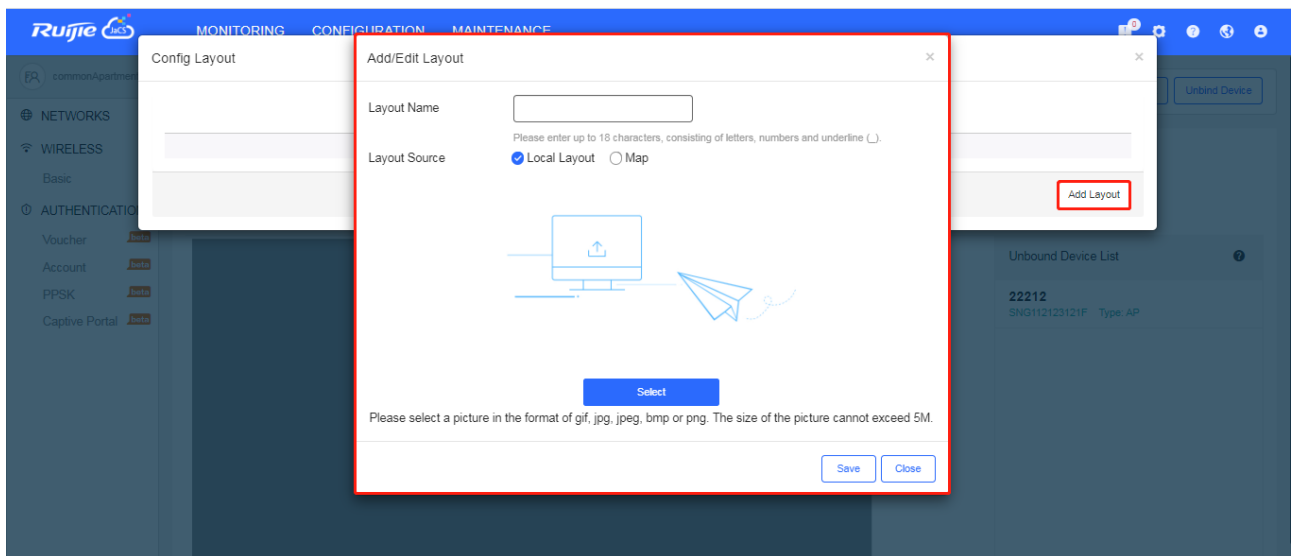
On the Layout page, you can bind an AP to a specific location after importing it to a network.

Step 1: Select a network.

The **Unbound Device List** on the right displays APs that have been imported to the network, but are not bound to a location. Click **Config Layout** to display the list.



Step 2: Click **Add Layout** to add the local layout or map layout. The local layout can be used to bind the location of indoor APs and the map layout can be used to bind the location of outdoor APs.



Step 3: Select an AP from in the unbound AP list and drag it to the target location.

Layout

Layout: Test Config Layout Remove AP


Unbound AP List

AP520(BT) SN:G1KD14G00221B Type:AP520(BT)
AP740-I SN:G1KDA0T00365A Type:AP740-I
AP130(W2) SN:G1KDAHJ052008 Type:AP130(W2)
AP 720-I SN:G1KGA7F002984 Type:AP720-I
ODM-AP520(W2) SN:G1KQBJR26735A Type:AP520(W2)
AP740-I(C) SN:G1KQC2D010806 Type:AP740-I(C)
SN:G1KQC2D010808 Type:
SN:G1KQC2D010810 Type:
SN:G1KQC2D010811 Type:

6.2.3.1 Unbind APs

AP unbinding is different from AP deletion. AP unbinding removes the binding relation between an AP and a location, but the AP still exists in the network and can be controlled. AP deletion deletes an AP from a network and the AP cannot be controlled after being deleted.

The unbinding methods are:

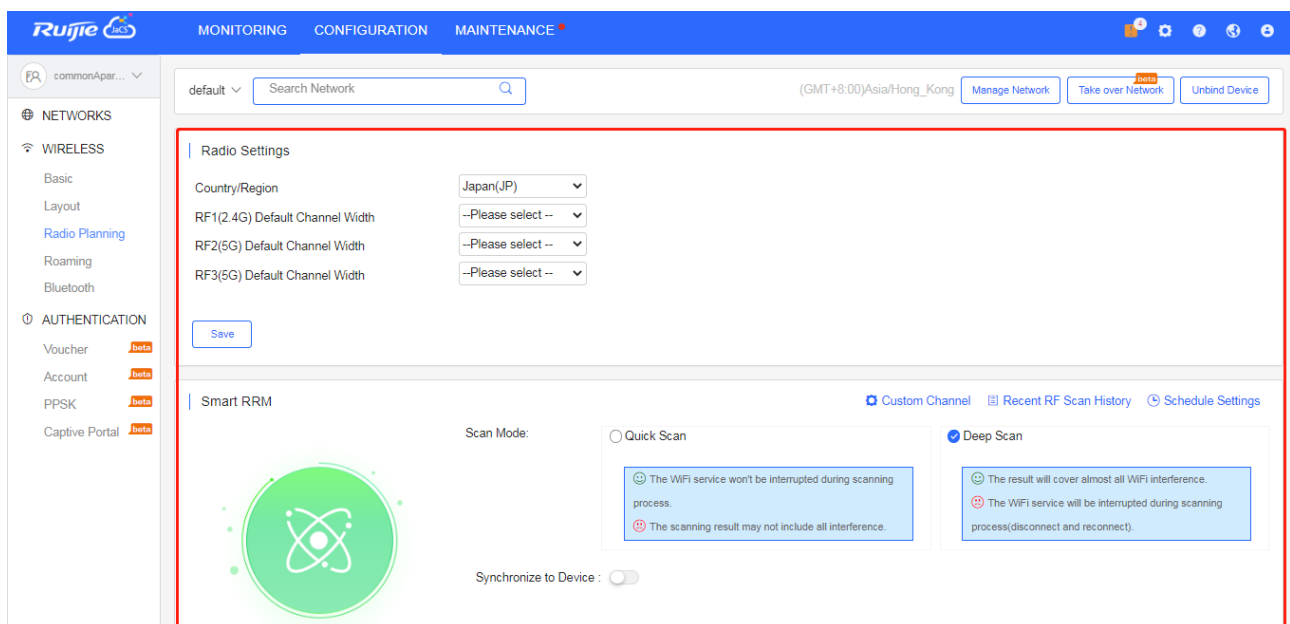
Method 1: Select an AP, and click  **Remove Device** to unbind the AP from a location. An unbound AP will then be moved from a network to its parent network.

Method 2: If a location is already bound to an AP, you can drag another AP to the location to replace the old AP.

6.2.4 Radio Planning (Non-apartment Scenario)

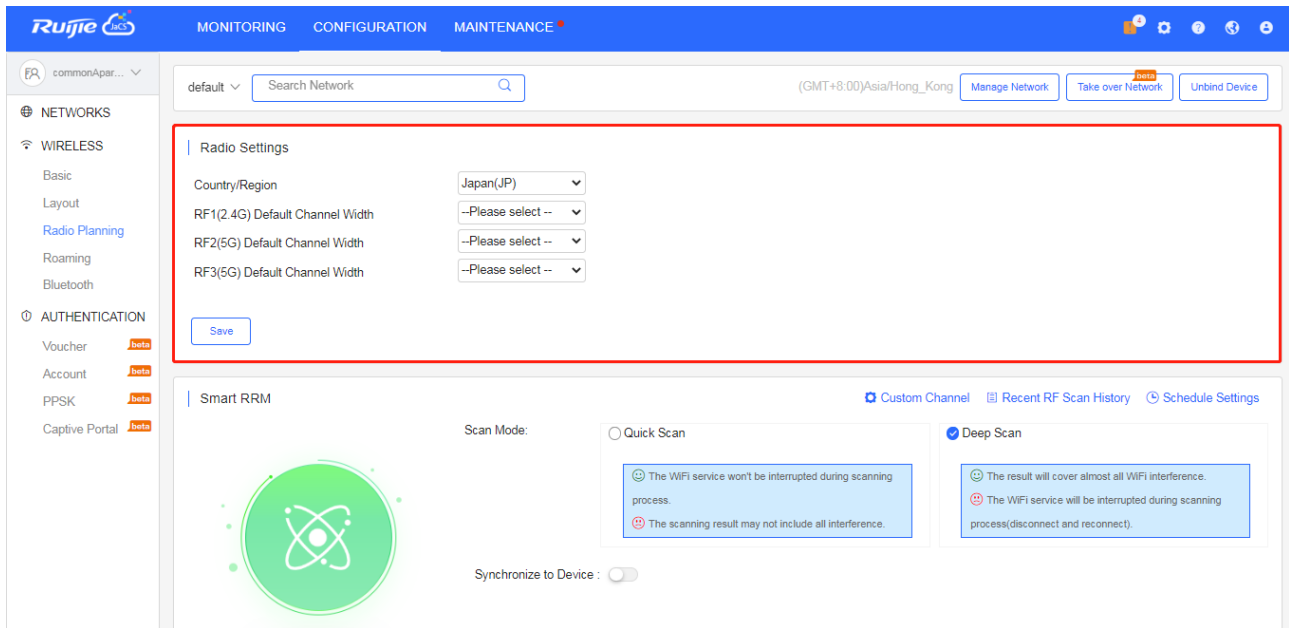
Radio planning can adjust channels and power of APs in a same area network to optimize the channel allocation and power of the APs. Proper RF configuration planning can reduce channel interference, increase channel utilization and improve overall wireless network performance and capacity.

Choose **CONFIGURATION > WIRELESS > Radio Planning** to open the **Radio planning** page. Both manual and automatic planning are currently supported.



6.2.4.1 Radio Settings

On the **Radio Settings** page, select the country and bandwidth.



For 2.4G channels, the bandwidth can be 20 or 40 MHz. For 5G channels, the bandwidth can be 20, 40, 80, or 160 MHz.

6.2.4.2 Automatic RF Planning

The automatic RF planning function allows the cloud to calculate the optimal channel configurations and power values for APs by using the radio resource management (RRM) algorithm according to RF information collected by each AP. Optimal recommended configurations can be applied to the APs.

The entire process of the automatic RF planning includes three parts:

- The cloud triggers APs to scan and upload RF information.
- The cloud calculates the optimal recommended configurations.
- The optimal recommended configurations are applied to the APs.

The automatic RF planning supports network-based planning only.

The AP RF channel optimization algorithm staggers RF channels of neighboring APs respectively based on the 2.4 GHz frequency band and the 5 GHz frequency band while ensuring as much as possible that original configurations are unchanged. To reach optimal power, The AP power optimization algorithm automatically increases or decreases the RF power for an AP according to the co-channel interference.

After a network is selected on the RF planning page, a page for automatic RF scanning and planning of the network is displayed. On this page, the APs of a network can be triggered to scan the RF, display recommended RF configurations calculated after scanning, and save the recommended RF configurations to APs.

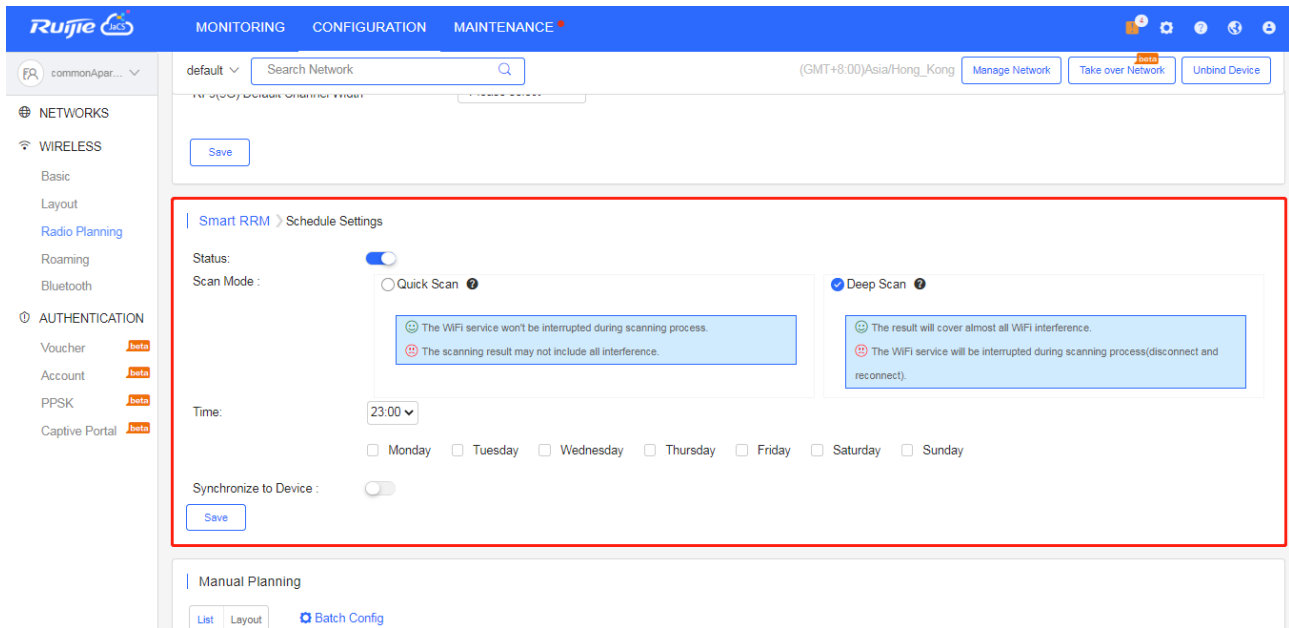
The **Recent RF Scan History** page displays historical records of automatic RF scanning and planning. Each record shows triggering information got each time, including the automatic RF planning status, the start time, the end time, the status (Initializing/Scanning/RRM analysis/Finish/Failure), whether to apply to the APs, and the running logs.

Smart RRM

There are two execution modes: immediate and periodic. Click **Scan Now**, and the cloud triggers RF scanning. Data will be uploaded after scanning.

Schedule Settings

On the **Schedule Settings** page, **Periodic Execution** can be enabled.



When a periodic task is triggered, this periodic task is automatically canceled if the network is already in a scanning triggered state (for example, immediate execution is being triggered).

● Related parameters

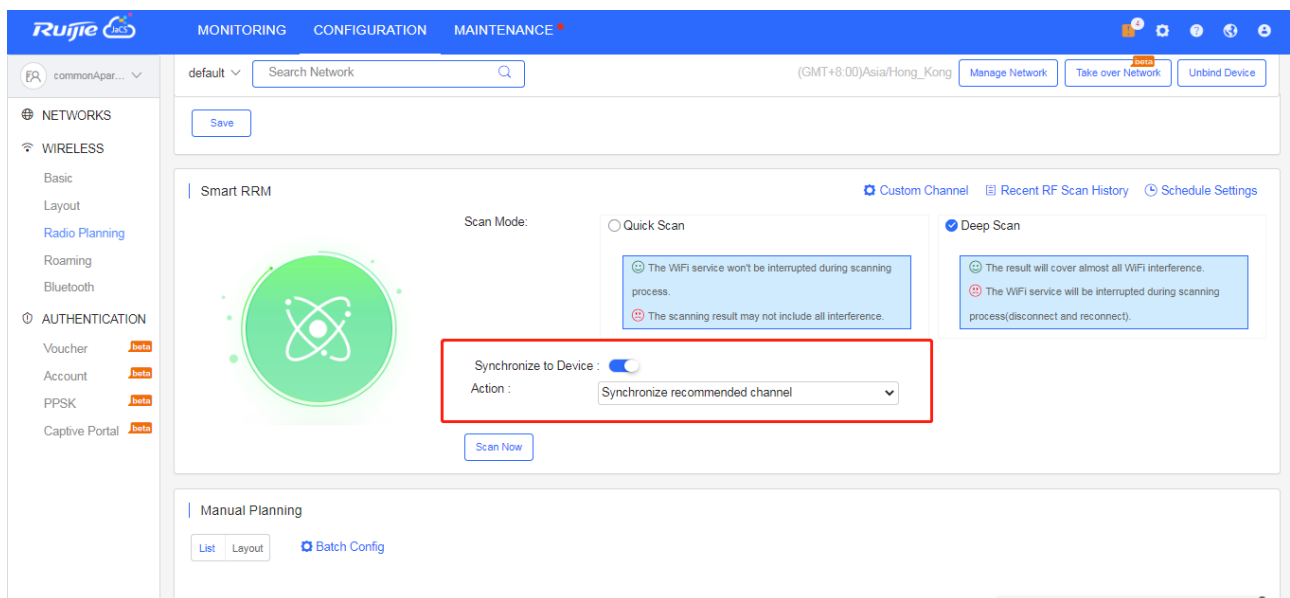
(1) Scan Mode

Quick Scan: This mode enables APs to provide the WiFi service properly during scanning. However, data acquired in this mode is not as accurate as that in the **Deep Scan** mode. The calculation result based on the data in this mode is less accurate than that in the **Deep Scan** mode. This mode is applied when it is expected that the current network is not affected.

Deep Scan: This mode is also referred to as the enhanced mode, and causes wireless clients to go offline at the beginning and ending of the scanning. Data acquired in this mode is more accurate than that in the **Quick Scan** mode, and the automatic RF planning based on the data is more accurate. This mode shall be applied at the initial stage of the overall network planning or when disadvantages of this mode are tolerable.

(2) Synchronize to Device

If this function is enabled, the RF scanning result will be automatically pushed to the AP. In this case, skip step 3.



If an AP has been bound to a location and has been synchronized with RF configurations of the location. This operation will remove the RF synchronization between the location and the AP, and push the selected recommended optimization configurations to the AP.

6.2.4.3 Manual Planning

Click a network on the left to open the manual RF planning page. The **Radio Select** drop-down list above the diagram lets you select an RF type (2.4 GHz/5 GHz) to display. The number inside the location icon indicates the current channel, and a range displayed when the cursor stays on the location icon indicates a power percentage.

Manual Planning

List Layout **Layout** Local_Layout Radio Select: 2.4G Batch Config

Configure Detail

SN: G1KD14GC00081
Country: China(CN)

- Radio 1(2.4Ghz)
Channel: 3
TX Power: 100 %
- Radio 2(5Ghz)
Channel: 149
TX Power: 100 %
- Radio 3(5Ghz)
Channel: Not Configured
TX Power: %



The RF channel or power data is not displayed during configuration.

You can click a location icon to display the RF channel and power configurations on the right. If the location is bound to an AP, the SN of the bound AP is also displayed.

To perform manual RF planning:

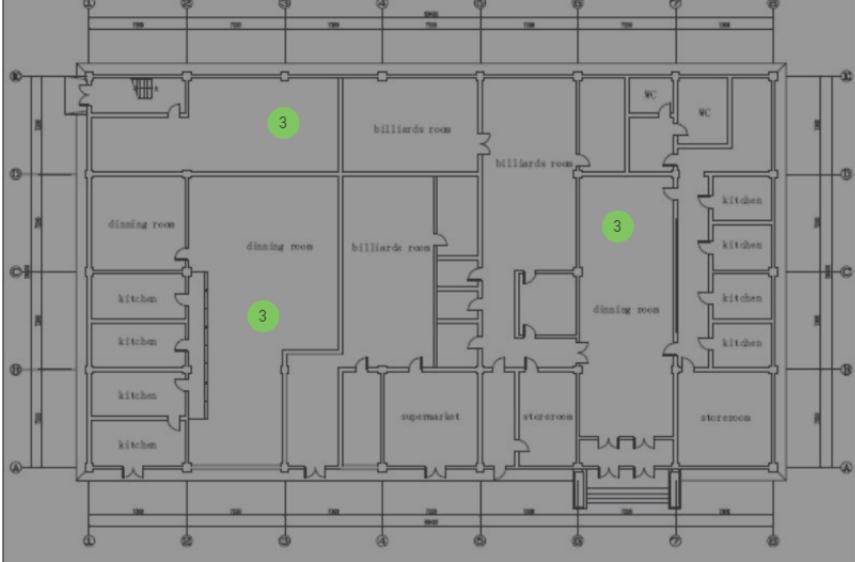
1. Set the RF configurations of a location in one of the following ways:

- Configure one location

Click a location icon, enter configurations on the right, and click **Apply**.

Manual Planning

List Layout Layout: Local_Layout Radio Select: 2.4G Batch Config



Configure Detail

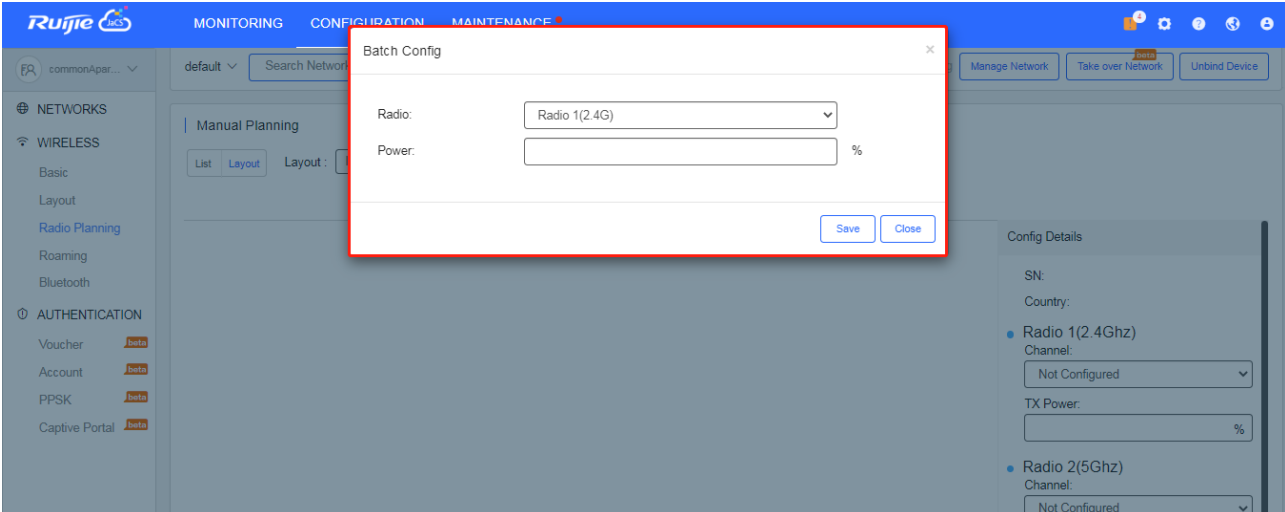
SN: G1KD14GC00081
Country: China(CN)

- Radio 1(2.4Ghz)
Channel: 3
TX Power: 100 %
- Radio 2(5Ghz)
Channel: 149
TX Power: 100 %
- Radio 3(5Ghz)
Channel: Not Configured
TX Power: %

- Configure locations in batches

This function is used to configure the RF channel and power for a large batch of locations, and is suitable for a scenario with many locations on a network.

Click [Batch Config](#) above the location diagram to uniformly configure the power percentage for all locations on a network.



Batch Config

Radio: Radio 1(2.4G)
Power: %


Save Close

Config Details


SN:
Country:

- Radio 1(2.4Ghz)
Channel: Not Configured
TX Power: %
- Radio 2(5Ghz)
Channel: Not Configured

2. Synchronize the RF configurations of the location to a bound AP.

Click  above the location diagram to synchronize the RF configurations of the corresponding location to the bound AP.

Batch operations for multiple locations can be select before clicking .

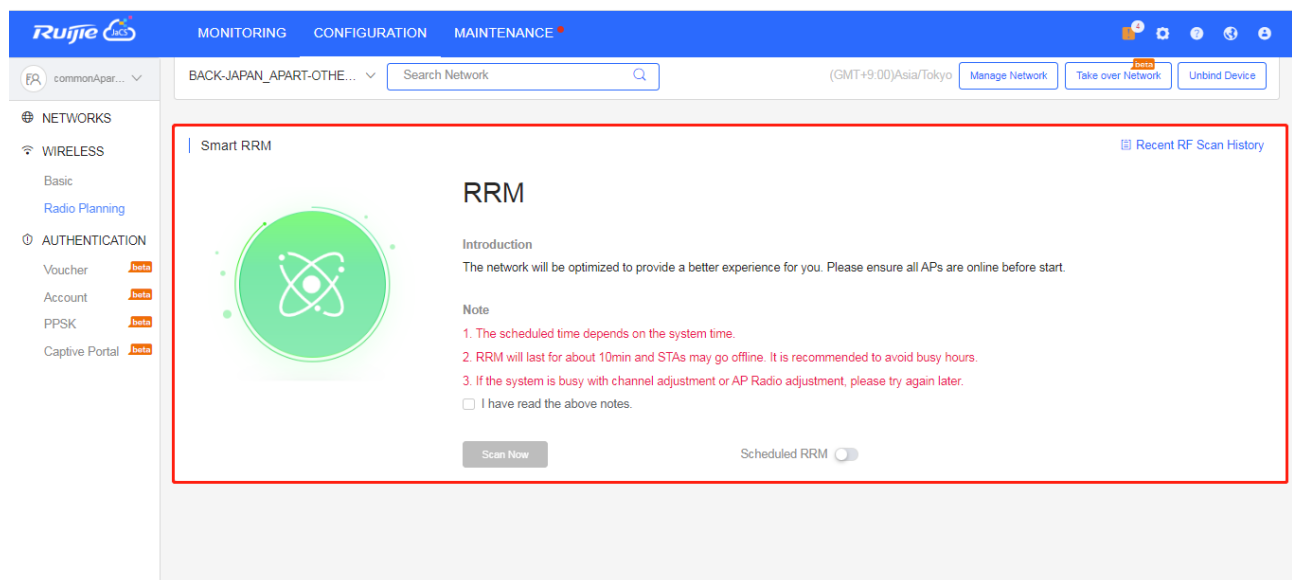
After the synchronization is successful,  is displayed in the lower right corner. At this point, the configurations of the location are synchronized to the bound AP.



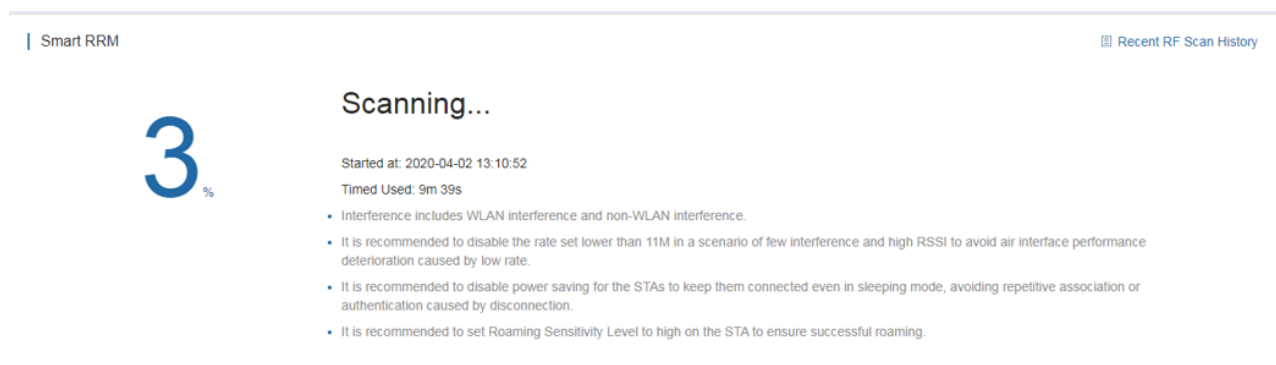
If an unbind or bind operation is performed, RF configurations are removed from or synchronized to the AP.

6.2.4.4 AC Smart RRM

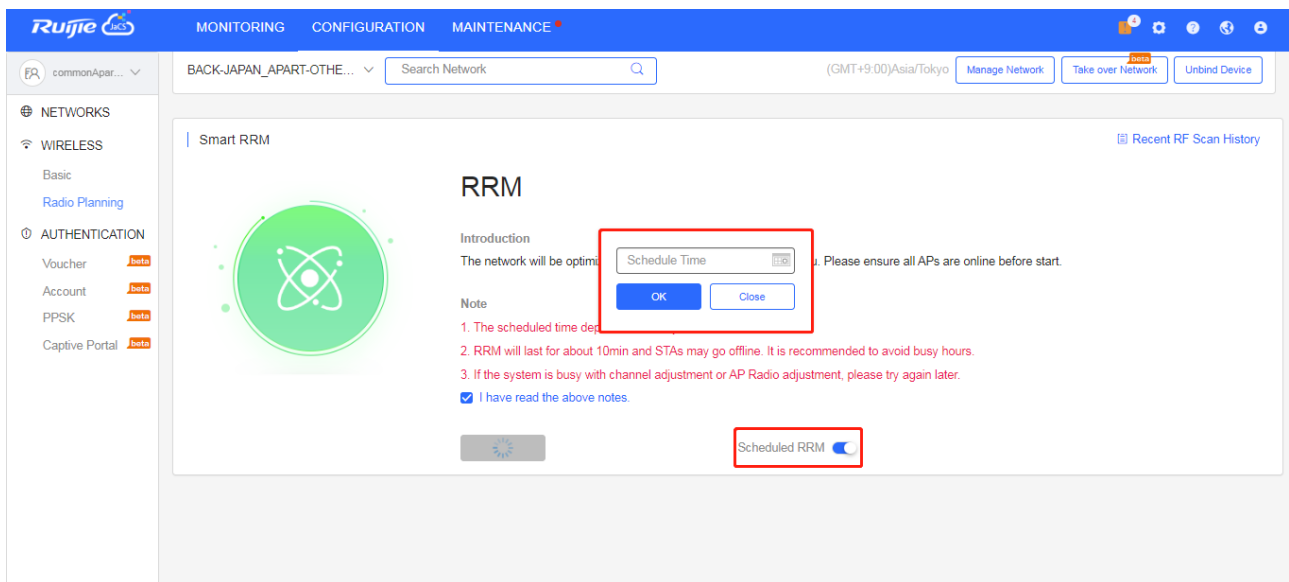
In the AC network, click **Radio Planning** to open the **Smart RRM** page.



Check the note, click  to start RRM. The whole process takes about 10 to 15 minutes.



Enable **Scheduled RRM** to configure the time, and RRM will start at the set time.

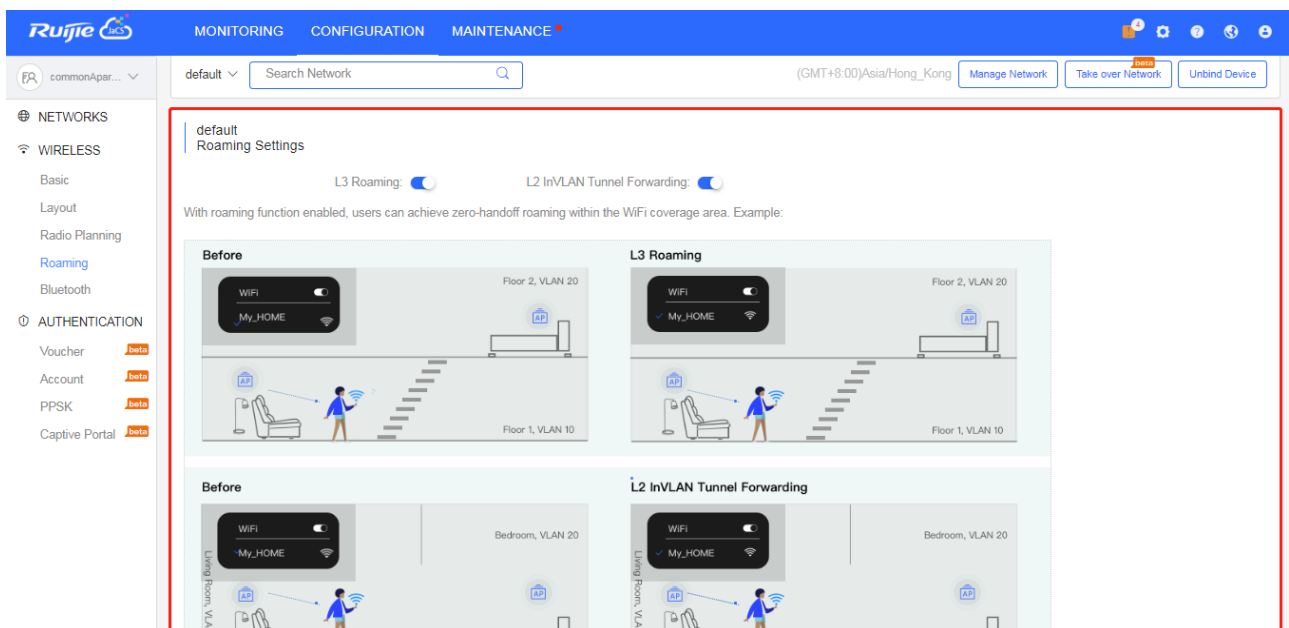


6.2.5 Roaming (Non-apartment Scenario)

Roaming planning refers to enabling network-based roaming.

L3 Roaming: Specify whether to enable Layer3 Roaming. It is enabled by default.

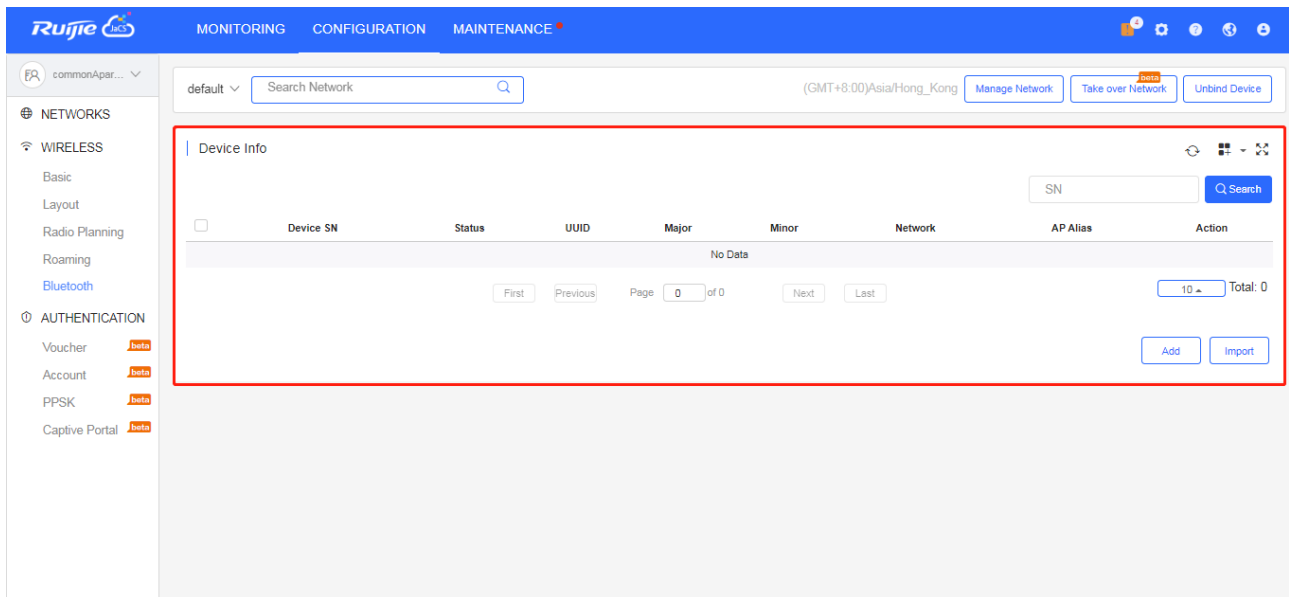
L2 InVLAN Tunnel Forwarding: Specify whether to enable Layer2 Roaming. It is enabled by default.



For wireless roaming, SSID signals must be consistent; otherwise, roaming may fail.

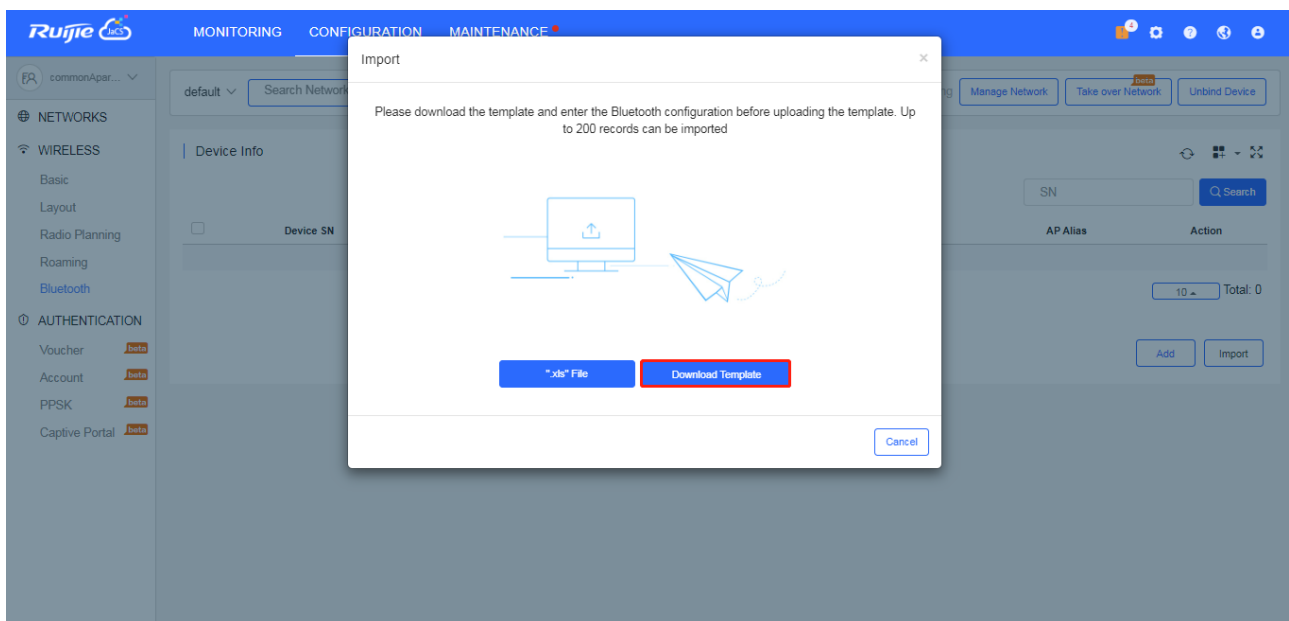
6.2.6 Bluetooth (Non-apartment Scenario)

You can batch import, add, change and delete the Bluetooth configuration.



● Bluetooth configuration import

Click **Import**. The **Import** dialog box is displayed. For initial use, you can click **Download Template** in the lower right corner to download an EXCEL file corresponding to APs in the current network and set corresponding parameters in the file.



Requirements for the **UUID**, **Major**, and **Minor** parameters are:

UUID: Enter a string of 32 characters in hexadecimal format.

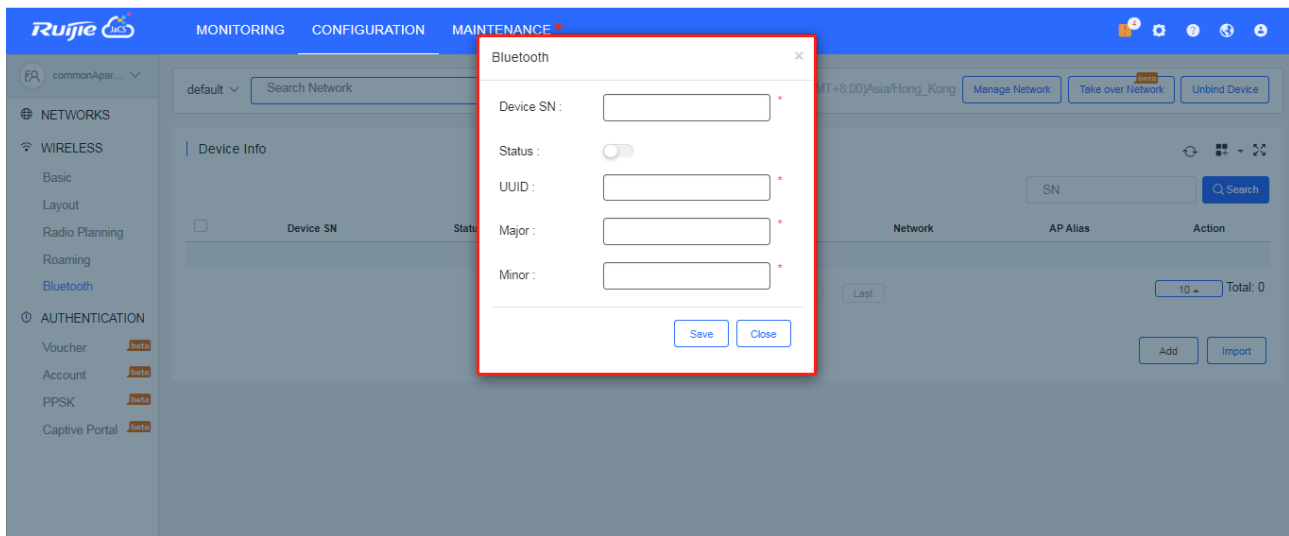
Major: Enter a string of 4 characters in hexadecimal format.

Minor: Enter a string of 4 characters in hexadecimal format.


After the parameters in the EXCEL file are configured, click '**.xls**' File to import the file. A prompt will be displayed if an exception occurs during the import.

● Bluetooth configuration adding for a single AP

Click **Add**. The Bluetooth dialog box is displayed, as shown in the following figure. Specify the parameters as required to add a Bluetooth configuration for one AP and click **Save**. If a Bluetooth configuration is already configured for the AP, the existing Bluetooth configuration will be updated.



- Bluetooth configuration modification for a single AP

Click the  icon. The **Bluetooth** dialog box is displayed, as shown in the preceding figure. Modify the required parameters and click **Save**.

6.3 Authentication

6.3.1 Voucher Authentication

Voucher authentication on Ruijie JaCS allows you to charge users for wireless network access using access codes. Concurrent users, time period and data quota limit can be customized and offered to your guests.

6.3.1.1 Configuration Steps

Step 1: Enable **Voucher** function in the **Captive Portal** mode of **SSID** under the corresponding network.

Step 2: Select **CONFIGURATION > AUTHENTICATION > Voucher**.

Step 3: Select **Manage Package > Add Package** to define a voucher type for your guests.

The screenshot shows the 'Add Package' dialog box in the Ruijie Cloud web interface. The dialog is titled 'Add Package' and contains the following fields:

- Package Name: Testpackage
- Description: 1
- Price: 1.00
- Concurrent Devices: 3
- Bind MAC: ☐ (disabled)
- Period: 30 Minutes
- Data Quota: 100 MB
- Download Speed: Unlimited
- Upload Speed: Unlimited

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Step 4: Click **OK** and go back to the **Voucher** page and click **Print Voucher**.

The screenshot shows the 'Voucher' page in the Ruijie Cloud web interface. The 'Print Voucher' button is highlighted with a red box. The page displays the following statistics:

- Total Vouchers: 0
- Activated Vouchers: 0
- Depleted Vouchers: 0

A table with the following columns is shown, but it contains no data:

Voucher Code	Alias	Package Name	Price	Period	Created at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
No Data												

At the bottom of the table are 'First', 'Previous', 'Page 0 of 0', 'Next', and 'Last' buttons. A 'Total: 0' indicator is also present.

Step 5: Select the way you want to print voucher codes and enter the quantity if you select **Multiple Vouchers**.

The screenshot shows the 'Print Voucher' configuration page in the Ruijie management system. The left sidebar lists various network settings. The main area has a 'Print Voucher' section with three buttons: 'Single Voucher', 'Multiple Vouchers' (highlighted in blue), and 'Reprint Voucher'. A red rectangular box encloses the configuration fields for printing multiple vouchers. These fields include:

- Quantity:** A text input field containing the number '3'.
- Package:** A dropdown menu currently showing 'Testpackage'.
- Print Method:** A dropdown menu currently showing 'Print in 1 Column (A4)'.
- Print:** A blue button to execute the print command.

 To the right of these fields is a grey box containing a detailed description of the selected package: 'Description: 1', 'Price: 1.00', 'Concurrent Devices: 3', 'Bind MAC: No', 'Period: 30 Minutes', 'Data Quota: 100 MB', 'Download Speed: Unlimited', and 'Upload Speed: Unlimited'.

Step 6: Click the **Print** button.

6.3.1.2 Bind/Unbind MAC

If **Bind MAC** is enabled for the package, the voucher code used by a device will be bound with its MAC address. The number of bound MAC can be set in **Max Concurrent Devices**. When the **Status** is **Activated** or **Depleted**, you can click



in the **Bind MAC** column to unbind MAC addresses.

The screenshot displays the 'Voucher' management page. At the top, there are summary statistics: 'Total Vouchers: 4', 'Activated Vouchers: 0', and 'Depleted Vouchers: 0'. Below this is a table listing individual vouchers. A red box highlights the table area. The table columns are:

- Voucher Code:** ps3ogy, vu7x38, tvut7, eytcv2
- Alias:** -
- Package Name:** Testpackage2, Testpackage, Testpackage, Testpackage
- Price:** 2.00, 1.00, 1.00, 1.00
- Period:** 30 Minutes
- Created at:** 2022-04-13 17:08:38, 2022-04-13 17:06:59, 2022-04-13 17:06:59, 2022-04-13 17:06:59
- Expired at:** -
- Devices:** 0/3
- Bind MAC:** Yes, No, No, No
- Data Usage:** 0 MB/100 MB
- Download Speed:** Unlimited
- Upload Speed:** Unlimited
- Status:** Not Activated

 At the bottom of the table, there are pagination controls showing 'Page 1 of 1' and a 'Total: 4' count.

Bound MAC Address List

MAC	Bound at	Total Online Time	Total Traffic	Action
acc1.ee5f.4429	2019-07-04 18:47:49	2d 21h 51m 0s	24.08M	-

First Previous Page 1 of 1 Next Last 10 1 in total

6.3.1.3 More

The screenshot displays the Ruijie Cloud Voucher management interface. The 'More' dropdown menu is open, showing options: 'Delete', 'Print in 1 Column (A4)', 'Print in 2 Columns (A4)', and 'Print on POS Receipt'. The 'Delete' option is selected. The table below shows 9 vouchers, all with a status of 'Not Activated'.

Voucher Code	Package Name	Price	Period	Created at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
ix48m	hello	100.00	30 Days	2022-03-11 18:15:57	-	0/3	Yes	0 MB/1 GB	2 Mbps	2 Mbps	Not Activated
nf96v	hello	100.00	30 Days	2022-03-11 16:58:17	-	0/3	Yes	0 MB/1 GB	10 Mbps	10 Mbps	Not Activated
ghy8p	hello	100.00	30 Days	2022-03-11 16:27:27	-	0/3	Yes	0 MB/1 GB	10 Mbps	10 Mbps	Not Activated
eq3hq	hello	100.00	30 Days	2022-03-11 12:56:32	-	0/3	Yes	0 MB/1 GB	10 Mbps	10 Mbps	Not Activated
fxkp3u	hello	100.00	30 Days	2022-03-11 11:07:27	-	0/3	Yes	0 MB/1 GB	10 Mbps	10 Mbps	Not Activated
vt4q7	hello	100.00	30 Days	2022-03-11 10:53:56	-	0/3	Yes	0 MB/1 GB	10 Mbps	10 Mbps	Not Activated
aregik	test	100.00	30 Minutes	2022-03-11 10:47:39	-	0/3	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
m7urm	test	100.00	30 Minutes	2022-03-11 10:46:11	-	0/3	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
p47jvn	test	100.00	30 Minutes	2022-03-02 15:54:52	-	0/3	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated

Item	Description
Delete	<ul style="list-style-type: none"> Delete the selected Vouchers
<ul style="list-style-type: none"> Print in 1 Column(A4) 	<ul style="list-style-type: none"> Printed Vouchers will be displayed in the same column
<ul style="list-style-type: none"> Print in 2 Columns(A4) 	<ul style="list-style-type: none"> Printed Vouchers will be displayed in two columns
<ul style="list-style-type: none"> Print on POS Receipt 	<ul style="list-style-type: none"> Suitable for printing on POS receipts

6.3.2 Account Authentication

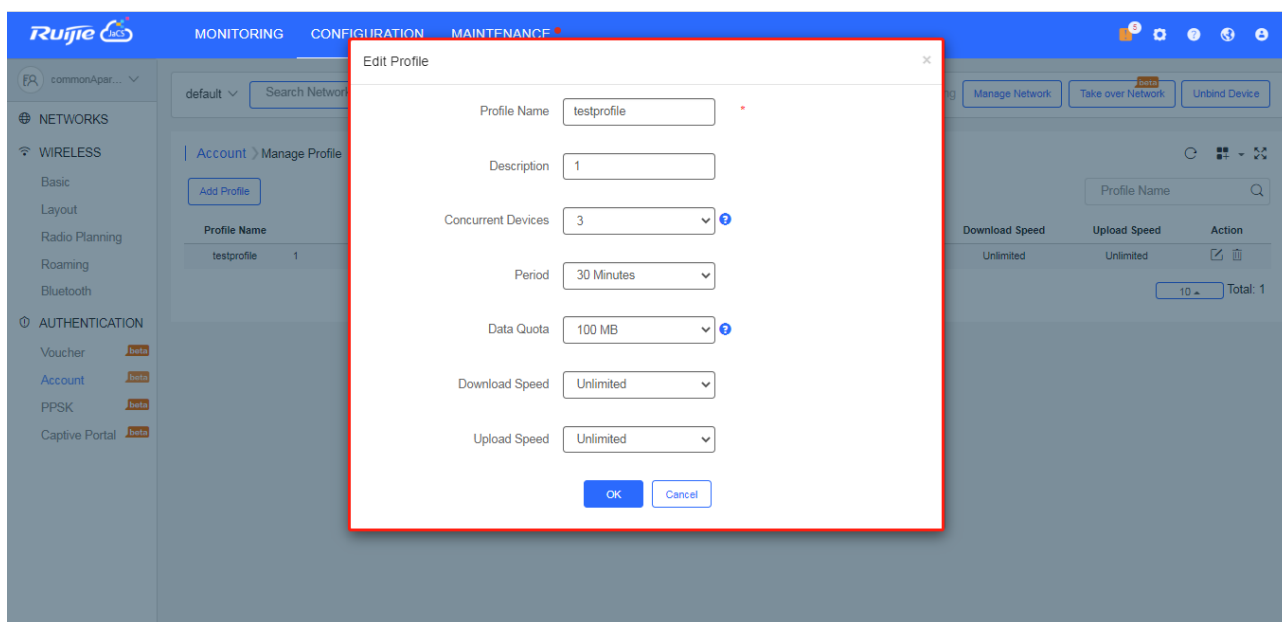
Account authentication requires the valid account and password. Concurrent users, time period and data quota limit can be customized and offered to your guests.

6.3.2.1 Configuration Steps

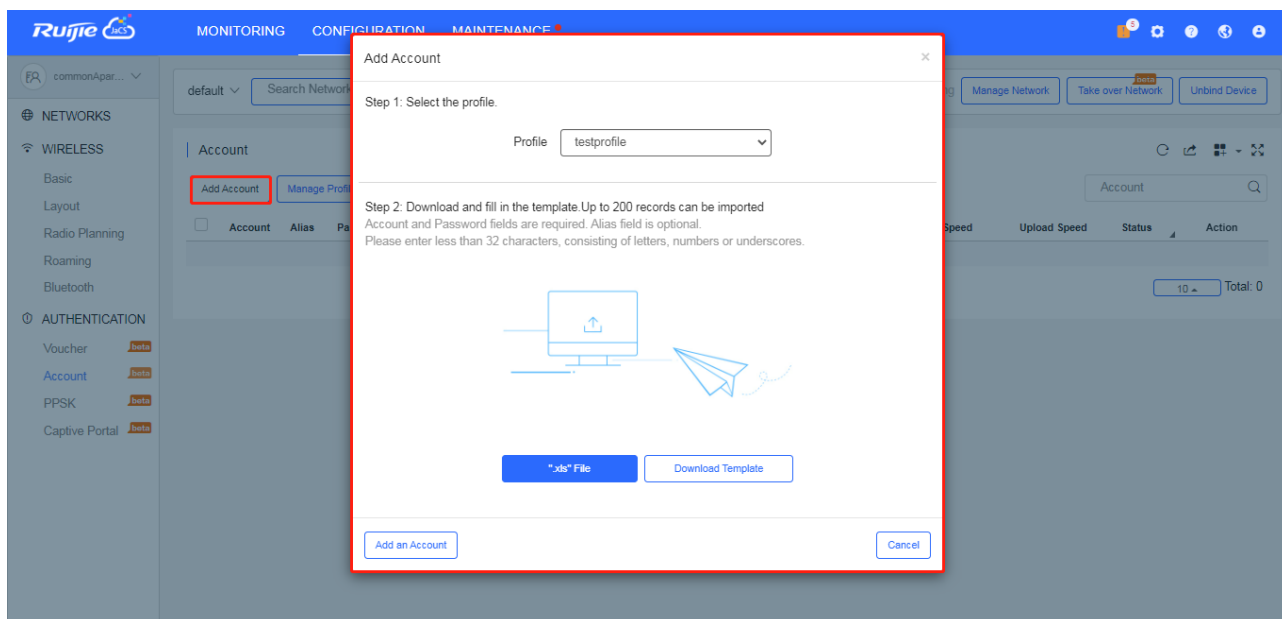
Step 1: Enable **Captive Portal** in the **SSID** page, and select a template with Account Authentication.

Step 2: Select **CONFIGURATION > AUTHENTICATION > Account**.

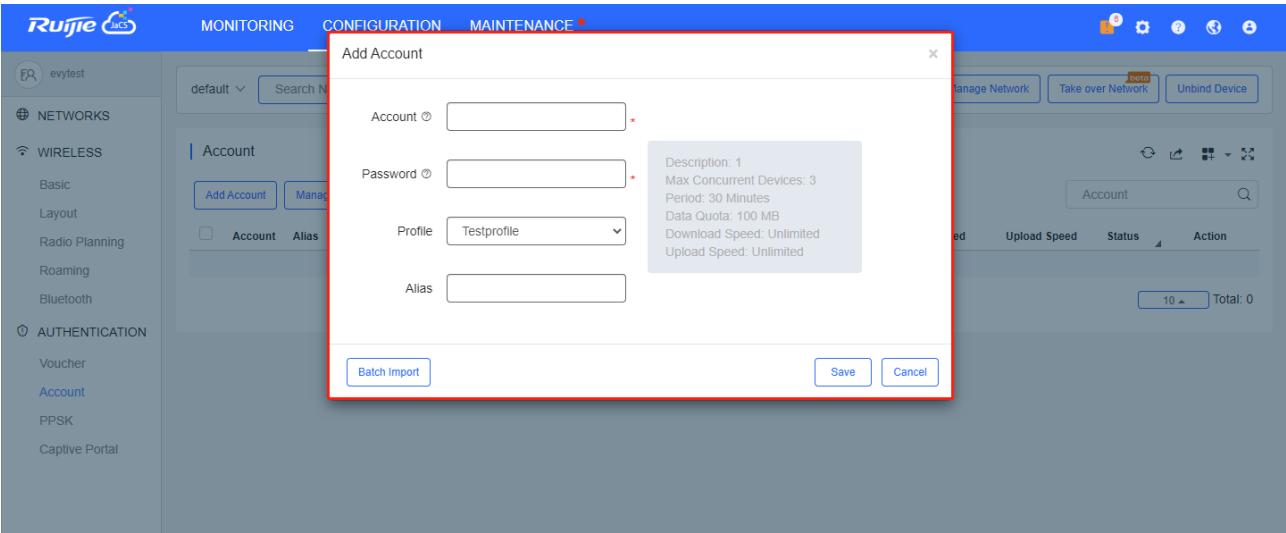
Step 3: Select **Manage Profile > Add Profile** to define an account type for your guests.



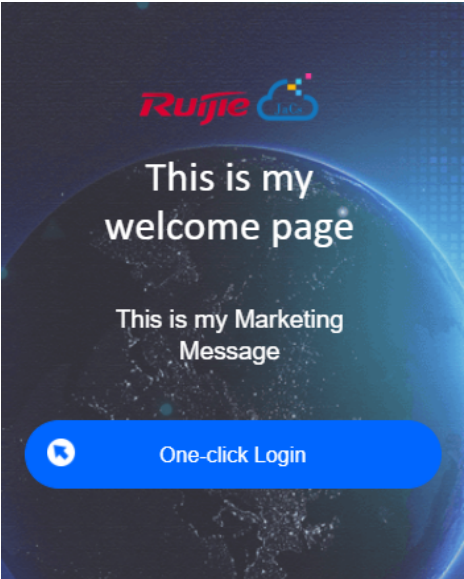
Step 4: Click **OK** and go back to the **Account** page and click **Add Account**.



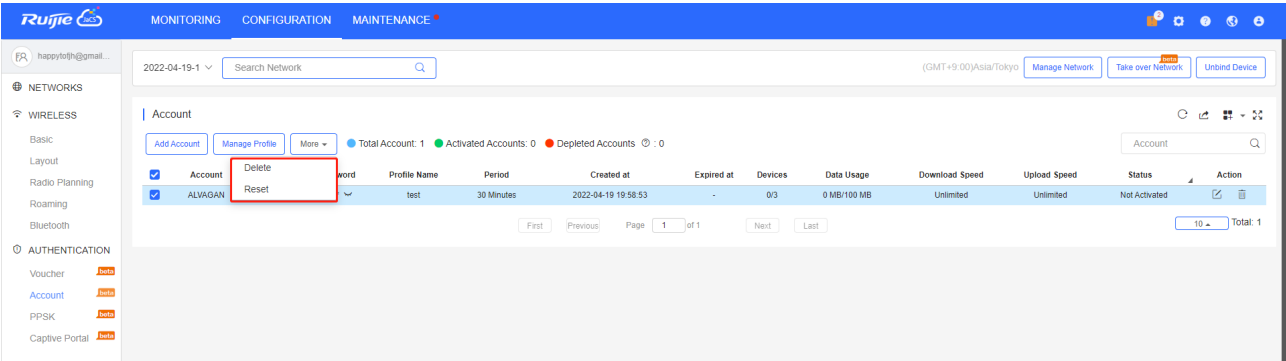
Step 5: Click **Add an Account** to enter the account, password and select the profile, and then click **Save**.



Step 6: Connect to the SSID, select **Account Login** in the pop-up page, enter the account and password created in the last step, and click **Login**.



6.3.2.2 More



Item	Description
------	-------------


Delete	● Delete the selected accounts
● Reset	● Reset the selected accounts

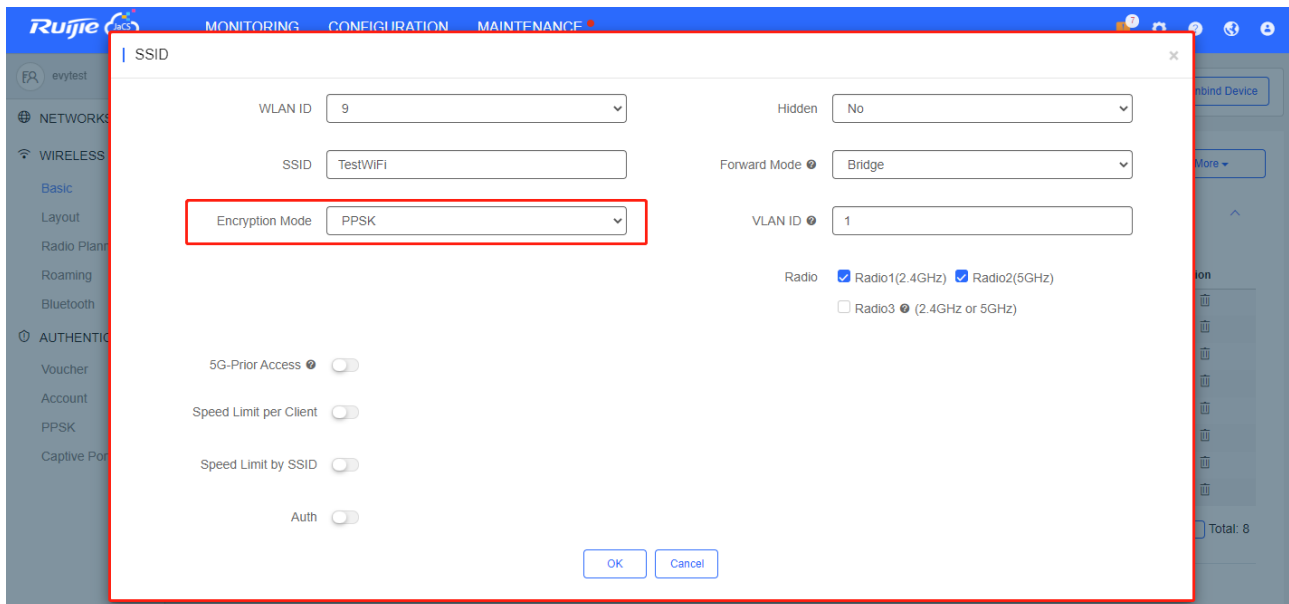
6.3.3 PPSK Authentication

PPSK combines the advantages of PSK and 802.1x. It prevents the network from being stolen. Each terminal device is bound with a unique WiFi account and key so that the key will not be shared. This can also be called “One Client, One Password”.

- The main tasks of the PPSK administrator:
 - Log in to Ruijie JaCS and deploy the network, so that APs can access the Ruijie JaCS.
 - Set the authentication mode of SSID to PPSK (the administrator can configure it directly).
 - On the **PPSK Configuration** page, an enterprise can enable the PPSK function and choose the network.
 - Open account for staffs in batch.
- Staffs can connect to the SSID with a unique WiFi key allocated by the administrator and access the Internet.

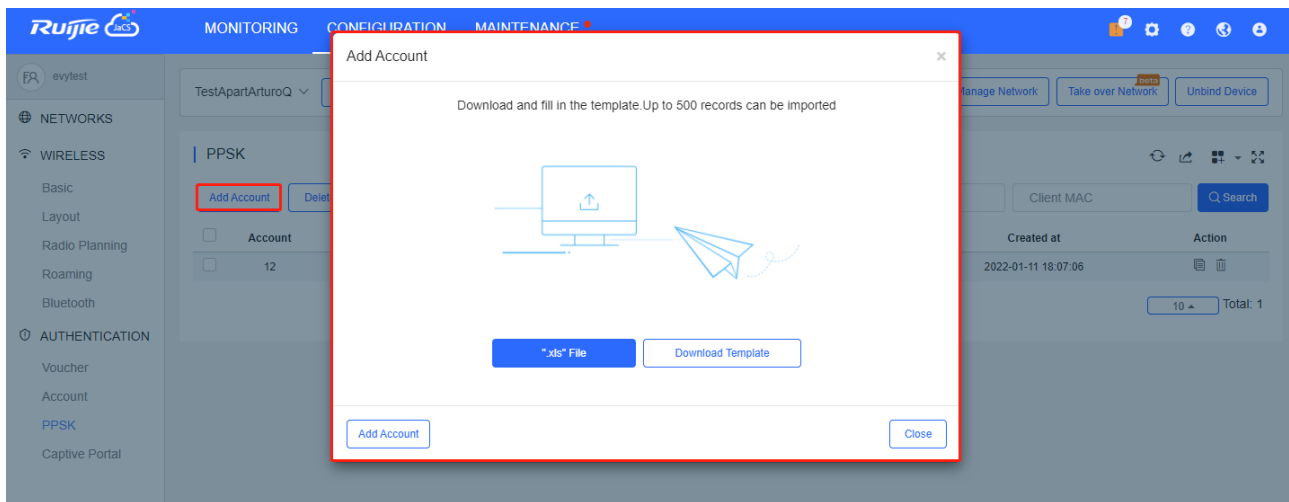
● Configuration Steps

Step 1: Choose **CONFIGURATION > WIRELESS > Basic**, click  beside **SSID**, and set the **Encryption Mode** as **PPSK**.

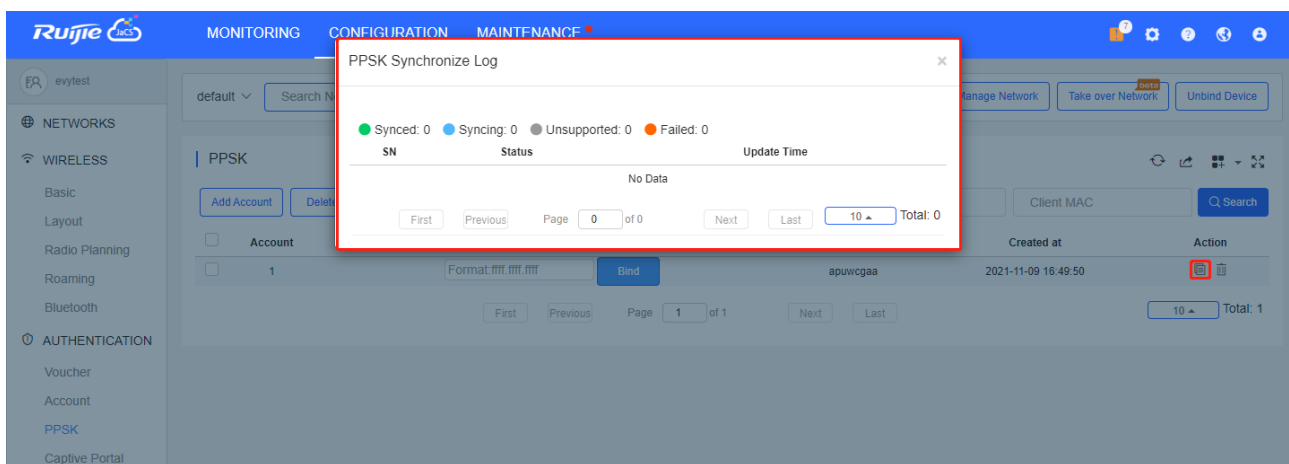


Step 2: Choose **CONFIGURATION > AUTHENTICATION > PPSK**.

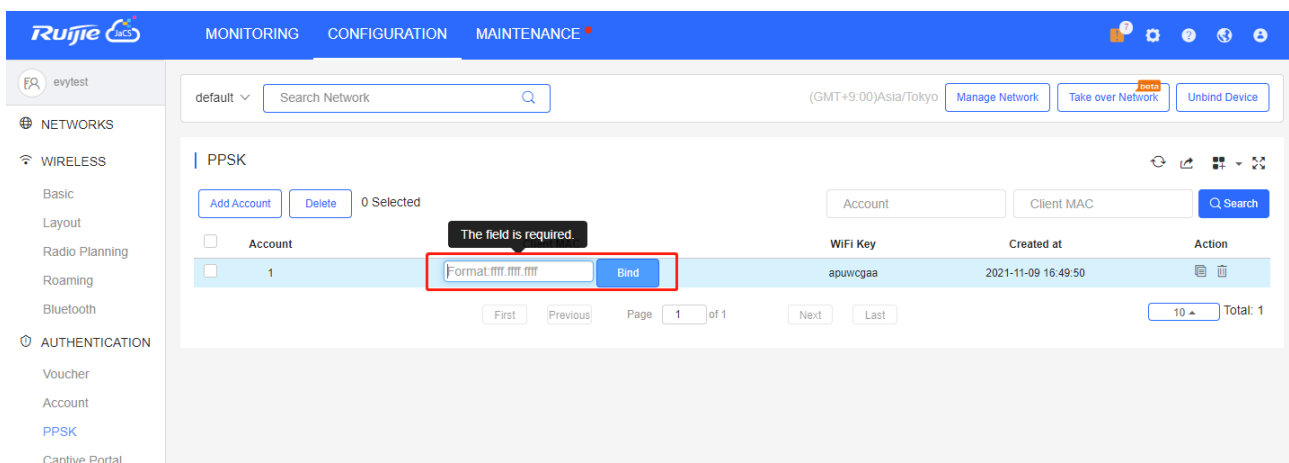
Step 3: Click **Add Account** to batch import or manually add new accounts.



Step 4: Click the view button on the **Action** column of the PPSK list to check **PPSK Sync Log**.



Step 5: Bind MAC address for accounts in the PPSK list.



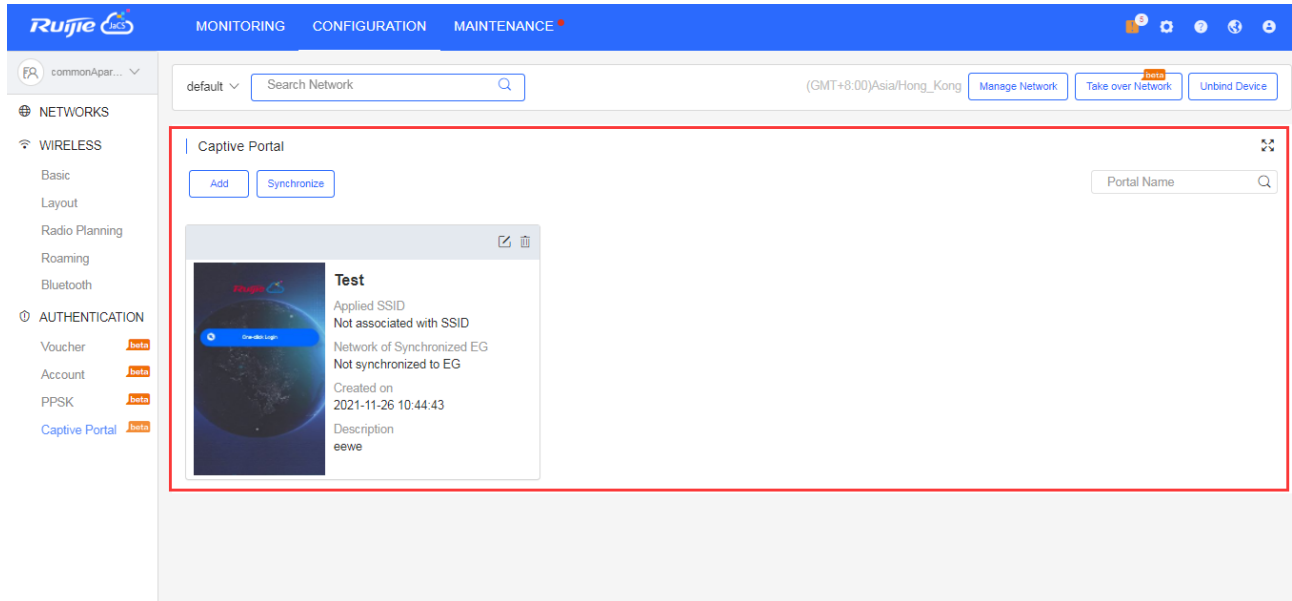
6.3.4 Captive Portal

Select **CONFIGURATION > AUTHENTICATION > Captive Portal** to display the **Captive Portal** page, and select a network on the top to filter captive portals.

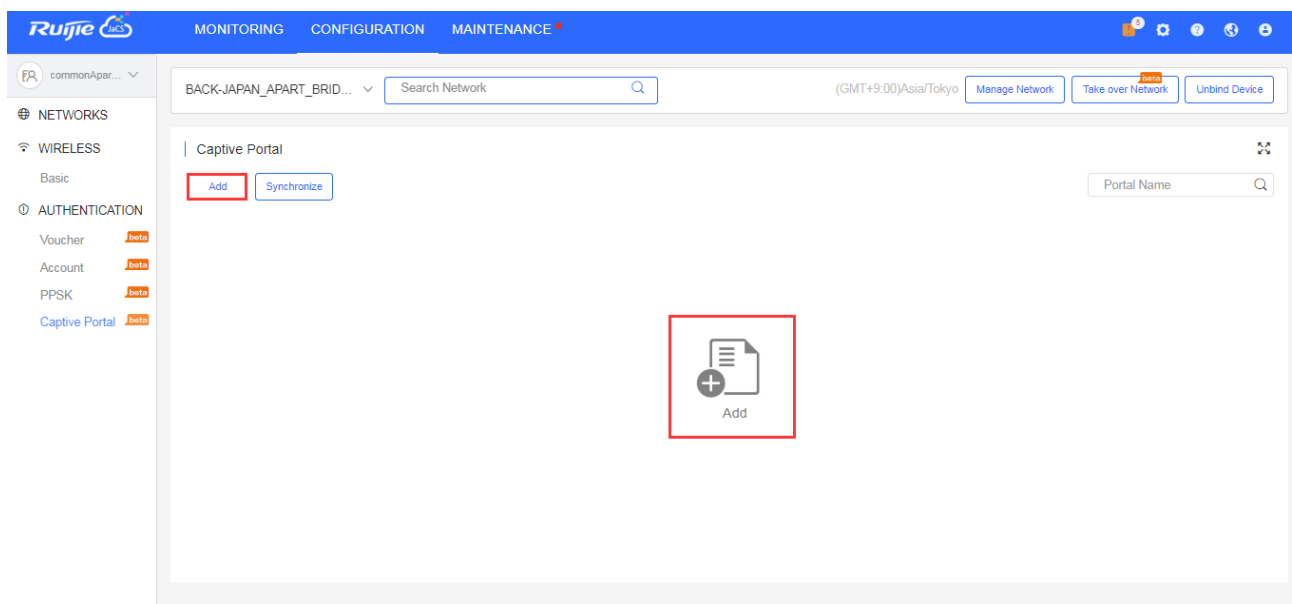
When **Captive Portal** is enabled, SSID can associate with the templates. You can manage templates under a network, but only use or associate templates under a sub-network.


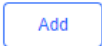
6.3.4.1 Captive Portal List

The list displays all captive portal templates, including thumbnails, name, association status, creation time and description.



● Add Captive Portal



Click  or  to open the **Add Captive Portal** page. Enter name, description and post login URL, and select login options. After **Status Balance Page** is enabled, you can check your balance information after login.

Ruijie Cloud MONITORING CONFIGURATION MAINTENANCE

Captive Portal Add

Name

Description

Login Options ☒ One-click Login ☒ Voucher ☒ Account

Show Balance Page ☐

Post-login URL

Portal Page

Basic Advanced

Logo Picture Default Logo [Upload](#)

Mobile Desktop [Reset Style](#)

There are three login options: **One-click Login**, **Voucher**, and **Account**.

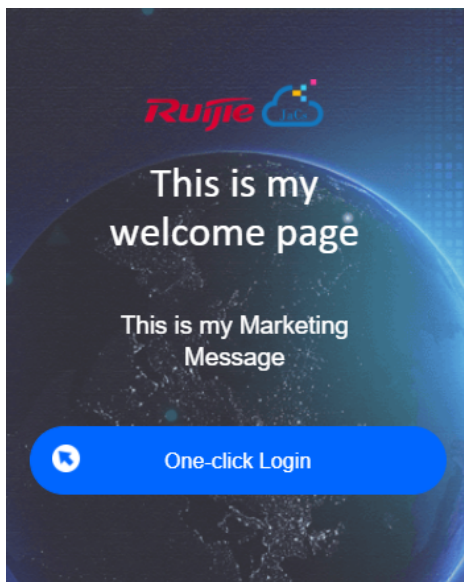
One-Click Login: You can set **Access Duration** and **Access Times Per Day**.

Login Options ☒ One-click Login ☐ Voucher ☐ Account

Access Duration (Min)

Access Times Per Day

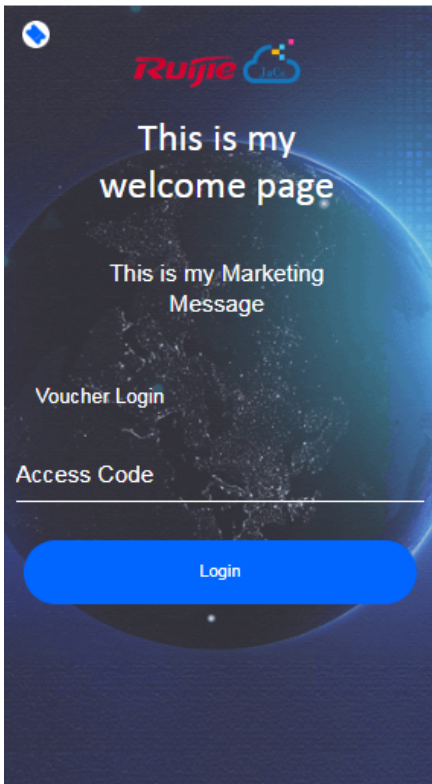
The page for One-click Login:



Voucher: You can log in with the voucher code.

Login Options ☐ One-click Login ☒ Voucher ☐ Account

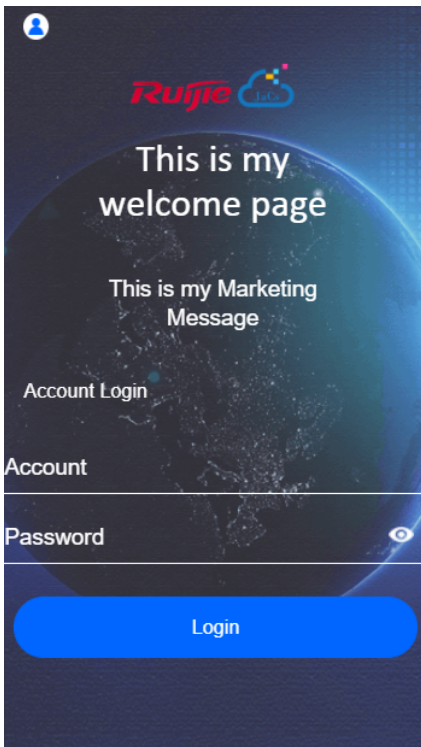
The page for Voucher:



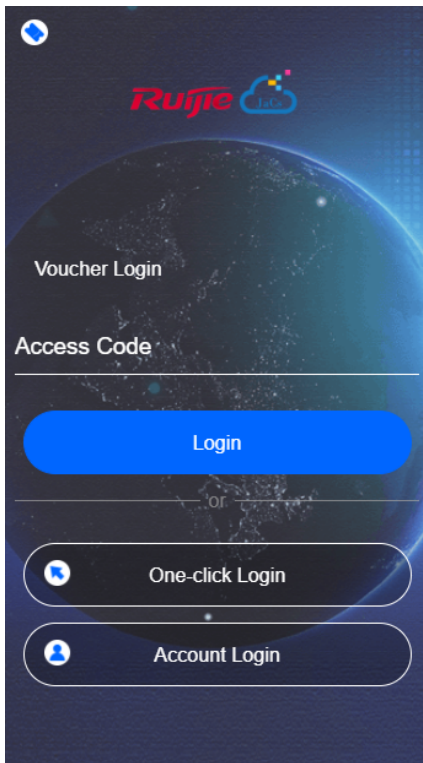
Account: You can log in with the account and password.

Login Options ☐ One-click Login ☐ Voucher ☒ Account

The page for Account:

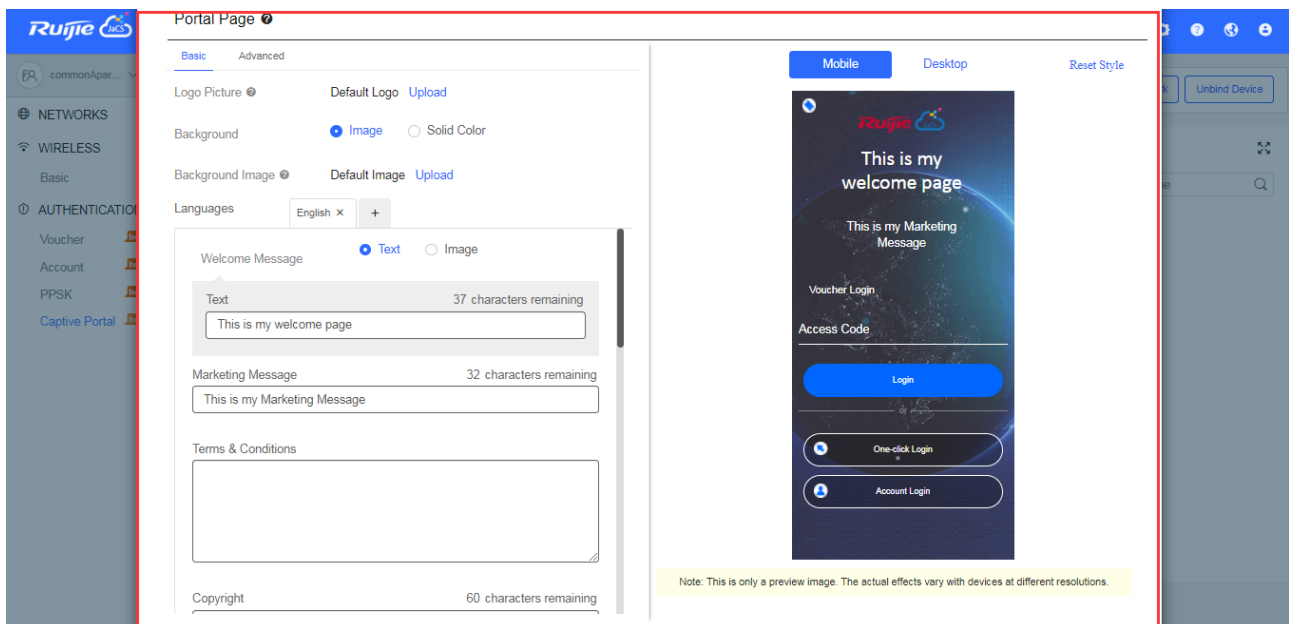


You can also select multiple login options. The page for One-click Login, Voucher, and Account Login:



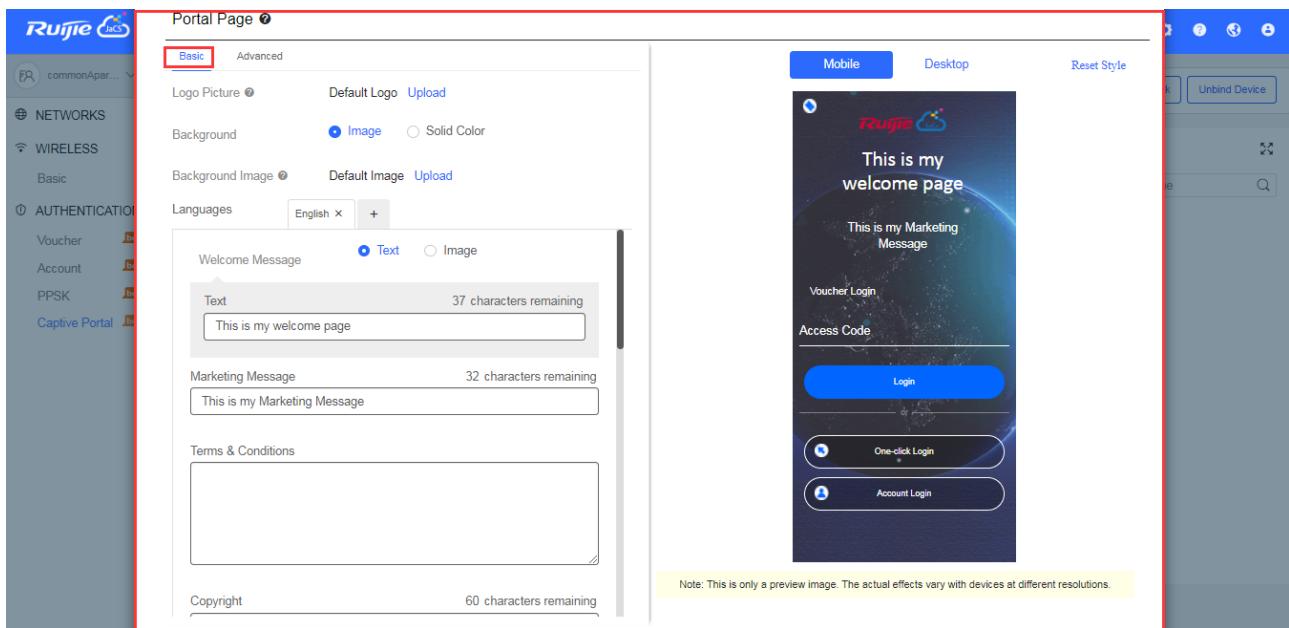
● Portal Page

You can customize the content and style of the login page. The previews on the mobile phone and PC are displayed on the right.

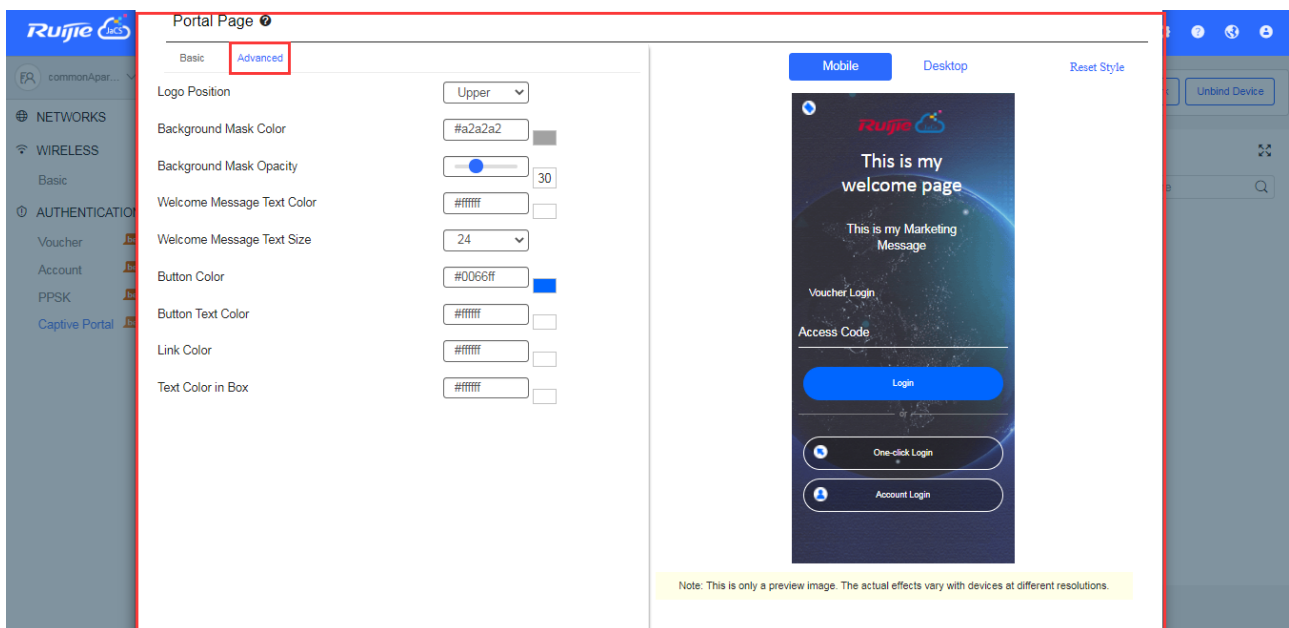



Each type of authentication supports a maximum of three languages. During authentication, users can select a language switching icon in the upper right corner of the authentication page to switch the language.

In the **Basic** tab, set the logo picture, background color or image, welcome message, marketing message, terms & conditions and copyright.




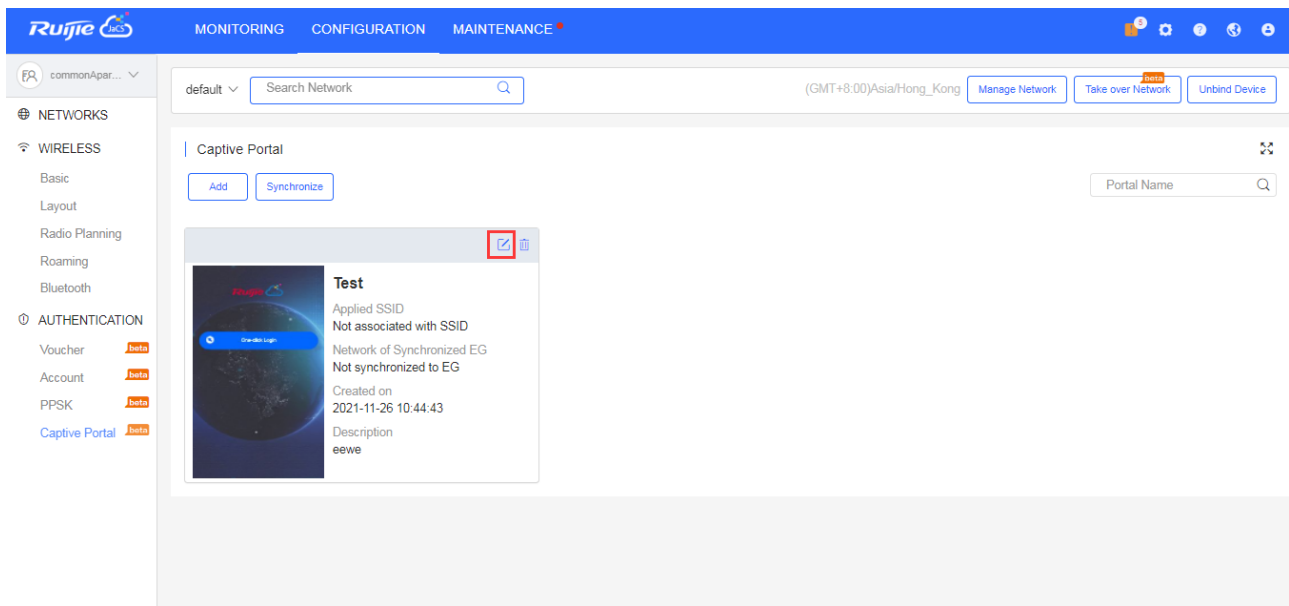
In the **Advanced** tab, set the Logo position, background mask color/opacity, text color/size. Click **Reset Style** to restore the default style.





Click  on the bottom to save.

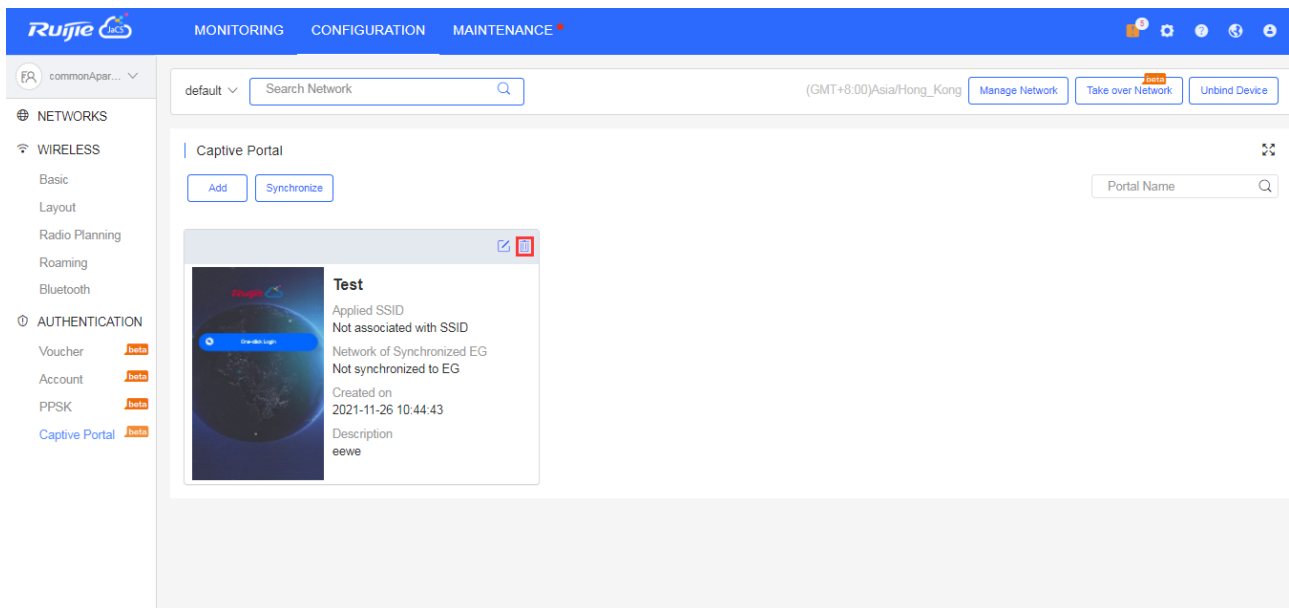
6.3.4.2 Edit Captive Portal

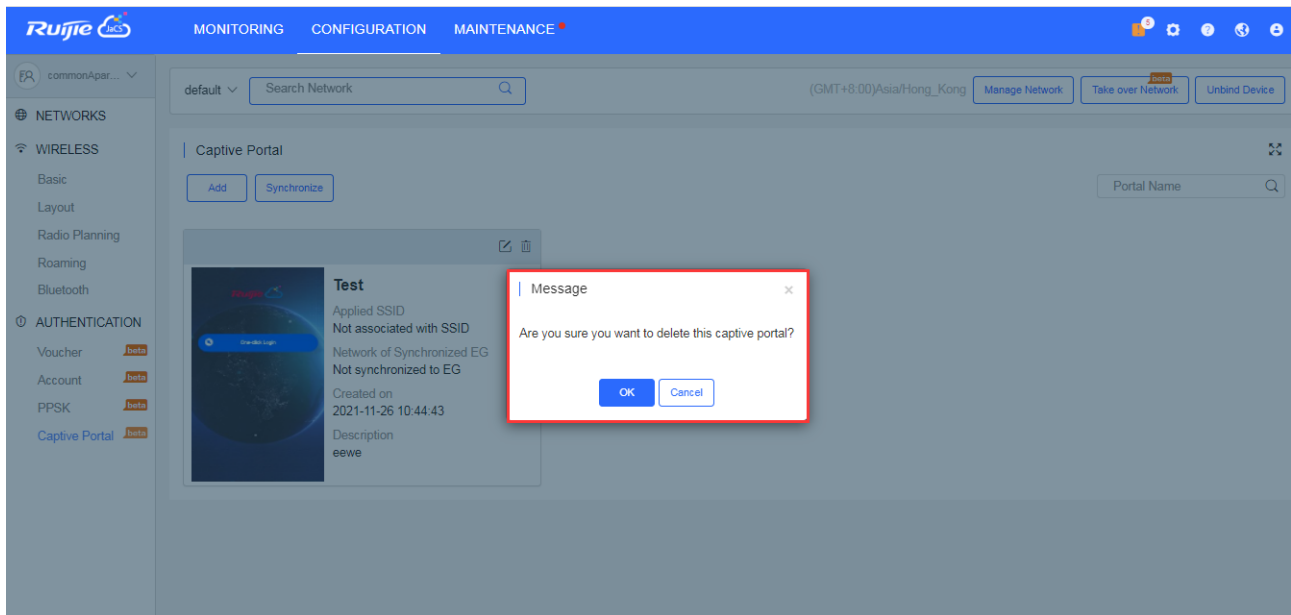
Click  to edit a template, and click  to save.



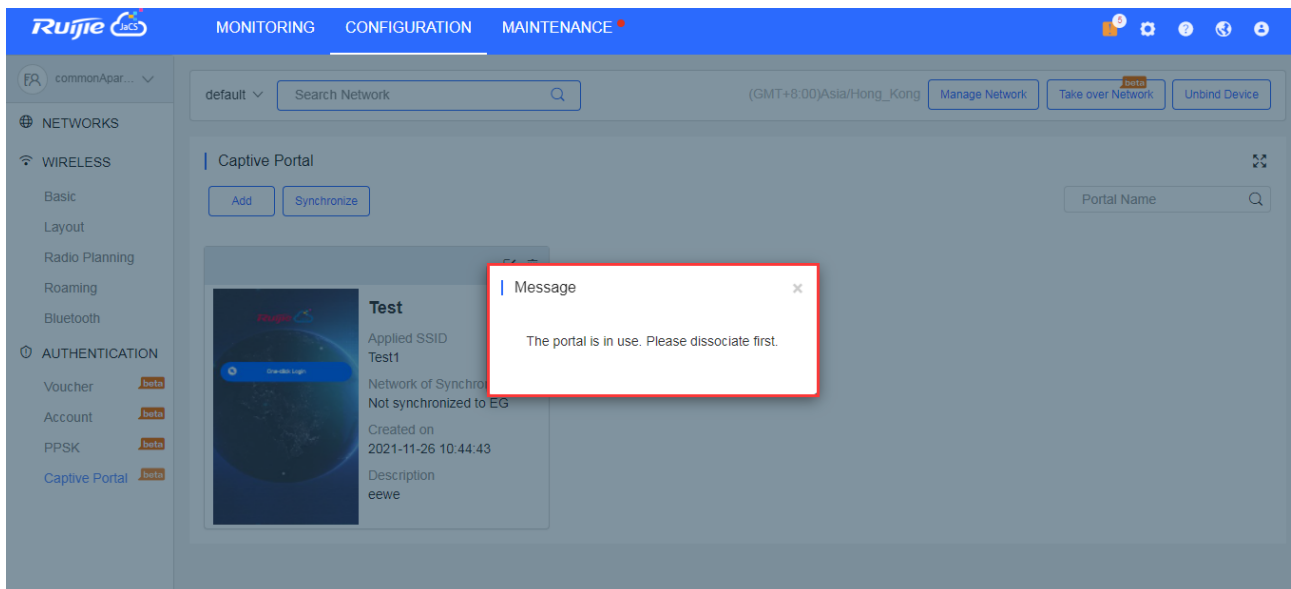
6.3.4.3 Delete Captive Portal

Click  and then click  in the confirmation window to delete a template.





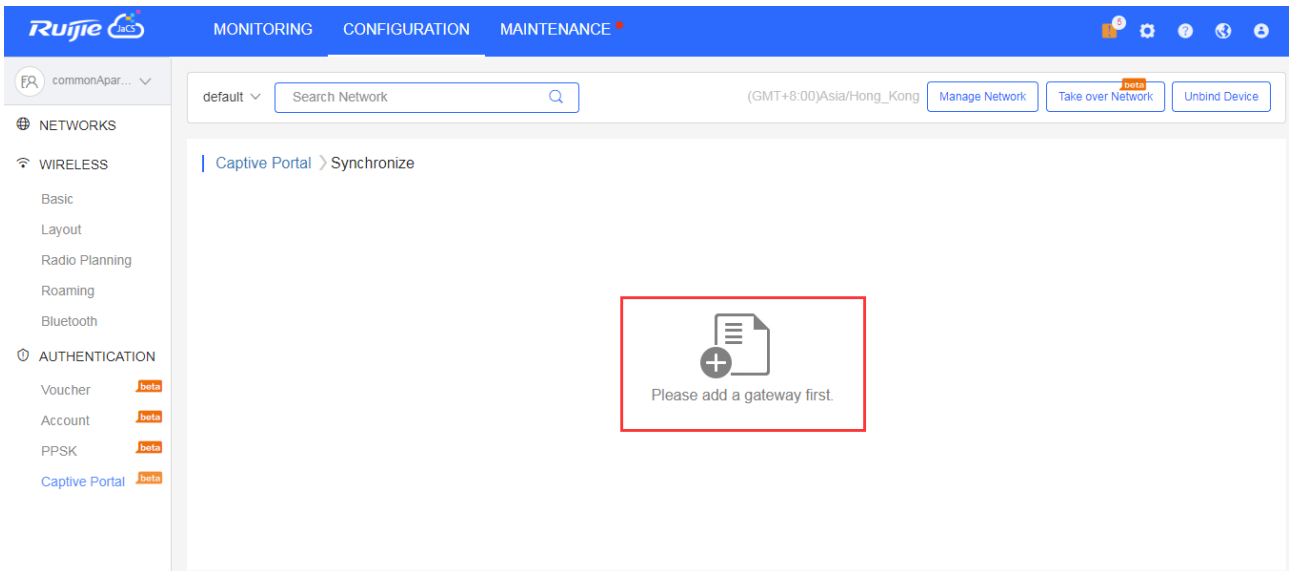
If the template is associated to an SSID or applied to the EG, then you need to dissociate it before delete.



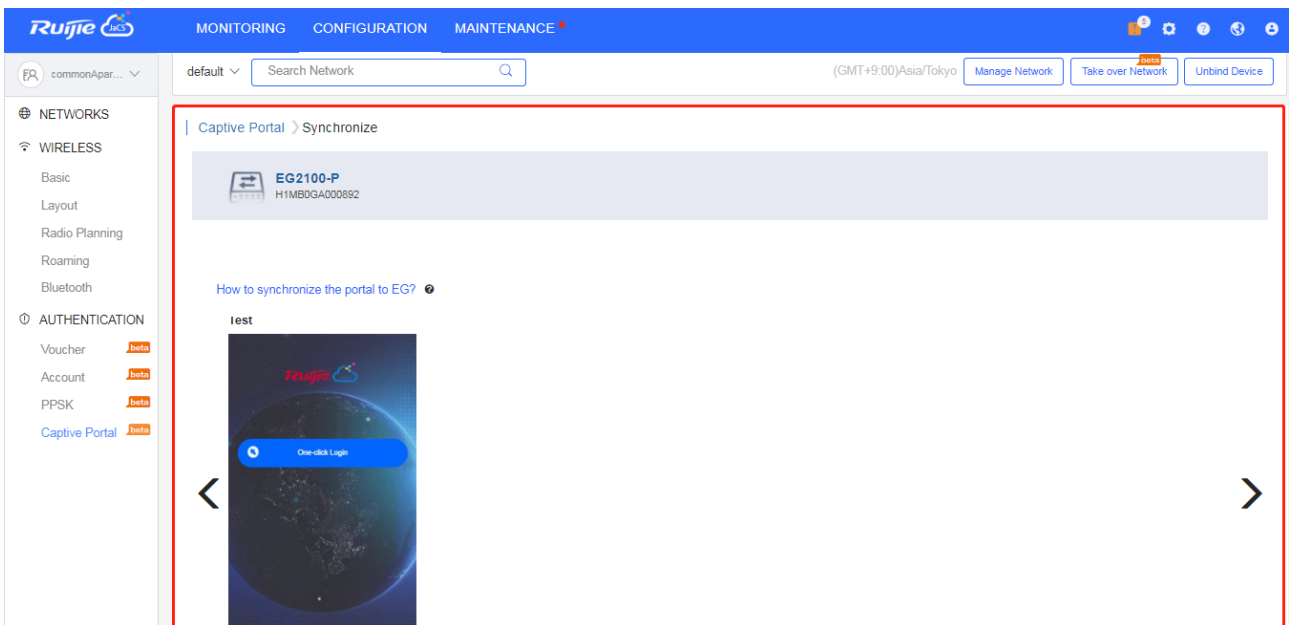
6.3.4.4 Apply to EG

Click [Synchronize](#) to synchronize the captive portal template to the EG.

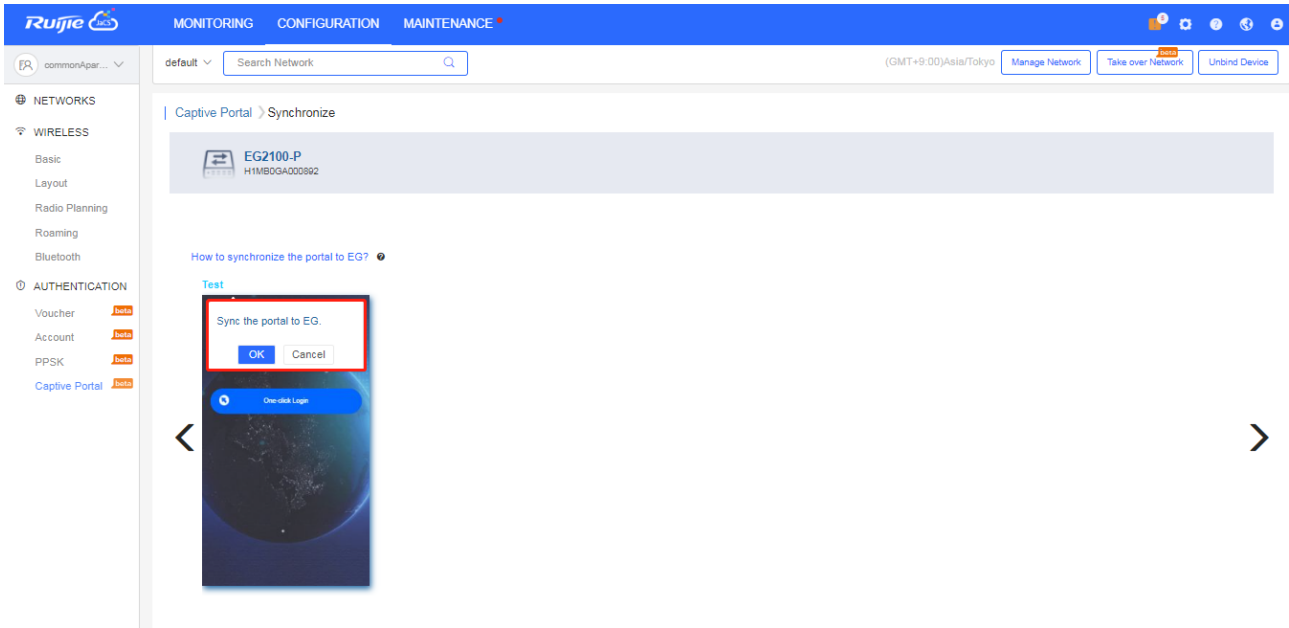
If no EG exists in the current network, you can click  Please add a gateway first. to jump to the **MONITORING > DEVICE > Gateway** page.



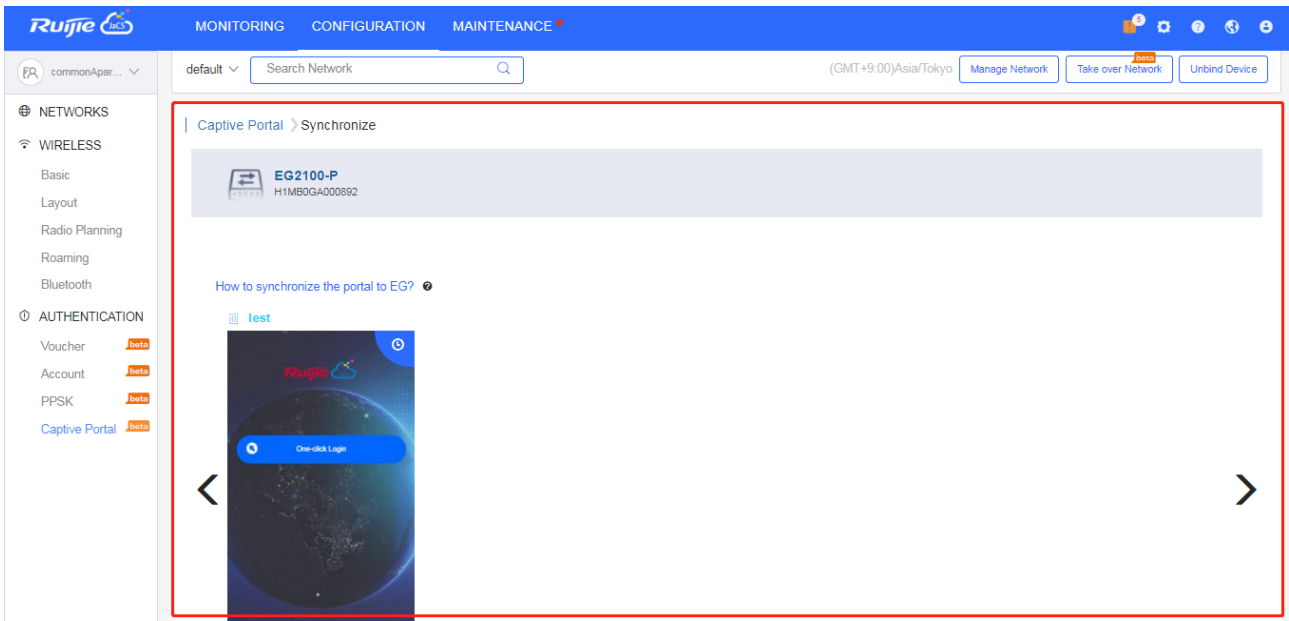
If there is an EG in the current network, the page is displayed as below:



Only one template can be synchronized to an EG. Select a template and click **OK**.



After the template is applied, the date of last synchronization will be displayed above.



6.4 Settings

6.4.1 AP


6.4.1.1 Initial Configuration Template

Click **Configuration > Settings > AP** to open the setting page. In this page, you can configure initial configuration template and device-specific config.

In the **Initial Config Template** page, a **Config List** is displayed, and all templates are shown in the order of update time. You can add, edit, copy and delete a template. You can also search a template by name.


The screenshot shows the Ruijie Configuration page. In the left sidebar, the 'Settings' menu item is highlighted with a red box. The main content area displays the 'Config List' table. The table has the following columns: Template Name, Status, Latest Update on, Description, and Action. The table contains several rows of template data, including 'test1231', 'test2222555', 'test2222', 'test111test', 'test11021', 'test1102102', and '111'. The 'Action' column for each row contains icons for edit, delete, and other operations.

■ Copying a Template

After clicking  in the **Action** column, a prompt will appear. Enter a new template name and description, then click **Save** to form a new template. Except the name and description, other configurations of the new template remain the same with the previous one.


The screenshot shows the Ruijie Configuration page with the 'Copy' dialog box open. The dialog box has two input fields: 'Template Name' and 'Description'. Below the input fields are 'Save' and 'Cancel' buttons. In the background, the 'Config List' table is visible, and the 'Copy' icon in the 'Action' column of the table is highlighted with a red box.

■ Deleting a Template

Click  in the **Action** column to delete a template. If the following prompt message appears, it means the template cannot be deleted as it is already in use.

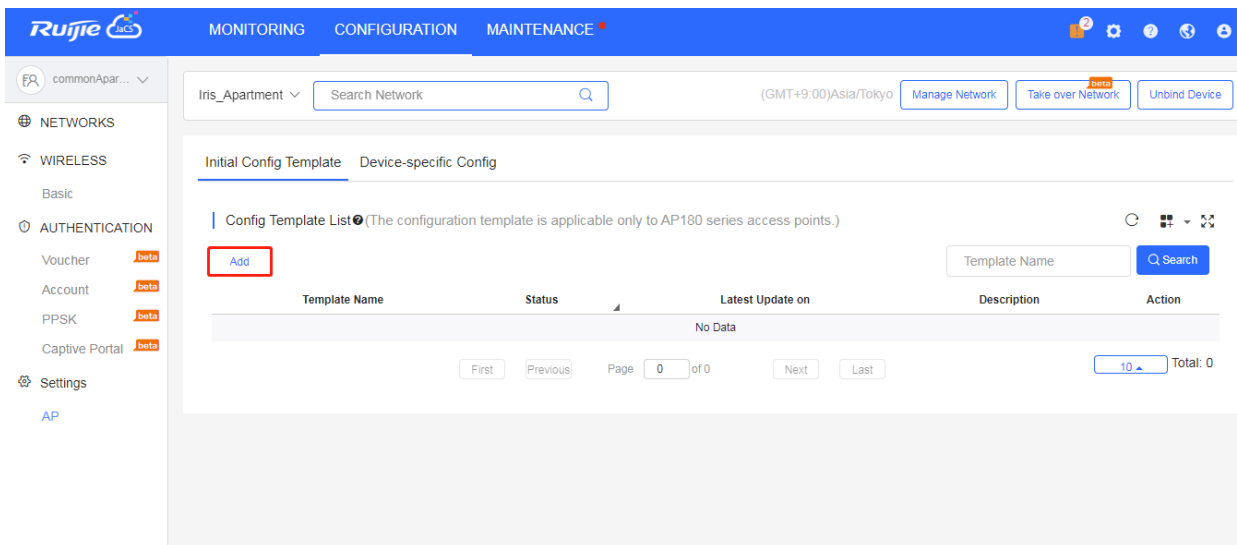
The screenshot shows the Ruijie Configuration page with the 'Message' dialog box open. The dialog box displays the message 'This template is already in use'. In the background, the 'Config List' table is visible, and the 'Delete' icon in the 'Action' column of the table is highlighted with a red box.

■ Editing a Template

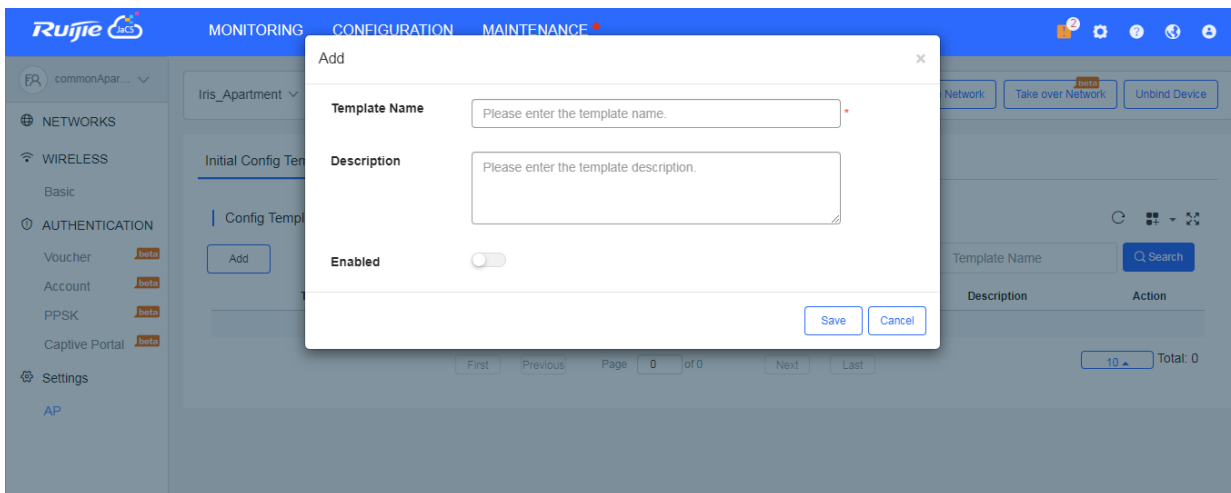
Click  in the **Action** column to edit a template. You can edit all the configurations of the template, but if the template is in used, it cannot be edited.

■ Adding a Template

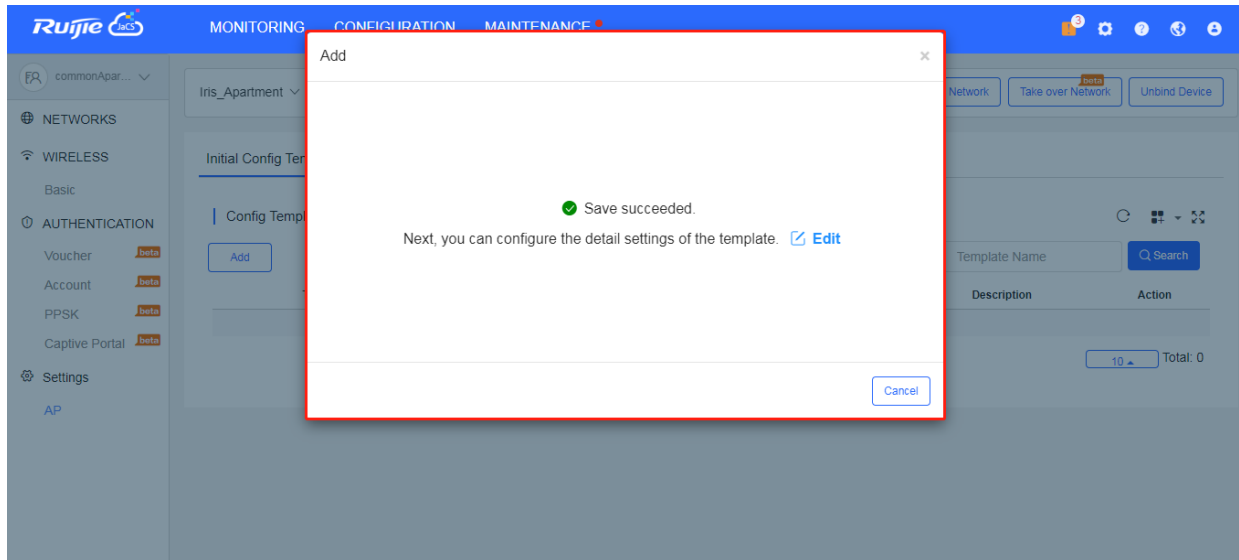
Click **Add** to open the setting page.



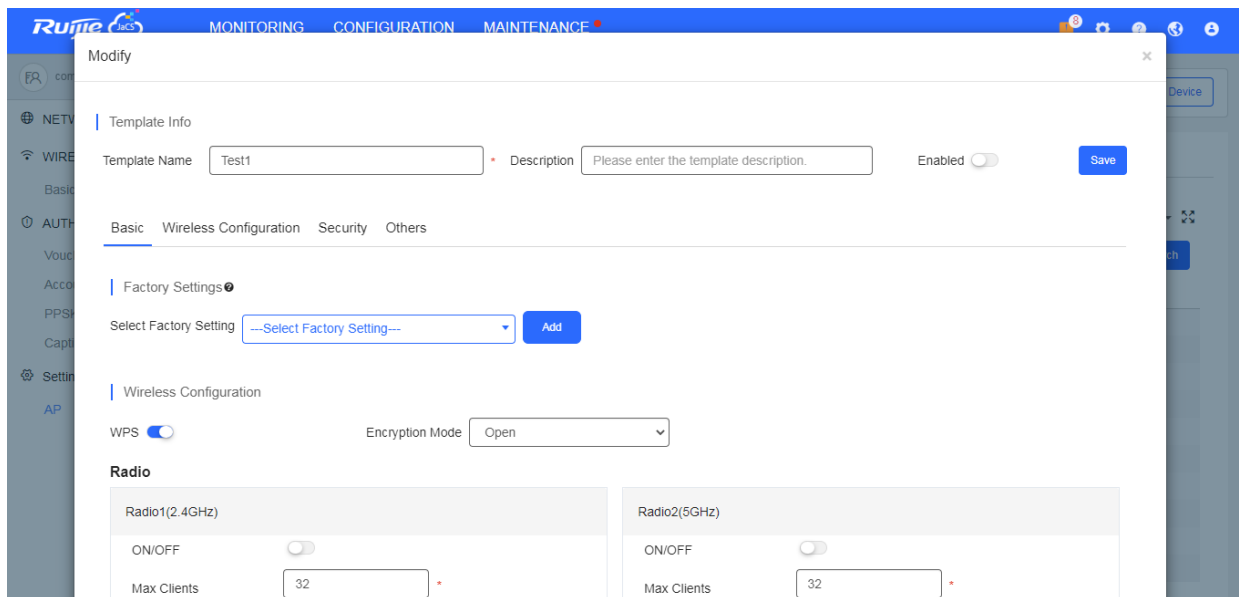
Specify the **Template Name** (required) and **Description** (optional), and then click **Save**.



When the **“Save succeeded”** appears, the operation is complete.



Click [Edit](#) to modify the basic information of the template.



In the **Modify** page, you can change the settings of the template name, the description and the enabled status. When a change is made, click **Save** in the right side.

You also can specify the parameters in the four Tab pages: **Basic**, **Wireless Configuration**, **Security** and **Others**. After modifying the parameters, click **Save**.

● Basic

In this page, you can configure factory settings, radios, DNS, the password of eWeb and IPv6.

Initializing Factory Setting (Optional):

You can click the down arrow to select an existing template, or click **Add** to create a new one. If you select an existing template, the configurations of the template will be displayed below the selection box. If you need to add a new template, you can click **Add** to go to the **Factory Configuration** page.



When the factory settings are applied to a device, you need to press the reset button of the device to reset the device to make them take effect, and all global configurations and other configurations will be cleared.

In the **Factory Configuration** page, you can add a new factory setting, and edit or delete an existing one. When a new factory setting is added, it will be displayed in the drop-down list box. If a factory setting is changed, it will take effect in all templates to which the factory settings are applied. Only an unused factory setting can be deleted.

Name	IP	Subnet Mask	Gateway	DNS	Action
2022-09-26	192.168.60.4	255.255.255.0	0.0.0.0	1.1.1.1	
22222_Test_Length111	192.168.60.4	255.255.255.0	0.0.0.0	1.1.1.1	
2222	192.168.60.4	255.255.255.0	0.0.0.0	1.1.1.1	
222	192.168.60.4	255.255.255.0	0.0.0.0	1.1.1.1	
22	192.168.60.4	255.255.255.0	0.0.0.0	1.1.1.1	
2	192.168.60.4	255.255.255.0	0.0.0.0	1.1.1.1	
test22	192.168.110.1	255.255.255.0	0.0.0.0	1.1.1.1	
test5566	192.168.3.2	255.255.255.0	12.12.3.1	1.1.1.1	
test44	192.168.3.1	255.255.255.0	192.168.12.1	8.8.8.8	
test111	172.28.110.1	255.255.255.0	192.168.110.2	112.12.12.1	
test-4	192.168.110.1	255.255.255.0	0.0.0.0	1.1.1.1	

Add

Template Info

Template Name * Description Enabled ☐

Init Factory Setting

Select Factory Setting
 IP 192.168.3.1 Subnet Mask 255.255.255.0 Gateway 192.168.12.1 DNS 8.8.8.8

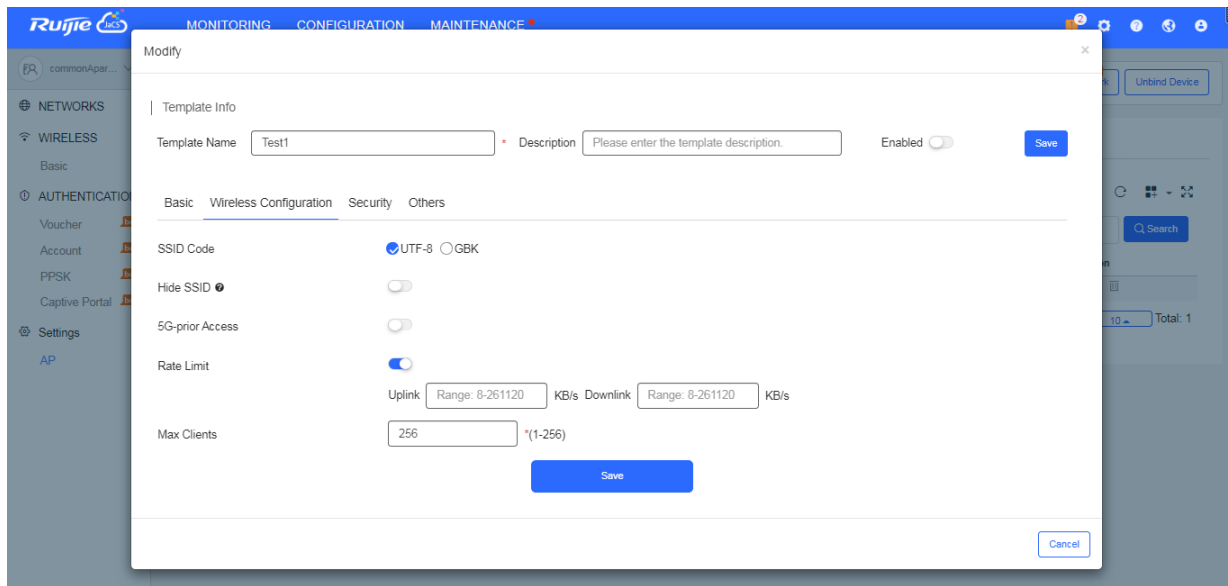
Wireless Configuration

Enable WPS ☐ Enable WPS Button ☐ Encryption Mode

● Wireless Configuration


You can hover your mouse on  to view the notes of **Hide SSID**.

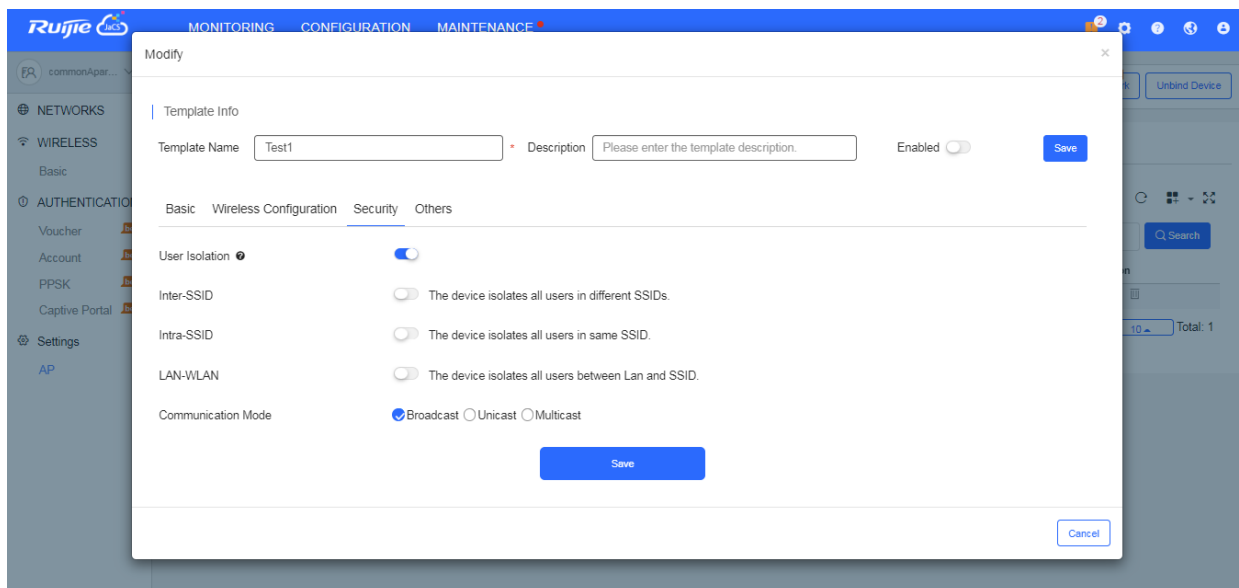
When **Rate Limit** is enabled, you need to set the downlink and uplink rate.



● Security

In this page, you can configure user isolation and communication mode.

When the user isolation is enabled, inter-SSID, intra-SSID and LAN-WAN are enabled simultaneously. You can hover the mouse over  to check more details about this function.



● Others

The **Periodical Restart** is disabled by default. When it is enabled, you can choose **Simple Policy** and **Sophisticated Policy** to schedule the reboot of the device to take effect in a specific time.

When LED schedule is enabled, you should specify the start time and the end time.

Template Name: Description: Enabled: ☐

Basic Wireless Configuration Security Others

Periodical Restart: ☒ Simple Policy ☐ Sophisticated Policy
 Date: Start Time:

LED: ☐ Enabled ☐ Disabled ☒ LED Schedule
 Date: Start Time:

Panel (You can enable or disable buttons on the faceplate in the follows.)

WPS: ☒ Reset: ☒ Power: ☒ LED: ☒ Standby ☐ Run

Save

6.4.1.2 Device-specific Configuration

In the **Device Config List**, the information of all devices with specific configuration is displayed, including SN, IP, 2.4G SSID, 2.4G PASSWORD, 5G SSID, 5G PASSWORD and Update Time. In the 2.4G/5G SSID and 2.4G/5G PASSWORD columns, commas (,) are used to separate multiple SSIDs and passwords. And the SSIDs and passwords are one-to-one correspondence. Up to 3 SSIDs or passwords are supported.

MONITORING CONFIGURATION MAINTENANCE

Apartment: (GMT+9:00)Asia/Tokyo Manage Network Take over Network Unbind Device

Initialize Config Template **Device-specific Config**

Device Config List

SN	IP	2.4G SSID	2.4G Password	5G SSID	5G Password	Update Time
1234942571995	DHCP	specific_test1_24G.test11.test22	1234567890,1234511111,1212312313	specific_test1_5G	1234567890	2022-09-30 15:59:34
1234942570359	172.20.93.30/255.255.255.0	specific_test1_24G.test11.test22	1234567890,1234511111,1212312313	specific_test1_5G	1234567890	2022-09-28 12:43:15

First Previous Page 1 of 1 Next Last Total: 2

■ Downloading the Template

Click **Download Template** to download the template. The parameters and their description are shown as follows:

A	B	C	D	E	F	G
SN	IP Address	Subnet Mask	2.4G SSID	2.4G SSID Password	5G SSID	5G SSID Password

The SN is required. The IP address and subnet mask should be filled in or not filled in together (when they are left empty, the device will obtain IP address and subnet mask via DHCP). The other four fields are optional.

- Multiple SSIDs and passwords are supported. Use commas (,) to separate them.

■ Importing Configuration

Click **Import Config** to import the template. Up to 200 templates are supported. When a template is imported, the system will verify the parameters filled in the template. The import process will be stopped when one of the following situations occurs:

- The SN is not available in the current network.
- The format of IP address is incorrect.
- The number of SSIDs and passwords are different.

■ Search

You can enter the SN of a device in the search box in the upper right corner to search the device.

7 Maintenance

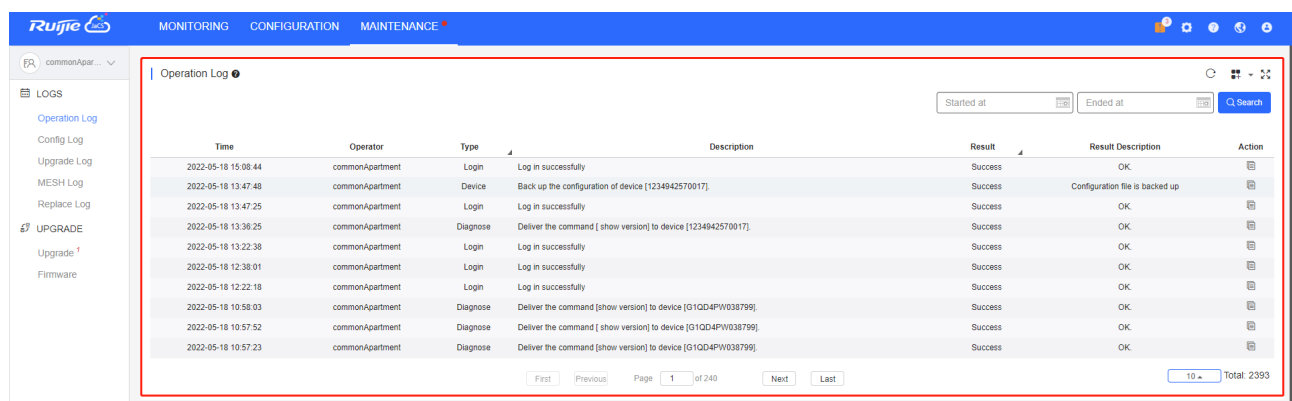
The **Maintenance** module mainly provides the following functional services:

- LOGS
- UPGRADE

7.1 Logs

7.1.1 Operation Log

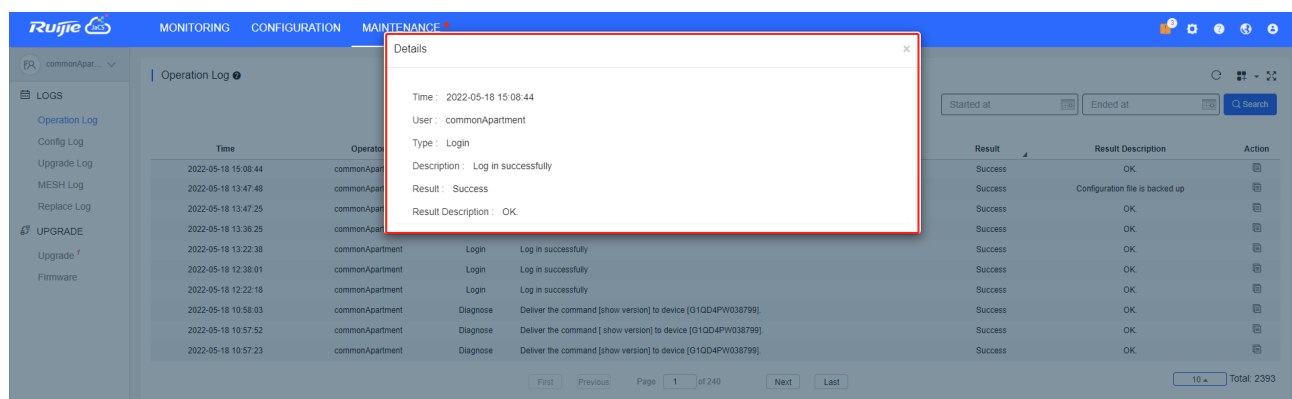
This page shows operation logs.



Time	Operator	Type	Description	Result	Result Description	Action
2022-05-18 15:08:44	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 13:47:48	commonApartment	Device	Back up the configuration of device [1234942570017]	Success	Configuration file is backed up	
2022-05-18 13:47:25	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 13:36:25	commonApartment	Diagnose	Deliver the command [show version] to device [1234942570017]	Success	OK.	
2022-05-18 13:22:38	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 12:38:01	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 12:22:18	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 10:58:03	commonApartment	Diagnose	Deliver the command [show version] to device [G1QD4PW038799]	Success	OK.	
2022-05-18 10:57:52	commonApartment	Diagnose	Deliver the command [show version] to device [G1QD4PW038799]	Success	OK.	
2022-05-18 10:57:23	commonApartment	Diagnose	Deliver the command [show version] to device [G1QD4PW038799]	Success	OK.	

Click  in **Action** column to check log details.

General operation log details are shown as follows:

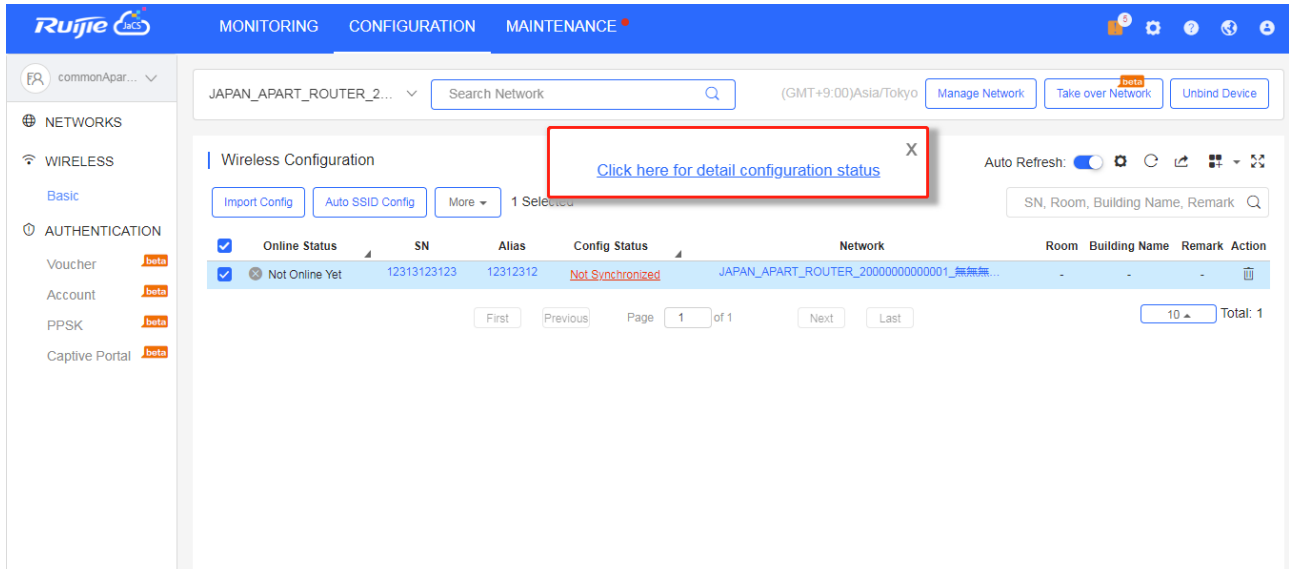


Time	Operator	Type	Description	Result	Result Description	Action
2022-05-18 15:08:44	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 13:47:48	commonApartment	Device	Back up the configuration of device [1234942570017]	Success	Configuration file is backed up	
2022-05-18 13:47:25	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 13:36:25	commonApartment	Diagnose	Deliver the command [show version] to device [1234942570017]	Success	OK.	
2022-05-18 13:22:38	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 12:38:01	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 12:22:18	commonApartment	Login	Log in successfully	Success	OK.	
2022-05-18 10:58:03	commonApartment	Diagnose	Deliver the command [show version] to device [G1QD4PW038799]	Success	OK.	
2022-05-18 10:57:52	commonApartment	Diagnose	Deliver the command [show version] to device [G1QD4PW038799]	Success	OK.	
2022-05-18 10:57:23	commonApartment	Diagnose	Deliver the command [show version] to device [G1QD4PW038799]	Success	OK.	

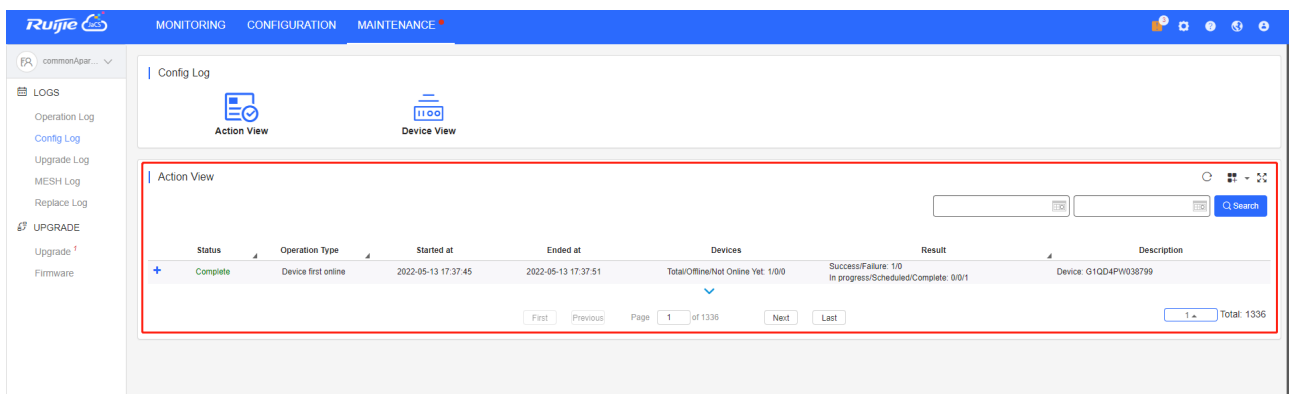
7.1.2 Config Log

7.1.2.1 Action View

When the device configuration is imported, a prompt will pop up. Click the prompt to open the log page and export the SSID result.




On the log page, the latest record will be displayed by default

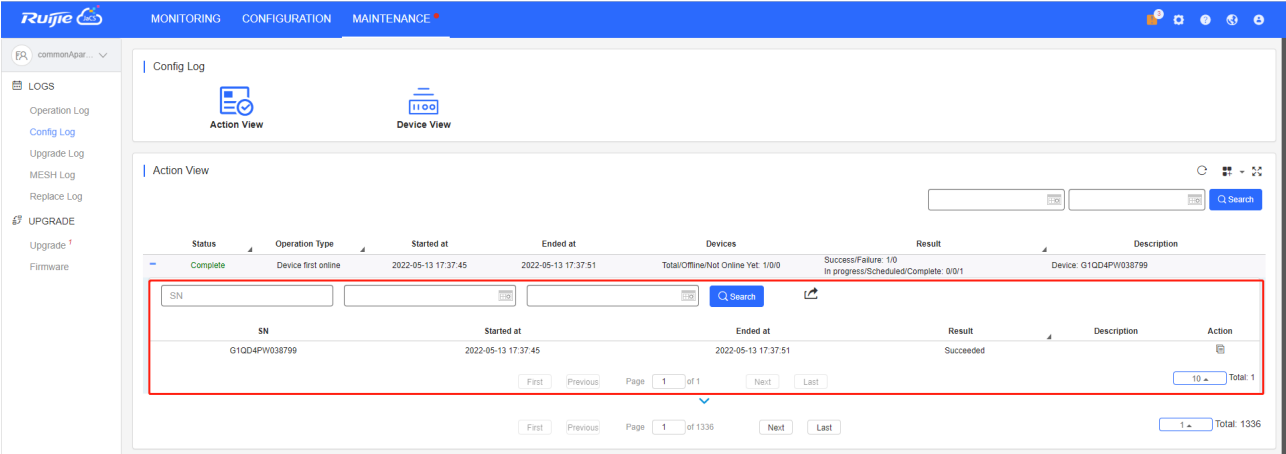



- Status: View the status of the configuration
 - Complete: Configuration completes
 - In progress: Configuration is in progress
 - Scheduled: Configuration is scheduled
- Result: View configuration results
 - Success: Number of devices configured successfully
 - Failure: Number of devices whose configuration fails
- Devices
 - Total: Total devices in the network
 - Offline: Number of offline devices
 - Not Online Yet: Number of devices that never go online

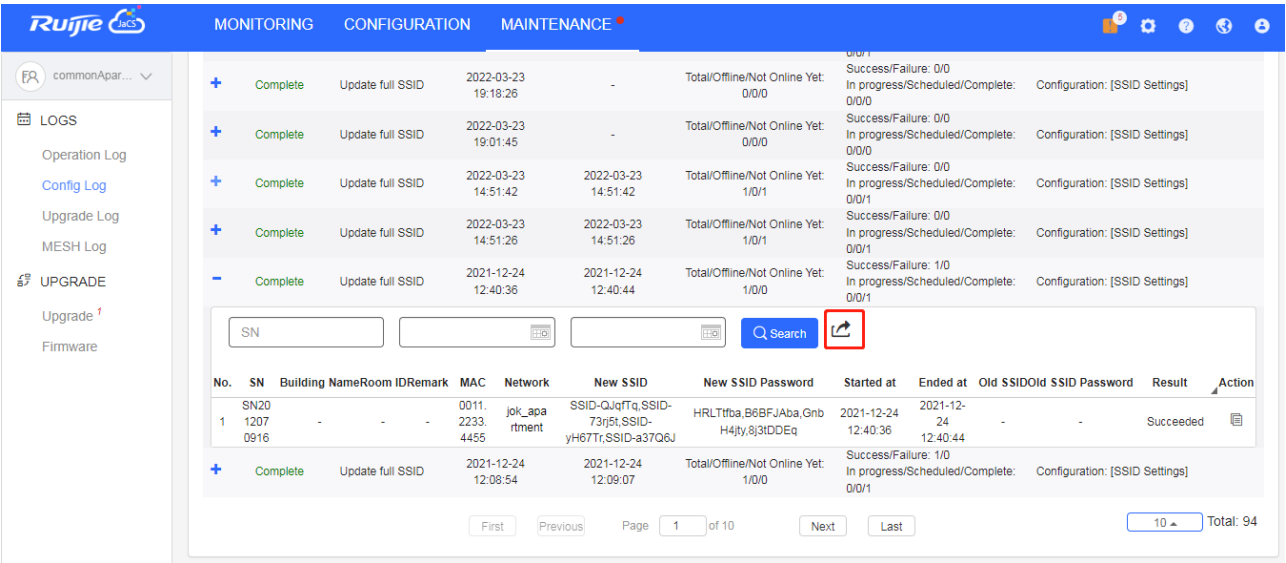
Cloud will give priority to the online devices, and will actively apply the configuration after the offline devices go online.

- Description: View configuration command
- Refresh: As it takes a while to complete the configuration, you can click this button to refresh the configuration progress.

Click  to display more configuration information.



Click  to export the configuration result.



The exported file is shown as the figure below.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	SSID and Password Change Form (Output)												
2	NO.	Building Name	Room No	Remark	MAC	Network	New SSID	New SSID Password	Started	Ended	Old SSID	Old SSID Password	Result
3	1				0011.2233.4455	jok_apartment	SSID-QJqTTq,SSID-73rj5t,SSID-yH67Tr,SSID-a37Q6J	HRlTtftba,B6BFJAba,GnbH4jty,8j3tDDEq	2021-12-24 12:40:36	2021-12-24 12:40:44			Succeeded
4													

You can check the result in the **Result** column which may be “Succeeded” or “Failed”.

7.1.2.2 End SSID and Password Configuration of Offline Device Immediately (Apartment Scenario)

Suppose the operator changes the SSIDs and passwords of two rooms and exports the result.

Action View											
Status	Operation Type	Started at	Ended at	Devices	Result	Description					
Complete	Update template	2021-02-16 15:58:17	2021-02-16 15:58:18	Total/Offline/Not Online Yet: 0/0/0	Success/Failure: 0/0	Config: JANPAN-TEST_フル...					
Complete	Update template	2021-02-16 15:58:17	2021-02-16 15:58:18	Total/Offline/Not Online Yet: 0/0/0	Success/Failure: 0/0	Config: JANPAN-TEST_フル...					
Complete	Apply template	2021-02-16 15:58:15	2021-02-16 15:58:15	Total/Offline/Not Online Yet: 0/0/0	Success/Failure: 0/0	Group name: JANPAN-TEST_フル...					
Complete	Update full SSID	2021-02-16 15:34:08	-	Total/Offline/Not Online Yet: 6/2/2	Success/Failure: 2/2	Configuration: [SSID Settings]NEV...					

SN	Building Name/Room	Remark	MAC	Network	New SSIDs	New Passwords	Started at	Ended at	Old SSIDs	Old Passwords	Result	Action
15A8300101	5000000000 10	1800000000	0017.2E9A.D	JAPAN_LAPART	SSID-bhY3rR.SSID-M4THn	dTR4GLD.BINy5t	2021-02-16 15:34:09	2021-02-16 15:34:09	SSID-bhY3rR.SSID-M4THn	dTR4GLD.BINy5t	Never online	
1095000024	001 1	00	9CC	BRIDGE_20000000000001_サタタタタ	SSID-ATArY.SSID-R8nfm.SSID-hKEV7.SSID-Rh334	9tYhA_5444aFq.eLN6Fend.MALnLma	2021-02-16 15:41:28	2021-02-16 15:41:28	SSID-ATArY.SSID-R8nfm.SSID-hKEV7.SSID-Rh334	9tYhA_5444aFq.eLN6Fend.MALnLma	Failed	
168500750	001 4	0012	CTA	BRIDGE_20000000000001_サタタタタ	SSID-eyHfB.SSID-9rhMBA	Th6ba7F.FanJ4uJl	2021-02-16 15:34:08	2021-02-16 15:34:08	SSID-eyHfB.SSID-9rhMBA	Th6ba7F.FanJ4uJl	Offline	
177800791	001 2	00	89D	BRIDGE_20000000000001_サタタタタ	SSID-49699.SSID-77777.SSID-QOOOO.SSID-PPPPP	PASS00000.PASS11111111.PASS2222222222.PA	2021-02-16 15:34:08	2021-02-16 15:34:08	SSID-49699.SSID-77777.SSID-QOOOO.SSID-PPPPP	Pass11111111111111111111111111111111	Succeeded	
CALC16206999	-	-	0074.9182.2b	BRIDGE_20000000000001_サタタタタ	SSID-11111111.SSID-22222.SSID-QAZWSX.SSID-EDCRFV7081HhN	qazwsx123.qazwsx1234444.qazwsx12345.hhhh	2021-02-16 15:34:08	2021-02-16 15:34:08	SSID-11111111.SSID-22222.SSID-QAZWSX.SSID-EDCRFV7081HhN	qazwsx123.qazwsx1234444.qazwsx12345.hhhh	Offline	
G1PD4PW0008	10000-1 00	1500000000	300d.9ee8.71ea	JAPAN_LAPART	SSID-11111111.SSID-22222.SSID-QAZWSX.SSID-EDCRFV7081HhN	qazwsx123.qazwsx1234444.qazwsx12345.hhhh	2021-02-16 15:34:08	2021-02-16 15:34:08	SSID-11111111.SSID-22222.SSID-QAZWSX.SSID-EDCRFV7081HhN	qazwsx123.qazwsx1234444.qazwsx12345.hhhh	Failed	
G1PD4PW00279	001 001	00	ee	BRIDGE_20000000000001_サタタタタ	SSID-49699.SSID-77777.SSID-QOOOO.SSID-PPPPP	PASS00000.PASS11111111.PASS2222222222.PA	2021-02-16 15:34:08	2021-02-16 15:34:08	SSID-49699.SSID-77777.SSID-QOOOO.SSID-PPPPP	Pass11111111111111111111111111111111	Never online	
G1PH80V00020	002 2	003	c0b8.e67e.d679	JAPAN_LAPART	SSID-11111111.SSID-22222.SSID-QAZWSX.SSID-EDCRFV7081HhN	qazwsx123.qazwsx1234444.qazwsx12345.hhhh	2021-02-16 15:34:08	2021-02-16 15:34:08	SSID-11111111.SSID-22222.SSID-QAZWSX.SSID-EDCRFV7081HhN	qazwsx123.qazwsx1234444.qazwsx12345.hhhh	Succeeded	

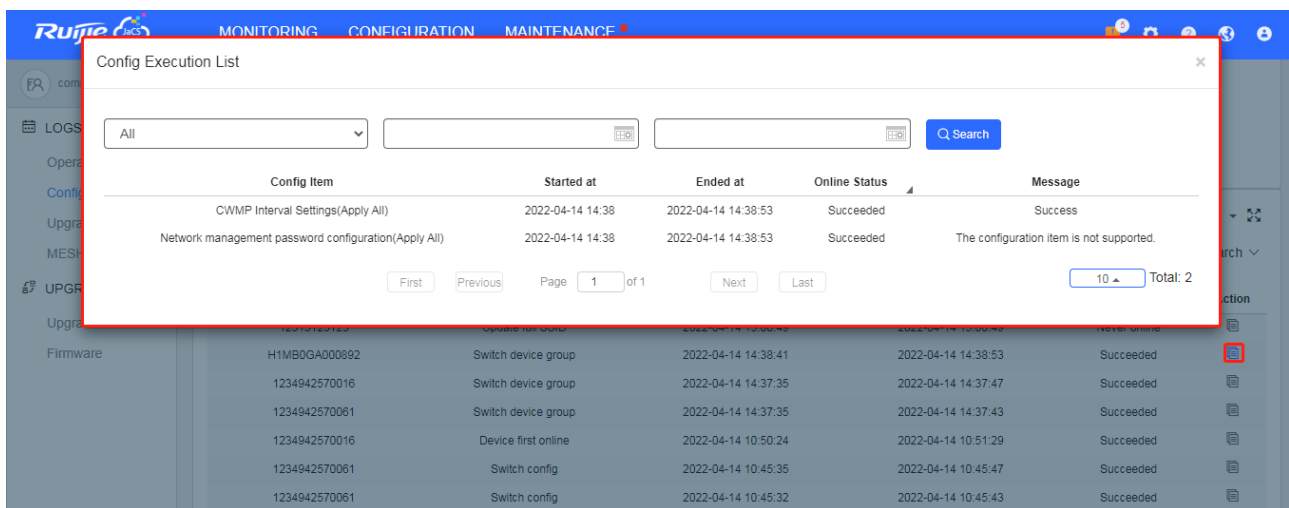
Although there are offline devices waiting for SSID and password configuration, the overall configuration is completed. The operator can export result and send new SSIDs/passwords to the tenant. When the offline devices go online, the new SSIDs and passwords will be synchronized to the devices automatically.

A	B	C	D	E	F	G	H	I	J	K	L	M
SSID and Password Change Form (Output)												
ID	Building Name	Room	Remark	MAC	Network	New SSIDs	New Passwords	Started	Ended	Old SSIDs	Old Passwords	Result
1	50000000000001	101	18000000000000	0017.2E9A.D9CC7E	200000000000-bhY3rR.SSID-M4TR4GLD.BINy5t	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	bhY3rR.SSID-M4TR4GLD.BINy5t		Never online
2	50000000000001	103	18000000000000	0017.2E9C.4AB27E	200000000000-r8nfm.SSID-hfAeFq.eLN6Fend	2021 02/16 15:41	2021 02/16 15:41	2021 02/16 15:41	2021 02/16 15:41	r8nfm.SSID-hfAeFq.eLN6Fend		Failed
3	50000000000001	104	180000000000012	0017.2E9C.7C7A7E	200000000000-eyneYB.SSID-brfnebbaf7.FanJ4uJl	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	eyneYB.SSID-brfnebbaf7.FanJ4uJl		Offline
4	50000000000001	102	18000000000000	0017.2E9C.F89D7E	200000000000-77777.SSID-QOOO111111.PASS2222	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	mHq5fF.SSID-eeTgaQRyL.MJBDtA		Succeeded
5			15000000000002	0074.9192.2bd47E	20000000000022.SSID-QAZWSXsx1234444.qazws	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34			Offline
6	10000-1	3000	15000000000001	300d.9ee8.71ea7E	20000000000022.SSID-QAZWSXsx1234444.qazws	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	SSID-EDCRFVsx1234444.hhhhhh		Failed
7	50000000000002	102	15000000000003		200000000000(-77777.SSID-QOOO111111.PASS2222	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	SSID-nFLnA	d5DTmanq	Never online
8			15000000000002	c0b8.e67e.d6797E	20000000000022.SSID-QAZWSXsx1234444.qazws	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	2021 02/16 15:34	SSID-trarYM	h4aTQf35	Succeeded

7.1.2.3 Device View

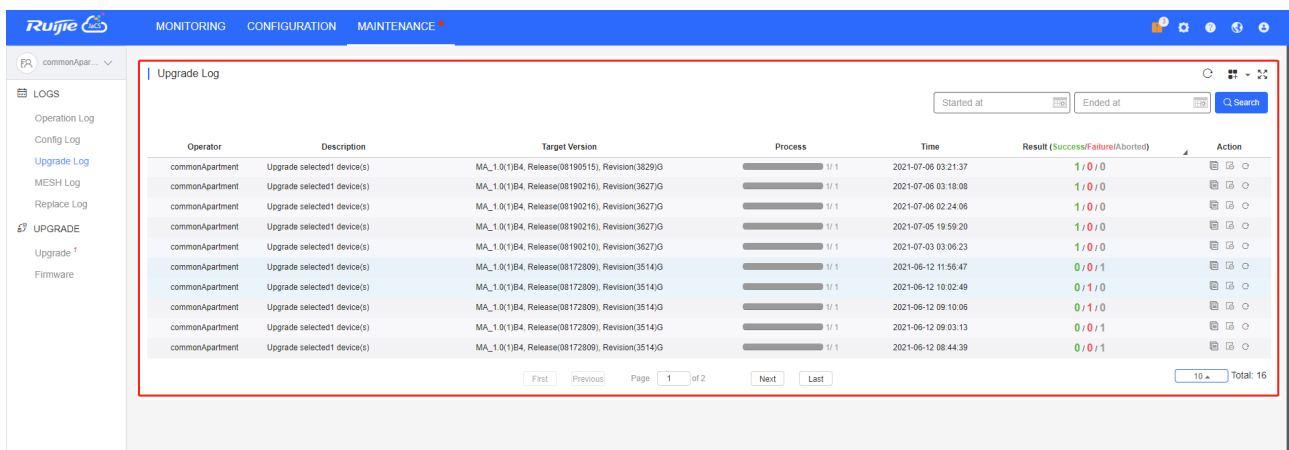
Click  in the **Action** column to check the push status of each configuration item.

The following figure shows an example of full configuration, including the configuration execution status of SSID, Radio and so on.




7.1.3 Upgrade Log

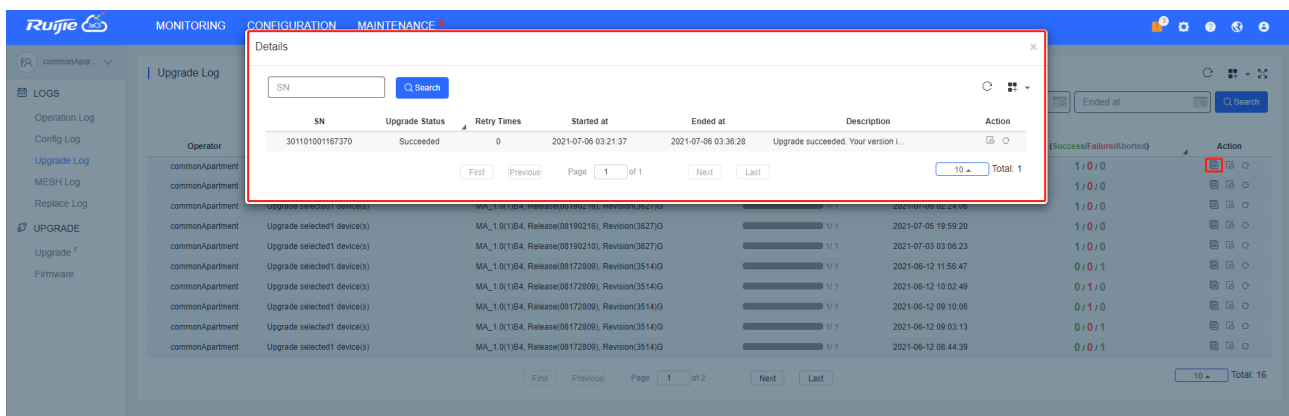
This part provides the upgrade tracing function. You can check the upgrade status, and abort or retry the upgrade.



Retry: Restarts the upgrade task that failed or was aborted.

Abort: Stops the upgrade task if the upgrade command has not been pushed.

Click  to check log details.



Retry: Restart the upgrade task.



Abort: Stop the upgrade task.



Abort: You cannot stop the upgrade task if the upgrade command has been pushed to the AP.



Retry: You can only restart the failed or aborted upgrade task.

7.1.4 Mesh Log

The page displays the Mesh logs.

Operation Type	MAC	MESH Network	Created Time	Content
Device online	0011.2233.4455	ZL01234567890	2021-12-28 20:04:30	デバイス [SN:SN2012070916 モデル:RG-MA2810] がメッシュ ネットワークでオンラインになる
Device online	c470.ab7b.de73	mesh-2	2021-12-26 17:37:15	The device [SN:G10D4PW040794 Model:RG-MA2810-PE] goes online in the mesh network
Device online	ecb9.706e.0d19	mesh-2	2021-12-26 17:37:15	The device [SN:G10P9BQ000732 Model:RG-MA2810-PE] goes online in the mesh network
Device is detected	ecb9.706e.0d19	mesh-2	2021-12-26 17:36:12	The device [SN:G10P9BQ000732 Model:RG-MA2810-PE] is discovered in the mesh network
Network is disconnected	0011.2233.4455	ZL01234567890	2021-12-24 11:44:37	The device [SN:SN2012070916 Model:RG-MA2810] is disconnected in the mesh network
Network is disconnected	c0b6.e654.0311	ZL01234567890	2021-12-24 11:44:37	The device [SN:ZL01234567890 Model:RG-MA2810] is disconnected in the mesh network
Device online	c0b6.e654.0311	ZL01234567890	2021-12-24 11:34:38	The device [SN:ZL01234567890 Model:RG-MA2810] goes online in the mesh network
Network is disconnected	c0b6.e654.0311	ZL01234567890	2021-12-24 11:09:36	The device [SN:ZL01234567890 Model:RG-MA2810] is disconnected in the mesh network
Device online	c0b6.e654.0311	ZL01234567890	2021-12-24 10:38:03	The device [SN:ZL01234567890 Model:RG-MA2810] goes online in the mesh network
Network is disconnected	c0b6.e654.0311	SN2012070916	2021-12-14 16:00:02	The device [SN:ZL01234567890 Model:RG-MA2810] is disconnected in the mesh network

7.1.5 Replace Log

The page displays the replacement log of switches.

Replaced Device SN	New Device SN	MAC	Status	Retry Times	Config File	Created Time	Begin Time	End Time	Description	Action
1234942570016	1234942570017	1221.1212.1221	Failed	0		2022-05-05 12:56:42	-	2022-05-12 12:54:00	Device [1234942570016] does not exist.	-
1234942570016	1234942570019	2332.2323.2323	Waiting Online	0		2022-05-05 12:51:47	-	-	Waiting for configuration replacement	

7.1.6 Settings Log

This page displays the information of device-specific configuration, including imported batch number, SN, Status, Network, IP address, Begin Time, End Time, Created Time, Description and Actions.

- Configuration status is displayed in the Status column:
- Processing: The configuration is in progress.
- Failed: The configuration failed to be applied to the device.
- Succeeded: The configuration has been applied to the device.
- Waiting online: The device is waiting to go online.
- The batch number and SN can be used for search.
- You can click in the **Action** column to jump to the Web of the device.

NO.	SN	status	Network	IP	Begin Time	End Time	Created Time	Description	Action
20220930155934	1234942571995	Success	Apartment	dhcp	2022-09-30 14:59:34	2022-09-30 14:59:34	2022-09-30 14:59:34	Success	-
20220928183917	1234942571995	Success	Apartment	-	2022-09-28 17:39:18	2022-09-28 17:39:18	2022-09-28 17:39:18	Success	-
20220928124314	1234942570359	Success	Apartment	172.20.93.30	2022-09-28 13:54:20	2022-09-28 13:54:20	2022-09-28 11:43:15	Success	🔗
20220927143027	1234942571995	Success	Apartment	-	2022-09-28 12:35:52	2022-09-28 12:35:52	2022-09-27 13:30:27	Success	-
20220926113626	1234942570359	Waiting Online	Apartment	172.20.93.30	-	-	2022-09-26 10:36:27	-	🔗
20220926112827	1234942570359	Success	Apartment	172.20.93.30	2022-09-26 10:28:27	2022-09-26 10:28:27	2022-09-26 10:28:27	Success	🔗
20220926112640	1234942570359	Waiting Online	Apartment	172.20.93.30	-	-	2022-09-26 10:26:41	Success	🔗
20220926112545	1234942570359	Success	Apartment	172.20.93.30	2022-09-26 10:25:46	2022-09-26 10:25:46	2022-09-26 10:25:46	Success	🔗
20220923154422	1234942571995	Success	Apartment	-	2022-09-23 14:44:23	2022-09-23 14:44:23	2022-09-23 14:44:23	Success	-
444	123494257035944	Processing	test	172.168.11.5	2022-09-22 10:33:58	2022-09-22 10:33:58	2022-09-22 10:33:58	Success	🔗

7.2 Upgrade

The following tab pages are provided for device firmware management:

- Upgrade
- Firmware

7.2.1 Upgrade

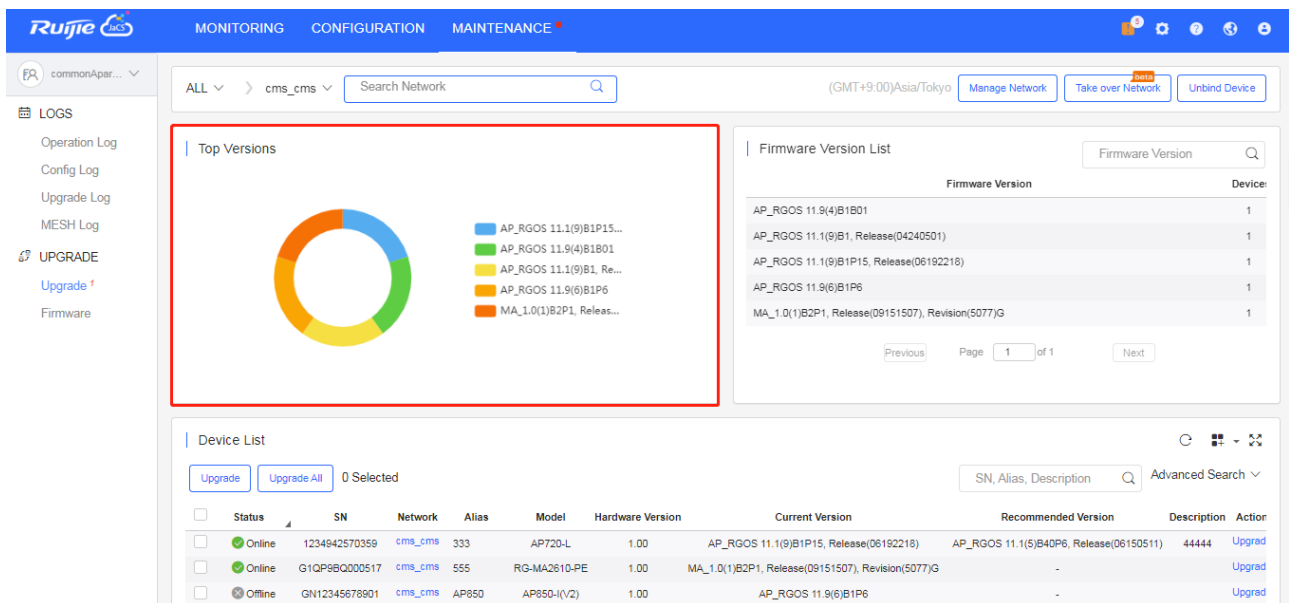
Ruijie JaCS supports the online upgrade of device firmware, and it allows network administrators to utilize the latest features and security enhancement for their Ruijie devices. Online upgrade allows administrators to easily arrange the firmware upgrade on their networks and view firmware releases.

The **Upgrade** page includes two modules:

- Version statistics
- Firmware upgrade
- Device List

7.2.1.1 Check Version Information

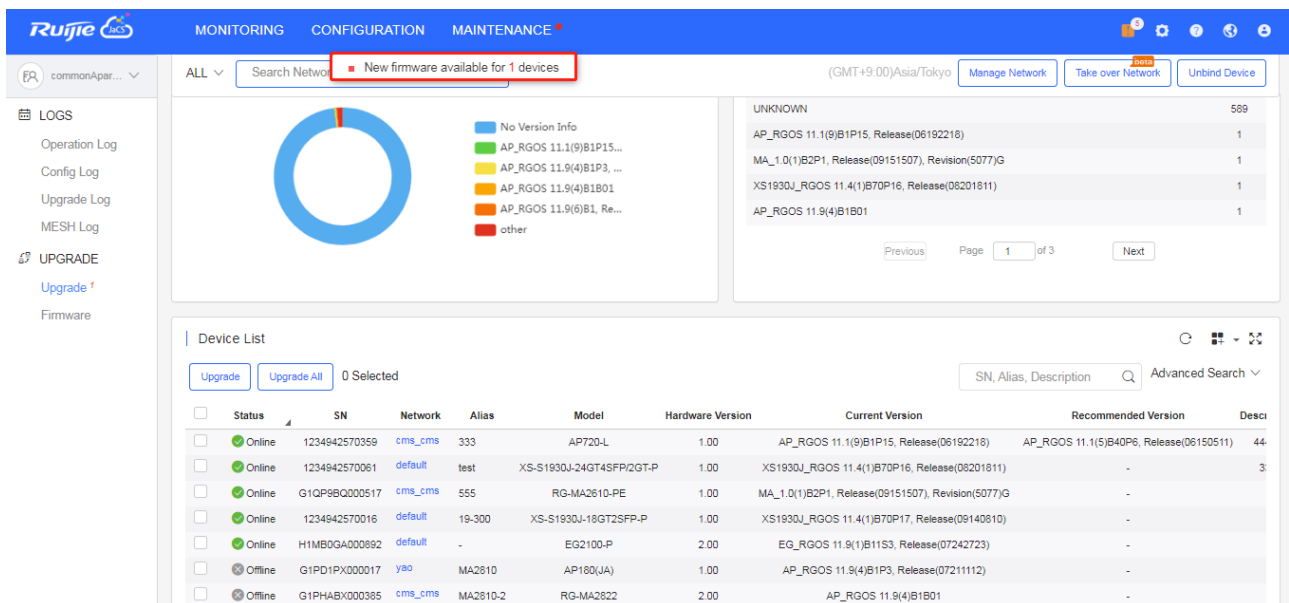
Select **Maintenance > Upgrade** to display the top 5 versions in pie chart form and a list for each network.



7.2.1.2 Upgrade

You can enter the **Upgrade** page in either of the following ways.

Method 1: Hover the mouse over **MAINTENANCE**, a link will appear. Click the link to enter the **Upgrade** page. The default network information is **ALL**.



Method 2: On the **AP List**, **Switch List** or **Gateway List**, click **New firmware** to open **New Firmware List** window. Then click **Go to Upgrade** to enter the **Upgrade** page, and select and upgrade devices via **Search**.

Ruijie Cloud MONITORING CONFIGURATION MAINTENANCE

commonApar... Search Network (GMT+9:00)Asia/Tokyo Manage Network Take over Network Unbind Device

DASHBOARD TOPOLOGY MESH ALARM REPORT DEVICE AP AC Switch Gateway WiFi Router CLIENT

AP List New firmware available for 1 devices

Add Web CLI More 0 Selected SN, Alias, Description

Online Status	SN	Config Status	MAC	Alias	MGMT IP	Egress IP	Clients	Network	Firmware Version
Online	1234942570359	Synchronized	0624.4862.0371	333	192.168.21.246	192.168.21.246	-	cms_cms	AP_RGOS 11.1(9)B1P15, Release(06192218)
Online	G1QP9BQ000517	Synchronized	ecb9.706e.0c95	555	192.168.188.179	192.168.21.254	-	cms_cms	MA_1.0(1)B2P1, Release(09151507), Revision(5077)G
Offline	G1MQ1C501802B	Not Synchronized	0074.9ca7.5252	AP730TR	172.30.92.97	218.85.80.138	-	cms_cms	AP_RGOS 11.1(9)B1, Release(04240501)
Offline	G1PD1PX000017	Not Synchronized	300d.9ec5.1b6b	MA2810	172.18.23.198	218.106.154.153	-	yao	AP_RGOS 11.9(4)B1P3, Release(07211112)
Offline	G1PHABX000385	Not Synchronized	c0b8.e654.f716	MA2810-2	192.168.2.1	58.22.30.3	-	cms_cms	AP_RGOS 11.9(4)B1D1, Release(06150511)
Offline	GN12345678901	Not Synchronized	0082.0019.9120	AP850	3.3.5.4	58.22.30.3	-	cms_cms	AP_RGOS 11.9(6)B1P6
Not Online Yet	1000000014541	Not Synchronized		你好呀			-	jok-apartment2	
Not Online Yet	123123	Not Synchronized		こと無し			-	testAc1	
Not Online Yet	123123123123	Not Synchronized		212			-	jok_jp_test	
Not Online Yet	12312312312312	Not Synchronized		Empty			-	AC221	

First Previous Page 1 of 26 Next Last 10 Total: 257

Ruijie Cloud MONITORING CONFIGURATION MAINTENANCE

commonApar... Search Network (GMT+9:00)Asia/Tokyo Manage Network Take over Network Unbind Device

DASHBOARD TOPOLOGY MESH ALARM REPORT DEVICE AP AC Switch Gateway WiFi Router CLIENT

New Firmware List

Model	Current Version	Hardware Version	Devices	Recommended Version	Action
AP720-L	AP_RGOS 11.1(9)B1P15, Release(06192218)	1.00	1	AP_RGOS 11.1(5)B40P6, Release(06150511)	Go To Upgrade

First Previous Page 1 of 1 Next Last 10 Total: 1

Ruijie Cloud MONITORING CONFIGURATION MAINTENANCE

commonApar... Search Network (GMT+9:00)Asia/Tokyo Manage Network Take over Network Unbind Device

DASHBOARD TOPOLOGY MESH ALARM REPORT DEVICE AP AC Switch Gateway WiFi Router CLIENT

LOGS Operation Log Config Log Upgrade Log MESH Log

UPGRADE Upgrade Firmware

Device List

Upgrade Upgrade All 0 Selected SN, Alias, Description Advanced Search

Key SN, Alias, Description Model AP720-L Current Version AP_RGOS 11.1(9)B1P1 Reset Search

Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Action
Online	1234942570359	cms_cms	333	AP720-L	1.00	AP_RGOS 11.1(9)B1P15, Release(06192218)	AP_RGOS 11.1(5)B40P6, Release(06150511)	44444	Up

First Previous Page 1 of 1 Next Last 10 Total: 1

7.2.1.3 Upgrade Devices

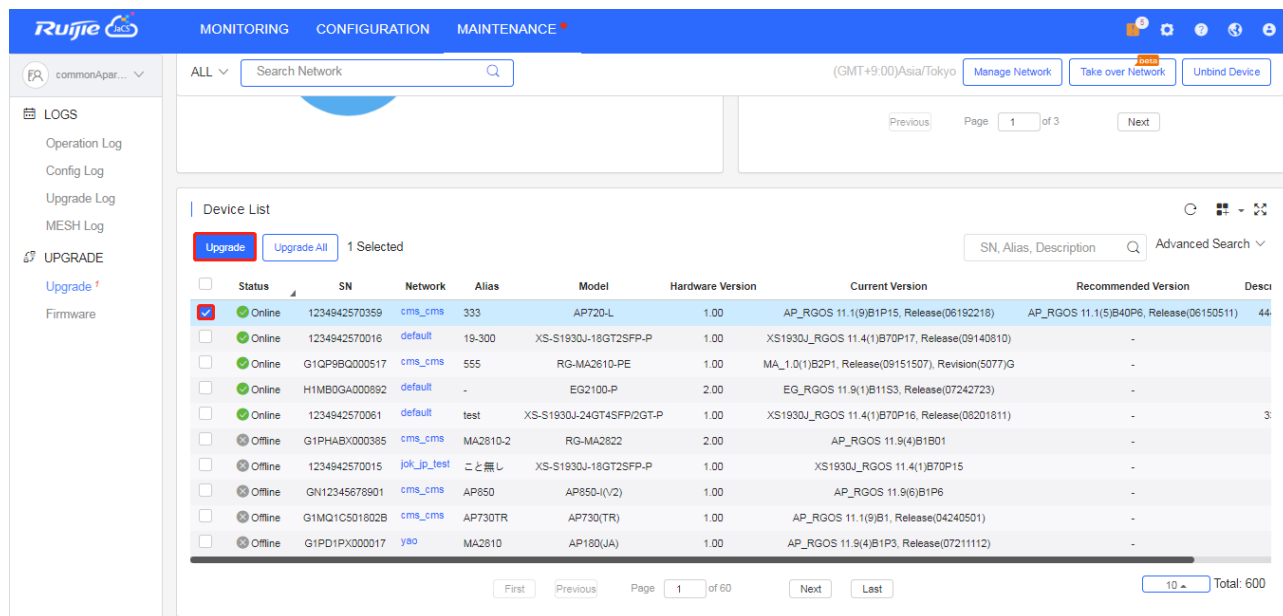
For convenience, two upgrade modes are provided:

Upgrade Selected: This mode enables you to upgrade a selected AP, and is suitable for a scenario with a few APs to be upgraded.

Upgrade All: Selects all the devices in the list, and applies to the status when multiple devices require upgrading, and implements a quick upgrade with selected networks and version numbers. This mode enables upgrading of all APs in the list, and is suitable for a scenario with a large number of APs. A network or a firmware version number can be specified to perform fast upgrades.

● Upgrade Selected

Step 1: Select a network on the left, select a target AP, and click **Upgrade**.

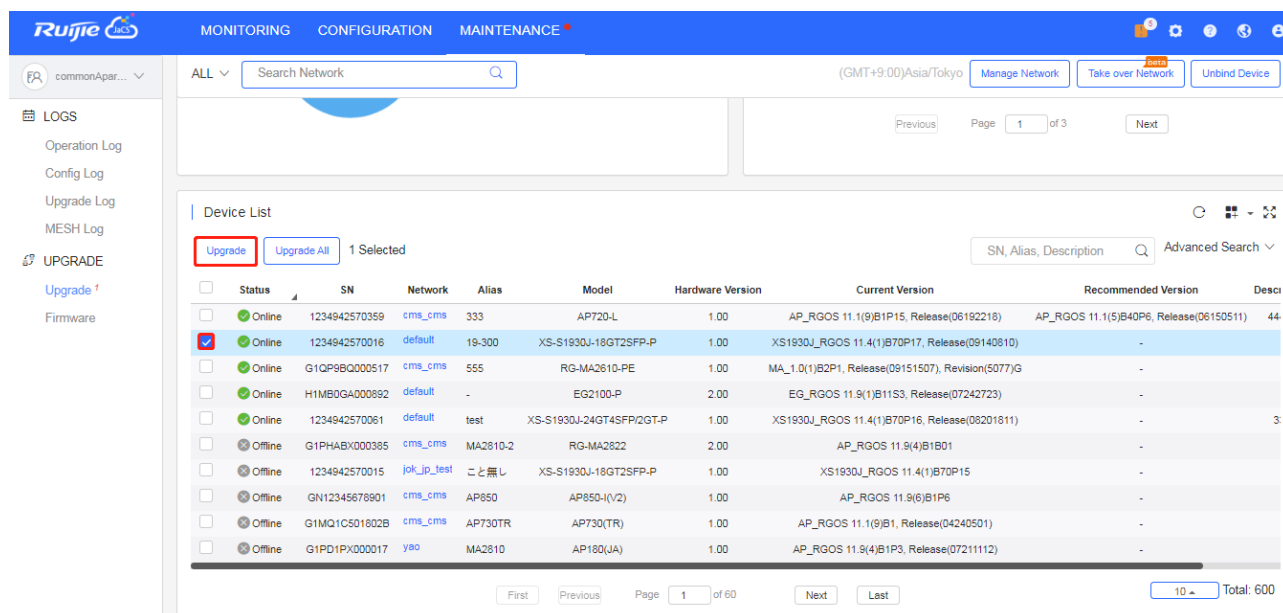


The screenshot shows the Ruijie Cloud Management System interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar shows LOGS, MESH Log, and UPGRADE. The main area displays the Device List table. The 'Upgrade' button is highlighted in the top left of the table. The table lists various devices with their status, SN, Network, Alias, Model, Hardware Version, Current Version, and Recommended Version.

Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Desc
Online	1234942570359	cms_cms	333	AP720-L	1.00	AP_RGOS 11.1(9)B1P15, Release(06192218)	AP_RGOS 11.1(5)B40P6, Release(06150511)	44
Online	1234942570016	default	19-300	XS-S1930J-18GT2SFP-P	1.00	XS1930J_RGOS 11.4(1)B70P17, Release(09140810)	-	
Online	G1QP9BQ000517	cms_cms	555	RG-MA2610-PE	1.00	MA_1.0(1)B2P1, Release(09151507), Revision(5077)G	-	
Online	H1MB0GA000892	default	-	EG2100-P	2.00	EG_RGOS 11.9(1)B11S3, Release(07242723)	-	
Online	1234942570061	default	test	XS-S1930J-24GT4SFP/2GT-P	1.00	XS1930J_RGOS 11.4(1)B70P16, Release(08201811)	-	3
Offline	G1PHABX000385	cms_cms	MA2810-2	RG-MA2822	2.00	AP_RGOS 11.9(4)B1B01	-	
Offline	1234942570015	jok_ip_test	こと無し	XS-S1930J-18GT2SFP-P	1.00	XS1930J_RGOS 11.4(1)B70P15	-	
Offline	GN12345678901	cms_cms	AP850	AP850-I(V2)	1.00	AP_RGOS 11.9(6)B1P6	-	
Offline	G1MQ1C501802B	cms_cms	AP730TR	AP730(TR)	1.00	AP_RGOS 11.1(9)B1, Release(04240501)	-	
Offline	G1PD1PX000017	yao	MA2810	AP180(JA)	1.00	AP_RGOS 11.9(4)B1P3, Release(07211112)	-	

Step 2: Select a firmware version.

On the **Equipment Upgrade** page, you can check the device information and the details of versions, choose a version (the recommended version is the latest one), enable scheduled upgrade and set retry times if the upgrade fails.



The screenshot shows the Ruijie Cloud Management System interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar shows LOGS, MESH Log, and UPGRADE. The main area displays the Device List table. The 'Upgrade' button is highlighted in the top left of the table. The table lists various devices with their status, SN, Network, Alias, Model, Hardware Version, Current Version, and Recommended Version.

Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Desc
Online	1234942570359	cms_cms	333	AP720-L	1.00	AP_RGOS 11.1(9)B1P15, Release(06192218)	AP_RGOS 11.1(5)B40P6, Release(06150511)	44
Online	1234942570016	default	19-300	XS-S1930J-18GT2SFP-P	1.00	XS1930J_RGOS 11.4(1)B70P17, Release(09140810)	-	
Online	G1QP9BQ000517	cms_cms	555	RG-MA2610-PE	1.00	MA_1.0(1)B2P1, Release(09151507), Revision(5077)G	-	
Online	H1MB0GA000892	default	-	EG2100-P	2.00	EG_RGOS 11.9(1)B11S3, Release(07242723)	-	
Online	1234942570061	default	test	XS-S1930J-24GT4SFP/2GT-P	1.00	XS1930J_RGOS 11.4(1)B70P16, Release(08201811)	-	3
Offline	G1PHABX000385	cms_cms	MA2810-2	RG-MA2822	2.00	AP_RGOS 11.9(4)B1B01	-	
Offline	1234942570015	jok_ip_test	こと無し	XS-S1930J-18GT2SFP-P	1.00	XS1930J_RGOS 11.4(1)B70P15	-	
Offline	GN12345678901	cms_cms	AP850	AP850-I(V2)	1.00	AP_RGOS 11.9(6)B1P6	-	
Offline	G1MQ1C501802B	cms_cms	AP730TR	AP730(TR)	1.00	AP_RGOS 11.1(9)B1, Release(04240501)	-	
Offline	G1PD1PX000017	yao	MA2810	AP180(JA)	1.00	AP_RGOS 11.9(4)B1P3, Release(07211112)	-	

Step 3: Upgrade the selected APs

● Upgrade All

Step 1: Check the devices list based on a condition, and click **Upgrade All**.

Ruijie MONITORING CONFIGURATION MAINTENANCE

ALL Search Network (GMT+9:00)Asia/Tokyo Manage Network Take over Network Unbind Device

LOGS
Operation Log
Config Log
Upgrade Log
MESH Log

UPGRADE
Upgrade
Firmware

Device List

Upgrade Upgrade All 0 Selected SN, Alias, Description Advanced Search

	Status	SN	Network	Alias	Model	Hardware Version	Current Version	Rt
<input type="checkbox"/>	Online	1234942570079	JAPAN_V1.4.1_APART_DISABLE_SUB1 / JAPAN_V...	19-6831	XS-S1930J-48GT4SFP	1.00	XS1930J_RGOS 11.4(1)B70P16, Release(08231211)	
<input type="checkbox"/>	Offline	1234942570020	default	-	S2910-24GT4SFP-UP-H	1.00	S29_RGOS 11.4(1)B55, Release(06192500)	
<input type="checkbox"/>	Offline	CALC16Z099999	JAPAN_APART-BRIDGE_20000000000001_ダダダ...	333-1111	AIR-AP310C	1.00	AP_airos 11.1(9)B1P27, Release(07211720)	
<input type="checkbox"/>	Offline	G1QD4PW035282	MA2810_HOTEL_MAIN	Ruijie	AP180(JP)	1.00	AP_RGOS 11.9(4)B1P3, Release(08190216)	
<input type="checkbox"/>	Offline	301101001167370	MA2810_APART_ROUTER_MAIN		RG-MA2810	1.00	MA_1.0(1)B4, Release(08192714), Revision(3969)G	
<input type="checkbox"/>	Offline	G1QP71M000810	MA2810_APART_ROUTER_MAIN / MA2810_APART...	RG-MA2810-AC	RG-MA2810-AC	1.00	MA_1.0(1)B2P1, Release(08203115), Revision(4266)G	
<input type="checkbox"/>	Offline	1234942570060	JAPAN_V1.4.1_APART_DISABLE_MAIN	1930-8	XS-S1930J-8GT2SFP-P	1.00	XS1930J_RGOS 11.4(1)B70P16, Release(08231211)	
<input type="checkbox"/>	Offline	1234942570074	JAPAN_V1.4.1_APART_DISABLE_MAIN	19-944	XS-S1930J-48GT4SFP	1.00	XS1930J_RGOS 11.4(1)B70P16, Release(08231211)	
<input type="checkbox"/>	Not Online Yet	G1M111K000367	default	-	S1920-24GT4SFP/2GT-P	1.30	S1920_RGOS 11.4(1)B41, Release(05161714)	
<input type="checkbox"/>	Not Online Yet	JAPANAPART02041	JAPAN_APART-BRIDGE_20000000000001_ダダダ...	MA2810				

First Previous Page 1 of 1203 Next Last 10 Total: 12021

Step 2: Select the version and click **Start Upgrade**

Ruijie MONITORING CONFIGURATION MAINTENANCE

Upgrade

Check in Maintenance > Log > Upgrade Log

Model: S1920-24GT4SFP/2GT-P Hardware Version: 1.30 Current Version: S1920_RGOS 11.4(1)B41, Release(05161714)

Upgrade Version: Please select a firmware version. Select Firmware

Upgrade Device: 1

Model: S2910-24GT4SFP-UP-H Hardware Version: 1.00 Current Version: S29_RGOS 11.4(1)B55, Release(06192500)

Upgrade Version: Please select a firmware version. Select Firmware

Upgrade Device: 1

Model: XS-S1930J-48GT4SFP Hardware Version: 1.00 Current Version: XS1930J_RGOS 11.4(1)B70P16, Release(08231211)

Upgrade Version: Please select a firmware version. Select Firmware

Upgrade Device: 2

Model: XS-S1930J-8GT2SFP-P Hardware Version: 1.00 Current Version: XS1930J_RGOS 11.4(1)B70P16, Release(08231211)

Upgrade Version: Please select a firmware version. Select Firmware

Upgrade Device: 1

Model: AIR-AP310C Hardware Version: 1.00 Current Version: AP_airos 11.1(9)B1P27, Release(07211720)

Upgrade Device: 1

Total: 12021

Set the update criteria and click **Start Upgrade**, and a message box will pop up. Users can check details in **LOGS > Upgrade Log**.

Ruijie HCS MONITORING CONFIGURATION MAINTENANCE

evyltest ALL Search Network (GMT+9:00)Asia/Tokyo Manage Network Take over Network Unbind Device

LOGS

Operation Log

Config Log

Upgrade Log

MESH Log

UPGRADE

Upgrade 1

Firmware

Top Versions

No Version Info

Message

The upgrade task has been created. Please check Upgrade Log for details.

Firmware Version List

Firmware Version

Firmware Version	Count
UNKNOWN	12012
XS1930J_RGOS 11.4(1)B70P16, Release(08231211)	3
B2P1, Release(08203115), Revision(4266)G	1
B4, Release(08192714), Revision(3969)G	1
B2P1, Release(08241714), Revision(4831)G	1

Previous Page 1 of 3 Next

Device List

Upgrade Upgrade All 2 Selected

SN, Alias, Description Advanced Search

Ruijie HCS MONITORING CONFIGURATION MAINTENANCE

evyltest

LOGS

Operation Log

Config Log

Upgrade Log

MESH Log

UPGRADE

Upgrade 1

Firmware

Upgrade Log

Started at Ended at Search

Operator	Description	Target Version	Process	Time	Result (Success/Failure/Aborted)	Action
evyltest	Upgrade selected2 device(s)	XS19_RGOS 11.4(1)B70P16, Release(08231211)	1/2	2022-01-11 11:35:11	1/0/0	
evyltest	Upgrade selected1 device(s)	S19_RGOS 11.4(1)B70P3	1/1	2022-01-11 11:34:24	0/1/0	
evyltest	Upgrade selected1 device(s)	XS19_RGOS 11.4(1)B70P16, Release(08231211)	1/1	2021-11-26 12:30:34	1/0/0	
evyltest	Upgrade selected1 device(s)	XS19_RGOS 11.4(1)B70P16, Release(08231116)	1/1	2021-11-26 12:18:12	1/0/0	
evyltest	Upgrade selected1 device(s)	XS19_RGOS 11.4(1)B70P16, Release(08231211)	1/1	2021-11-26 12:02:26	1/0/0	
evyltest	Upgrade selected1 device(s)	XS19_B48_RGOS 11.4(1)B70P16, Release(08231211)	1/1	2021-11-26 12:02:26	1/0/0	
evyltest	Upgrade selected1 device(s)	XS19_B48_RGOS 11.4(1)B70P16, Release(08231116)	1/1	2021-11-26 11:38:00	1/0/0	
evyltest	Upgrade selected1 device(s)	XS19_RGOS 11.4(1)B70P16, Release(08231116)	1/1	2021-11-26 11:28:22	1/0/0	
evyltest	Upgrade selected1 device(s)	MA_1.0(1)B2P1, Release(08202518), Revision(4200)G	1/1	2021-08-26 17:32:27	1/0/0	
evyltest	Upgrade selected1 device(s)	MA_1.0(1)B2P1, Release(08202518), Revision(4200)G	1/1	2021-08-26 17:28:50	1/0/0	

First Previous Page 1 of 6 Next Last

10 Total: 52

If the upgrade is successful, log will show **Upgrade succeeded**.

Ruijie HCS MONITORING CONFIGURATION MAINTENANCE

evyltest

LOGS

Operation Log

Config Log

Upgrade Log

MESH Log

UPGRADE

Upgrade 1

Firmware

Details

SN Search

SN	Upgrade Status	Retry Times	Started at	Ended at	Description	Action
1234942570079	Succeeded	0	2022-01-11 11:35:11	2022-01-11 11:35:12	Your version is the latest version	
1234942570074	Offline	0	-	-	Device is offline	

First Previous Page 1 of 1 Next Last

10 Total: 2

evyltest Upgrade selected1 device(s) XS19_RGOS 11.4(1)B70P16, Release(08231116) 1/1 2021-11-26 12:18:12 1/0/0

evyltest Upgrade selected1 device(s) XS19_RGOS 11.4(1)B70P16, Release(08231211) 1/1 2021-11-26 12:02:26 1/0/0

evyltest Upgrade selected1 device(s) XS19_B48_RGOS 11.4(1)B70P16, Release(08231211) 1/1 2021-11-26 12:02:26 1/0/0

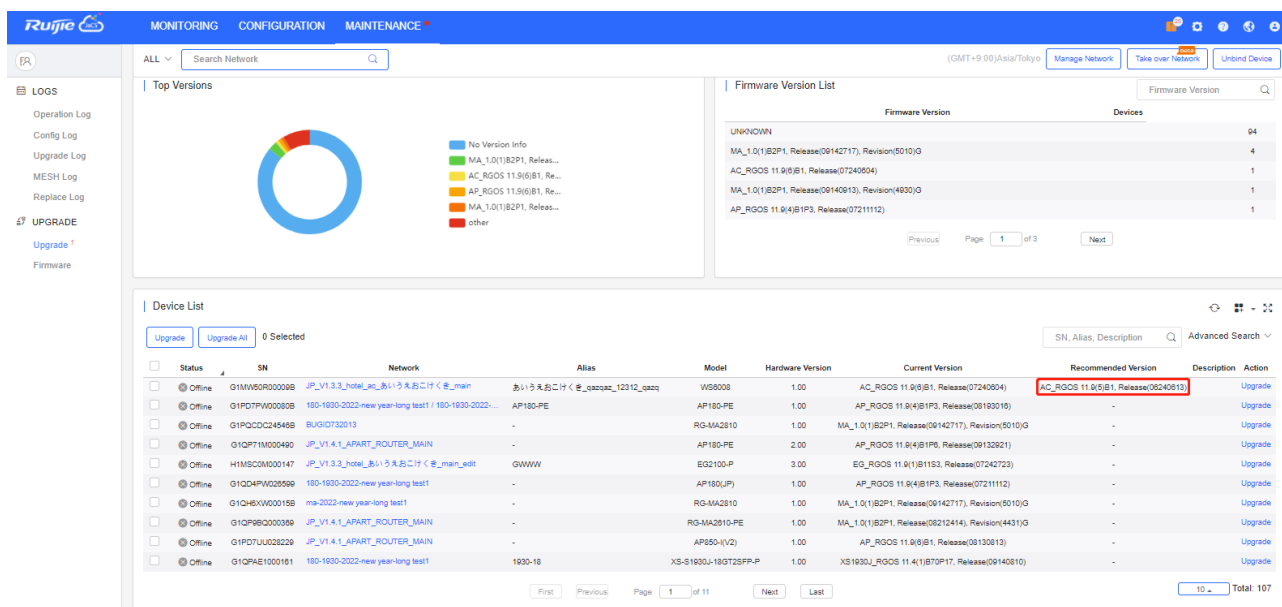
evyltest Upgrade selected1 device(s) XS19_B48_RGOS 11.4(1)B70P16, Release(08231116) 1/1 2021-11-26 11:38:00 1/0/0

evyltest Upgrade selected1 device(s) XS19_RGOS 11.4(1)B70P16, Release(08231116) 1/1 2021-11-26 11:28:22 1/0/0

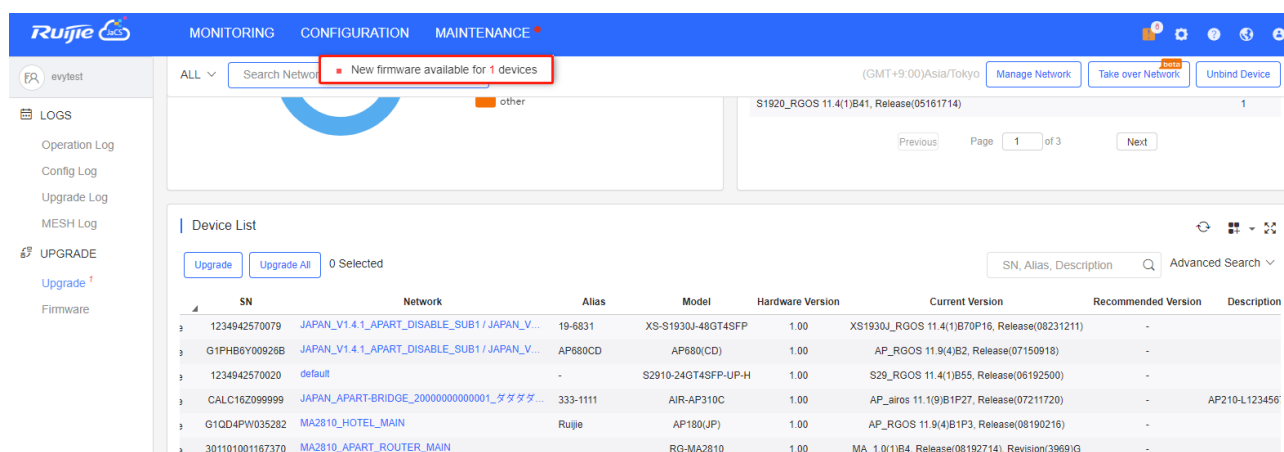
evyltest Upgrade selected1 device(s) MA_1.0(1)B2P1, Release(08202518), Revision(4200)G 1/1 2021-08-26 17:32:27 1/0/0

evyltest Upgrade selected1 device(s) MA_1.0(1)B2P1, Release(08202518), Revision(4200)G 1/1 2021-08-26 17:28:50 1/0/0

Check the results in the **Recommend Version of Device List**.



The numbers of devices which have available firmware for upgrade in **MAINTENANCE** Menu and **Upgrade** in Navigation Bar will change accordingly.



7.2.2

Firmware

7.2.2.1 Version Details

The **Version Details** list displays the versions of firmware installed on all devices. Click **Go To Upgrade** in the **Action** column to open the **MAINTENANCE > UPGRADE > Upgrade** page.

MONITORING CONFIGURATION MAINTENANCE

commonApar...

Version Details

Private Firmware

LOGS

Operation Log

Config Log

Upgrade Log

MESH Log

UPGRADE

Upgrade

Firmware

Model, Current Version, Hardware Version, Devices, Recommended Version, Action

AP720-L	AP_RGOS 11.1(9)B1P15, Release(06192218)	1.00	1	AP_RGOS 11.1(5)B40P6, Release(06150511)	Go To Upgrade
UNKNOWN	UNKNOWN	UNKNOWN	588	-	Go To Upgrade
EQ2100-P	EQ_RGOS 11.9(1)B11S3, Release(07242723)	2.00	1	-	Go To Upgrade
AP730(TR)	AP_RGOS 11.1(9)B1, Release(04240501)	1.00	1	-	Go To Upgrade
AP650-I(V2)	AP_RGOS 11.9(6)B1P6	1.00	1	-	Go To Upgrade
XS-S1930J-18GT2SFP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09140810)	1.00	1	-	Go To Upgrade
S2910-24GT4XS-E	UNKNOWN	UNKNOWN	1	-	Go To Upgrade
XS-S1930J-18GT2SFP-P	XS1930J_RGOS 11.4(1)B70P15	1.00	1	-	Go To Upgrade
RG-MA2610-PE	MA_1.0(1)B2P1, Release(09151507), Revision(5077)G	1.00	1	-	Go To Upgrade
AP180(JA)	AP_RGOS 11.9(4)B1P3, Release(07211112)	1.00	1	-	Go To Upgrade

First

Previous

Page 1 of 2

Next

Last

10

Total: 13

7.2.2.2 Private Firmware

The **Private Firmware** list displays the private firmware uploaded by all accounts under a tenant.

MONITORING CONFIGURATION MAINTENANCE

commonApar...

Version Details

Private Firmware

LOGS

Operation Log

Config Log

Upgrade Log

MESH Log

UPGRADE

Upgrade

Firmware

Upload Firmware

Delete

0 Selected

Firmware Version, Applicable

Search

	Firmware Version	File	File Size (MB)	Applicable Model	Uploaded at	Released at
<input type="checkbox"/>	MA_1.0(1)B4, Release(08190515), Revision(3629)G	MA_1.0_1_B4_MA2810_08190515.tar.gz	29.21	RG-MA2822-1.00, RG-MA2810-1.00	2021-07-06 02:10:55	2021-07-06 02:08:17
<input type="checkbox"/>	MA_1.0(1)B4, Release(08190216), Revision(3627)G	MA_1.0_1_B4_MA2810_08190216.tar.gz	29.22	RG-MA2822-1.00, RG-MA2810-1.00	2021-07-03 02:14:16	2021-07-03 02:14:15

First

Previous

Page 1 of 1

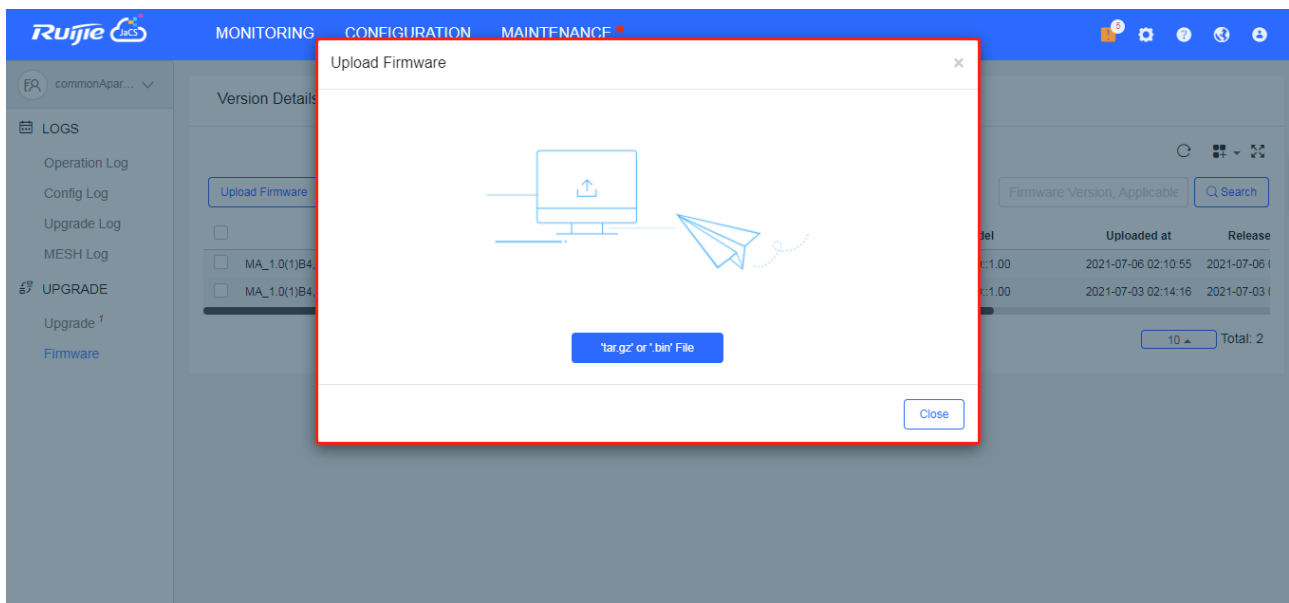
Next

Last

10

Total: 2

Click **Upload Firmware** to upload private firmware.




Upload Firmware

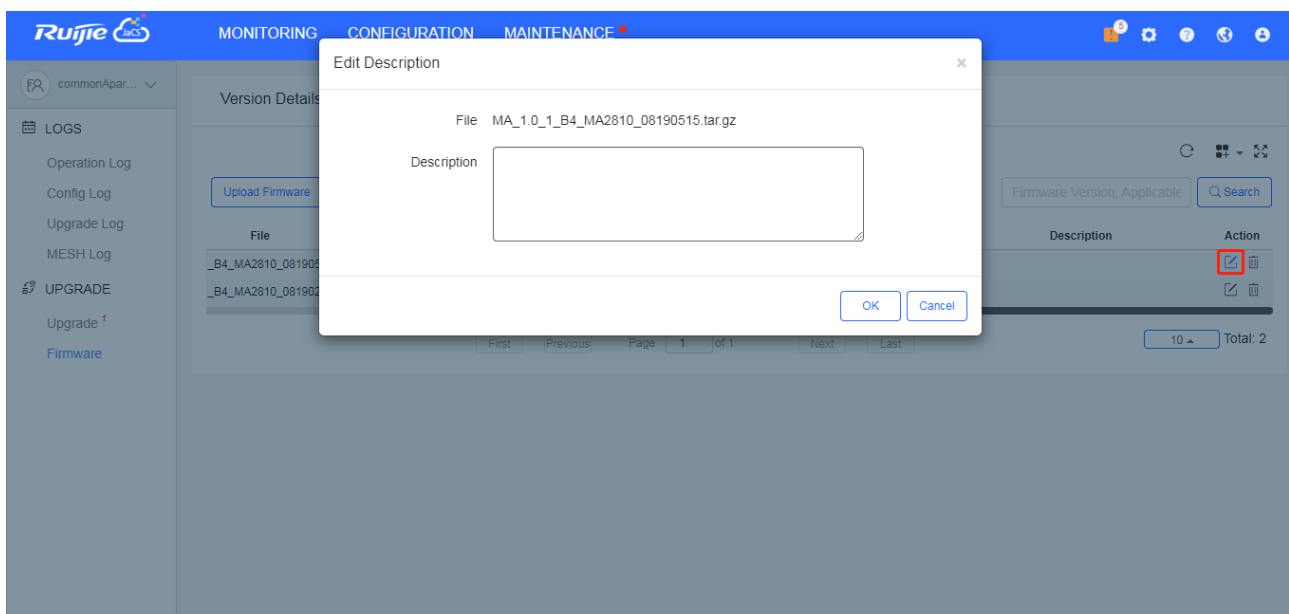
File RG-MACC_UP_RC_1.2.1D_Build_48.tar.gz


Description

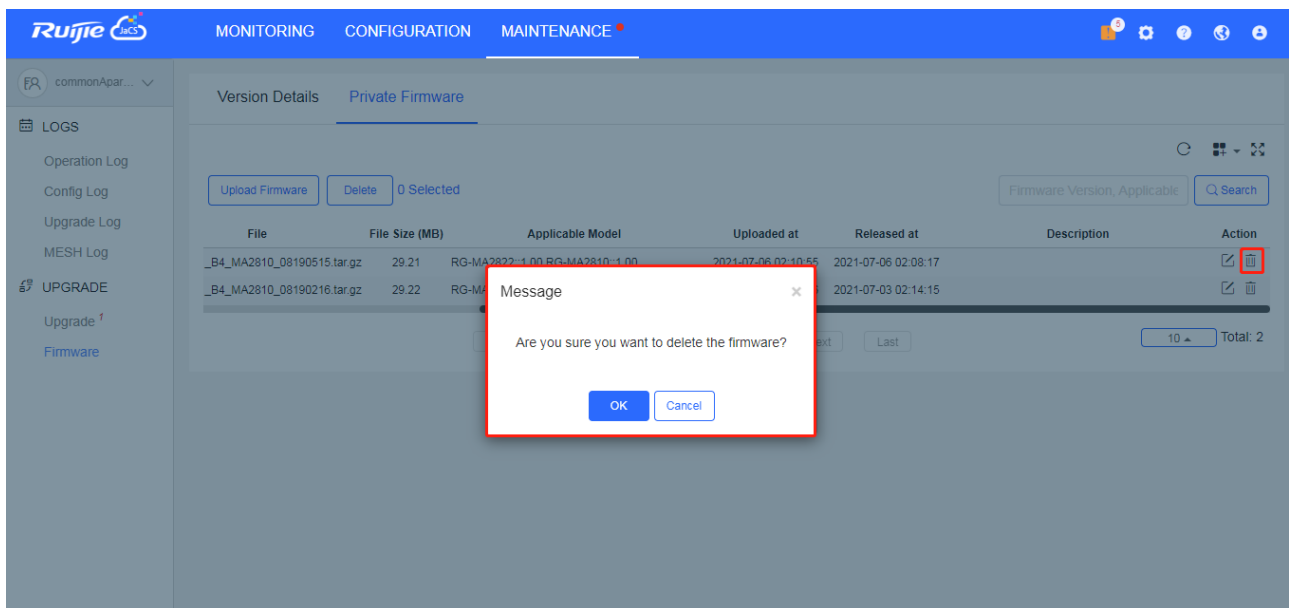
Import

Close

Click  in the **Action** column to edit the **Description** of firmware.




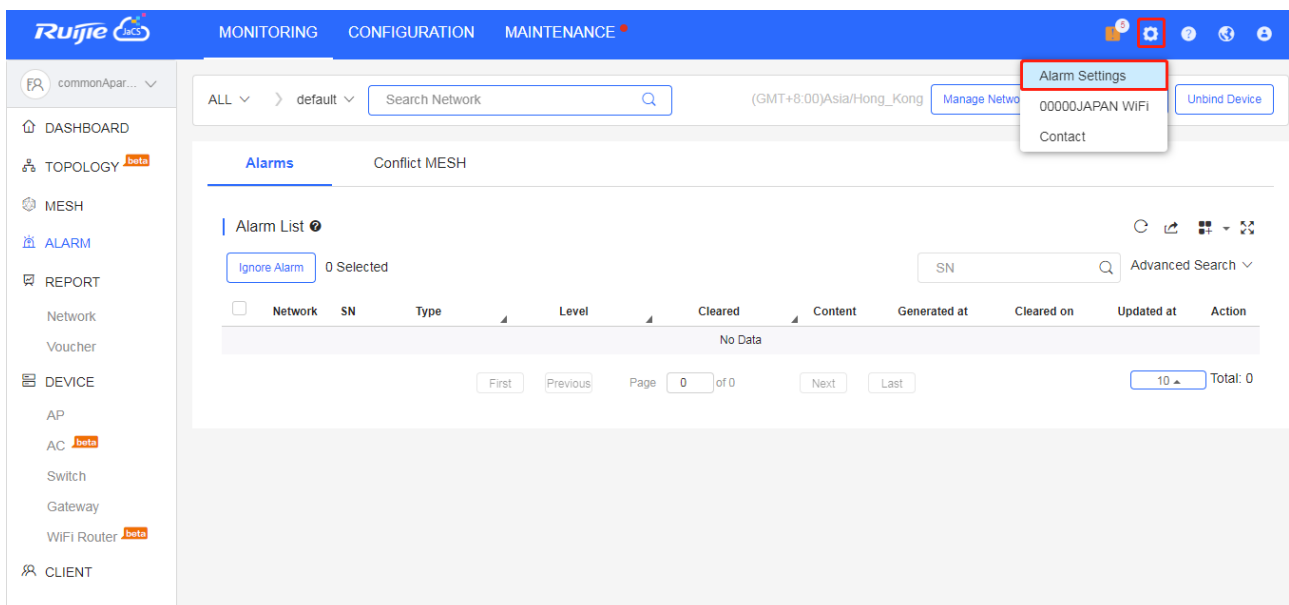
Click **Delete** or  in the **Action** column to delete private firmware.



8 System Settings

8.1 Alarm Settings

Click  in the upper right corner and select **Alarm Settings**. The **Alarm Settings** page is displayed for alarm parameter configuration.



Alarm settings are configured by network. If no alarm settings are configured, the global settings are adopted.

On the **Alarm Settings** page, you can configure to receive alarms or not and in which way. When the **Status** is enabled, alarm information is displayed on the **Alarm** page. Alarms can be pushed via Email only when the **Status** is enabled. When the **Email Alarm** is enabled, alarms will be pushed via Email to the contacts in the **Contact List** of the network.

Ruijie MONITORING CONFIGURATION MAINTENANCE

default Search Network (GMT+8:00)Asia/Hong_Kong Manage Network Take over Network Unbind Device

Alarm Settings

Type	Status	Alarm Threshold	Email Alarm
Device goes offline	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>
Device goes online and offline continually	<input checked="" type="checkbox"/>	>20 %	<input type="checkbox"/>
All devices are offline	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>
High channel usage on AP	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>
System usage(CPU/memory usage) above threshold	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Switch loopback detected (RLDP)	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>
interface updown rate above threshold.	<input type="checkbox"/>	-	<input type="checkbox"/>
Abnormal network access on gateway	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>
High packet loss rate on gateway	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>
Uplink rate above threshold on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Downlink rate above threshold on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>

Contact Group List

Group	Description	Action
222	12	

First Previous Page 1 of 1 Next Last 10 Total: 1



To use the **Email Alarm** function, click and select **System Settings** to preset the account and password of the SMTP server for sending Emails on the **Advanced** page via the administrator account.

8.2 00000JAPAN WiFi

00000JAPAN WiFi is a free Wi-Fi with no requirement for authentication. In disaster, it can be quickly enabled and deployed to provide Internet access.

00000JAPAN WiFi can be enabled by one click. As long as the layer-1 network is enabled, the devices of this network and its sub networks will be turned on as well. When the layer-1 network is disabled, the devices will be turned off.

Click in the upper right corner, and select **00000JAPAN WiFi** to open the configuration page.

Ruijie MONITORING CONFIGURATION MAINTENANCE


Alarm Settings **00000JAPAN WIFI** Contact

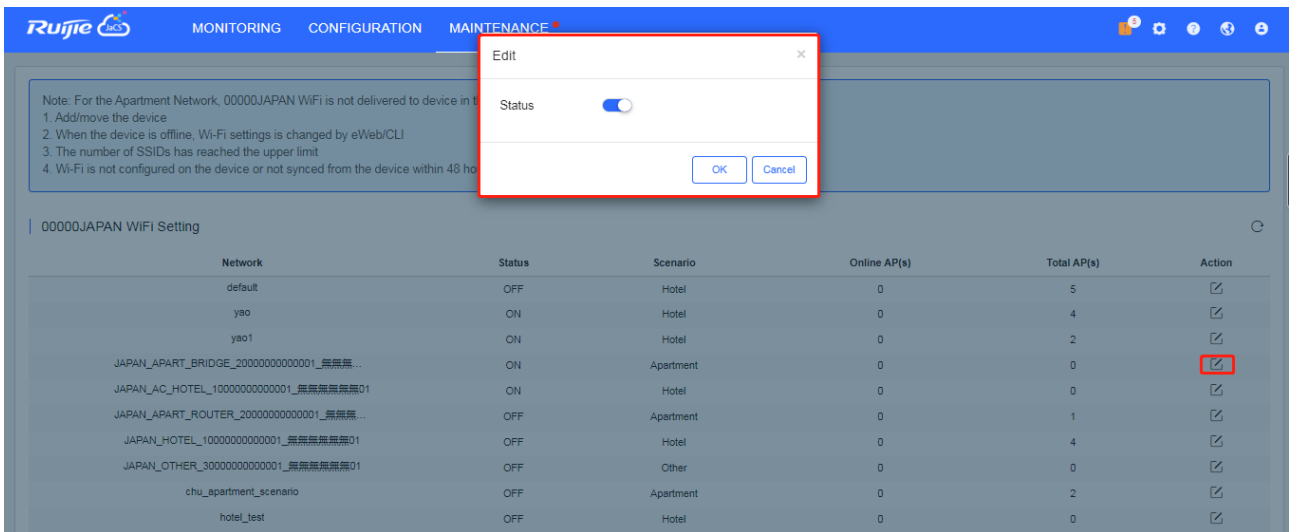
Note: For the Apartment Network, 00000JAPAN WiFi is not delivered to device in the following scenarios:
 1. Add/move the device
 2. When the device is offline, Wi-Fi settings is changed by eWeb/CLI
 3. The number of SSIDs has reached the upper limit
 4. Wi-Fi is not configured on the device or not synced from the device within 48 hours

00000JAPAN WiFi Setting

Network	Status	Scenario	Online AP(s)	Total AP(s)	Action
default	OFF	Hotel	0	5	
yao	ON	Hotel	0	4	
yao1	ON	Hotel	0	2	
JAPAN_APART_BRIDGE_20000000000001_無無無...	ON	Apartment	0	0	
JAPAN_AC_HOTEL_10000000000001_無無無無無01	ON	Hotel	0	0	
JAPAN_APART_ROUTER_20000000000001_無無無...	OFF	Apartment	0	0	
JAPAN_HOTEL_10000000000001_無無無無無01	OFF	Hotel	0	4	
JAPAN_OTHER_30000000000001_無無無無無01	OFF	Other	0	0	
chu_apartment_scenario	OFF	Apartment	0	2	
hotel_test	ON	Hotel	0	0	

First Previous Page 1 of 15 Next Last 10 Total: 147











Click  in the **Action** column to edit the 00000JAPAN WiFi setting.



Note: For the Apartment Network, 00000JAPAN WiFi is not delivered to device in the following cases:

1. Add/move the device
2. When the device is offline, Wi-Fi settings is changed by eWeb/CLI
3. The number of SSIDs has reached the upper limit
4. Wi-Fi is not configured on the device or not synced from the device within 48 hours

00000JAPAN WiFi Setting

Network	Status	Scenario	Online AP(s)	Total AP(s)	Action
default	OFF	Hotel	0	5	
yao	ON	Hotel	0	4	
yao1	ON	Hotel	0	2	
JAPAN_APART_BRIDGE_20000000000001_無無無...	ON	Apartment	0	0	
JAPAN_AC_HOTEL_100000000000001_無無無無無無01	ON	Hotel	0	0	
JAPAN_APART_ROUTER_200000000000001_無無無...	OFF	Apartment	0	1	
JAPAN_HOTEL_100000000000001_無無無無無無01	OFF	Hotel	0	4	
JAPAN_OTHER_300000000000001_無無無無無無01	OFF	Other	0	0	
chu_apartment_scenario	OFF	Apartment	0	2	
hotel_test	OFF	Hotel	0	0	

8.3 Contact

On the **Contact** page, you can create contact groups, and add contacts to contact groups.

8.3.1 Contact List

Add a contact as the Email recipient.

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	

First
Previous
Page 1 of 1
Next
Last

10 Total: 1

Add

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	
test	sdsdsd	

First
Previous
Page 1 of 1
Next
Last

10 Total: 2

Add

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	
test	sdsdsd	

First
Previous
Page 1 of 1
Next
Last

10 Total: 2

Add

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	
test	sdsdsd	

First
Previous
Page 1 of 1
Next
Last

10 Total: 2

Add

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	
test	sdsdsd	

First
Previous
Page 1 of 1
Next
Last

10 Total: 2

Add

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	
test	sdsdsd	

First
Previous
Page 1 of 1
Next
Last

10 Total: 2

Add

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	
test	sdsdsd	

First
Previous
Page 1 of 1
Next
Last

10 Total: 2

Add

MONITORING
CONFIGURATION
MAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	
test	134567174511	longliang@huawei.com.cn	www	

First
Previous
Page 0 of 0
Next
Last

10 Total: 0

Add

Contact Group

Group	Description	Action
222	12	
test	sdsdsd	

First
Previous
Page 1 of 1
Next
Last

10 Total: 2

Add

8.3.2 Contact Group

Add a group and move the contacts to the group.

Ruijie

MONITORINGCONFIGURATIONMAINTENANCE

Contact List

Name	Mobile	Email	Description	Action
22	1212	115279726@qq.com	12	<div></div> <div></div>
test	134567174511	longlijiang@ruijie.com.cn	www	<div></div> <div></div>

First

Previous

Page 0 of 0

Next

Last

10Total: 0

Add

Contact Group

Group	Description	Action
222	12	<div></div> <div></div>
test	sdsdsd	<div></div> <div></div>

First

Previous

Page 1 of 1

Next

Last

10Total: 2

Add

Ruijie

MONITORINGCONFIGURATIONMAINTENANCE

Contact List

Name
22
test

Contact Group

Group	Description	Action
222	12	<div></div> <div></div>
test	sdsdsd	<div></div> <div></div>

Edit Contact Group

Name

222

Description

12

Contact Group

All Contacts

22
test


<< Add to Group

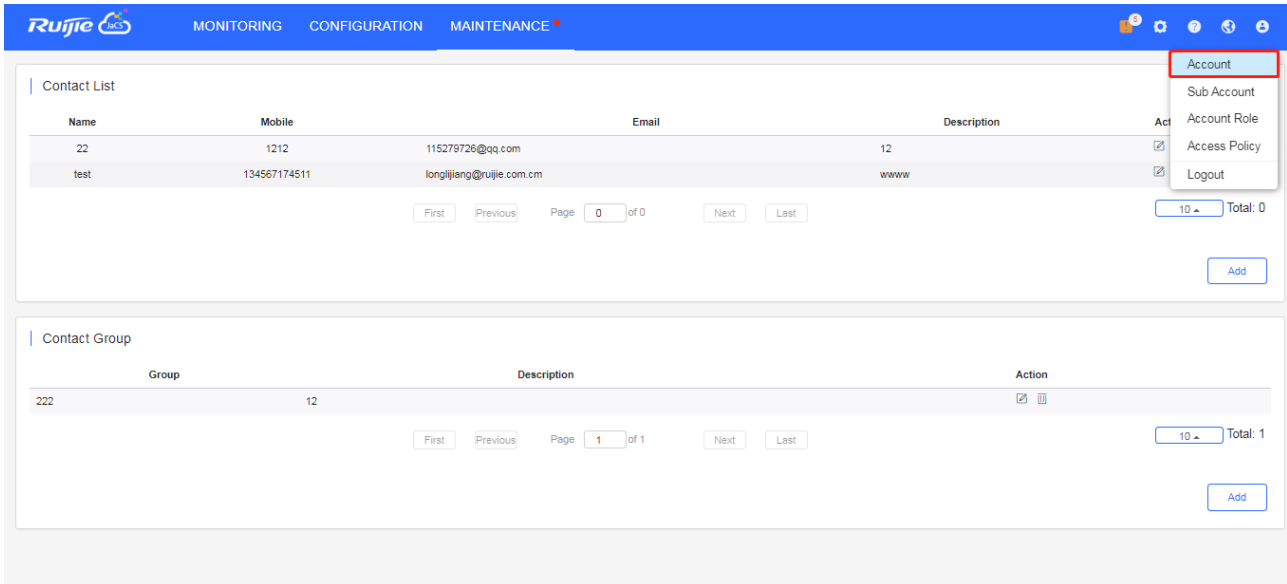
Delete from Group >>

Save

Cancel

9 Account

Point to  on the upper right corner, the **Account** menu is displayed, which includes **Account**, **Sub Account**, **Account Role**, **Access Policy** and **Logout**.



The screenshot shows the Ruijie iCS interface with the **Account** menu open in the top right corner. The menu options are: **Account**, **Sub Account**, **Account Role**, **Access Policy**, and **Logout**. Below the menu, there are two sections: **Contact List** and **Contact Group**.

Contact List

Name	Mobile	Email	Description	Act
22	1212	115279726@qq.com	12	<input checked="" type="checkbox"/>
test	134567174511	longlijang@ruijie.com.cn	www	<input checked="" type="checkbox"/>

Page: 0 of 0. Total: 0. Add button.

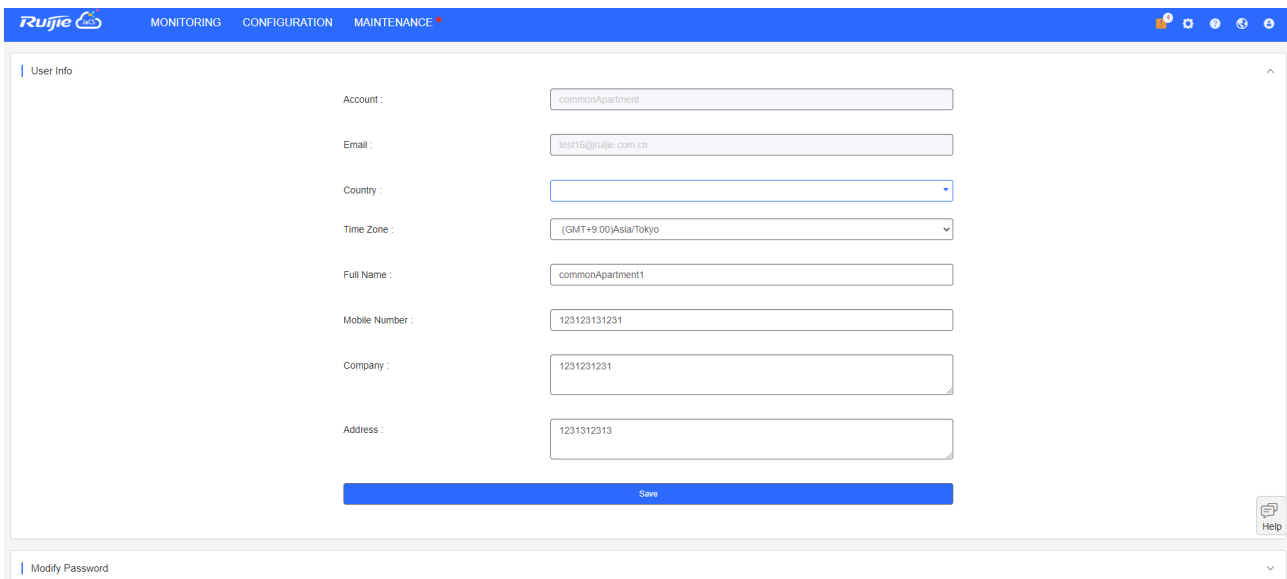
Contact Group

Group	Description	Action
222	12	<input checked="" type="checkbox"/> <input type="checkbox"/>

Page: 1 of 1. Total: 1. Add button.

9.1 Account

The **Account** page is divided into the **User Info** area and **Modify Password** area. In the **User Info** area, you can edit the basic information of user (**Username** and **Email** is not allowed to be changed); In the **Modify Password** area, you can change the login password.





The screenshot shows the Ruijie iCS interface with the **User Info** form. The form fields are:

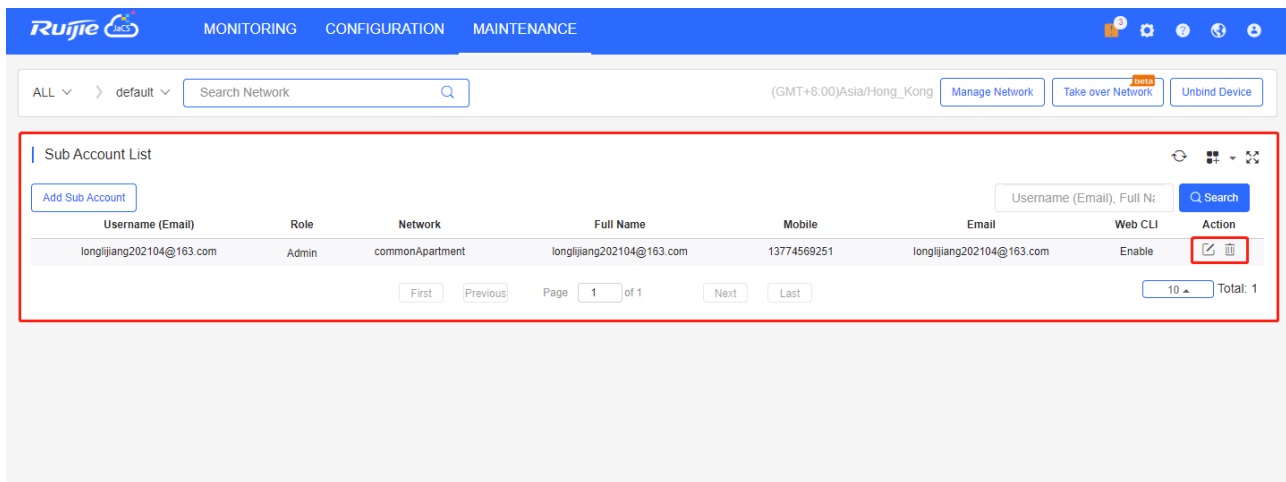
- Account: commonApartment
- Email: test16@ruijie.com.cn
- Country: (dropdown menu)
- Time Zone: (GMT+8:00)Asia/Tokyo
- Full Name: commonApartment1
- Mobile Number: 123123131231
- Company: 1231231231
- Address: 1231312313

Save button.

Modify Password section is visible below.

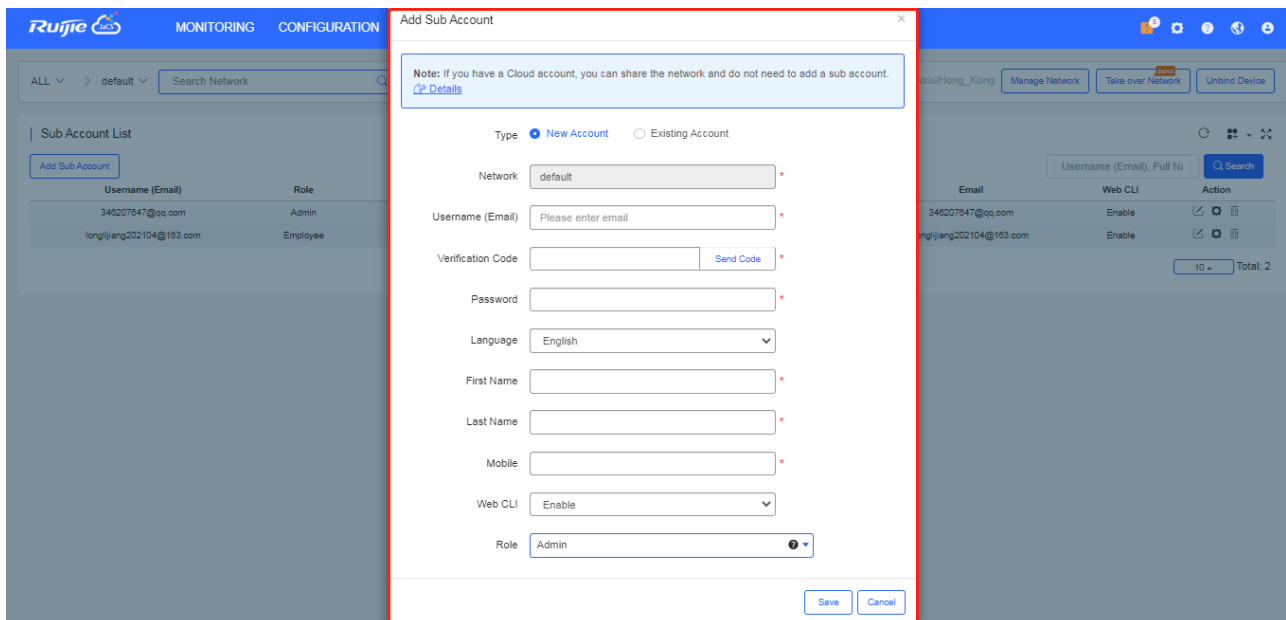
9.2 Sub Account

The **Sub Account List** displays the information of sub accounts. Click  in the **Action** column to edit the sub account. Click  in the **Action** column to delete the sub account.

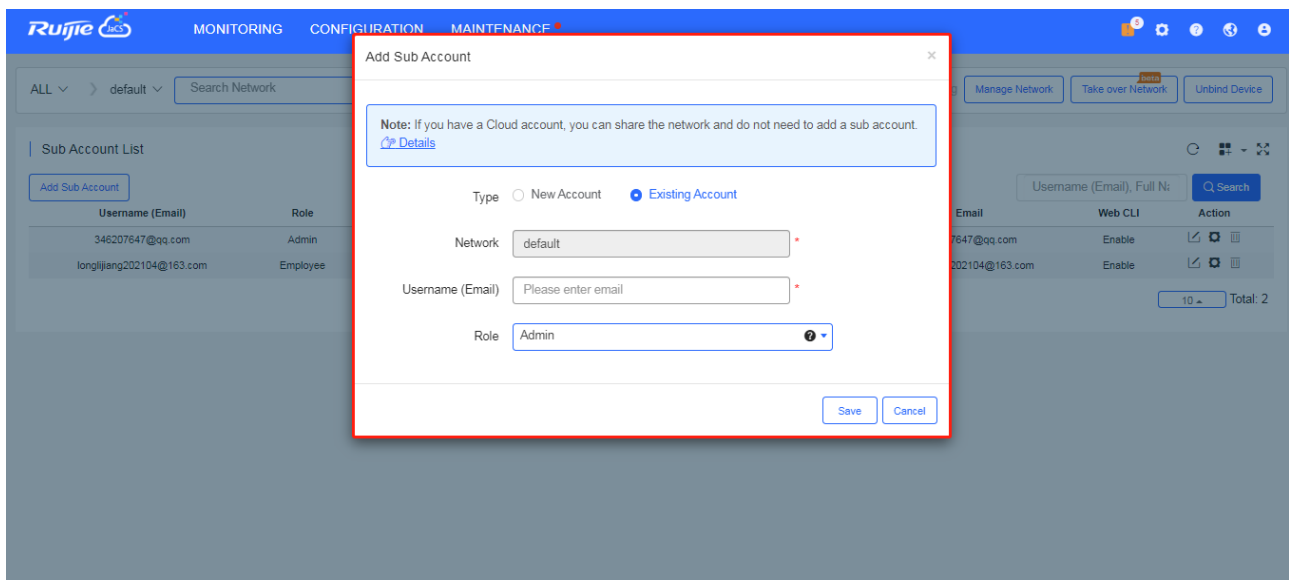


Click **Add Sub Account** to add a new sub account. Select the network, enter the Email in the **Username** box and click **Send Code**. Enter the security code contained in the Email, set the password, language, full name, expiration date, mobile and role, and click **Save**.

Role: **Admin** owns the permissions to create an account. **Employee** owns the permissions to edit data. **Operator** owns the permissions to print voucher and view account data. **Guest** owns the permissions to view data. For the custom role, you can customize its read and write permissions.

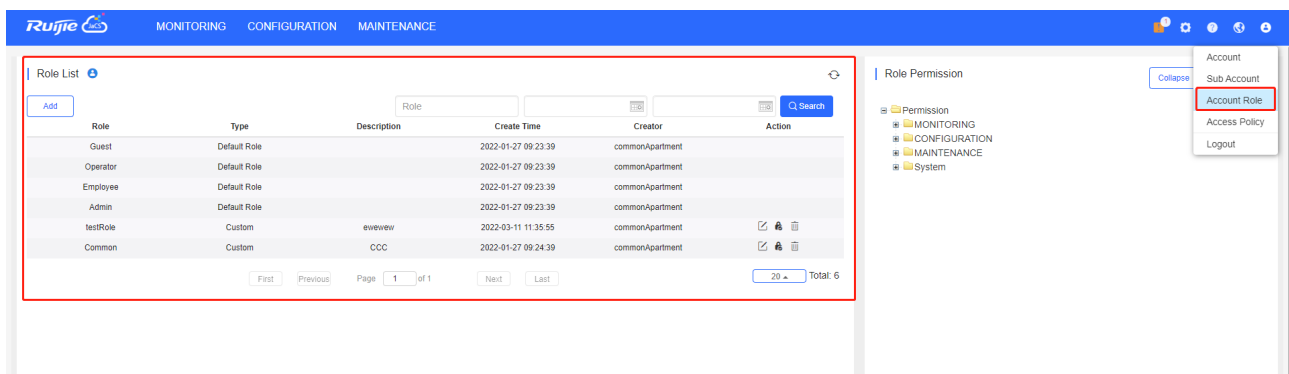


The existing sub account can be added to the network so that a sub account can manage multiple networks.

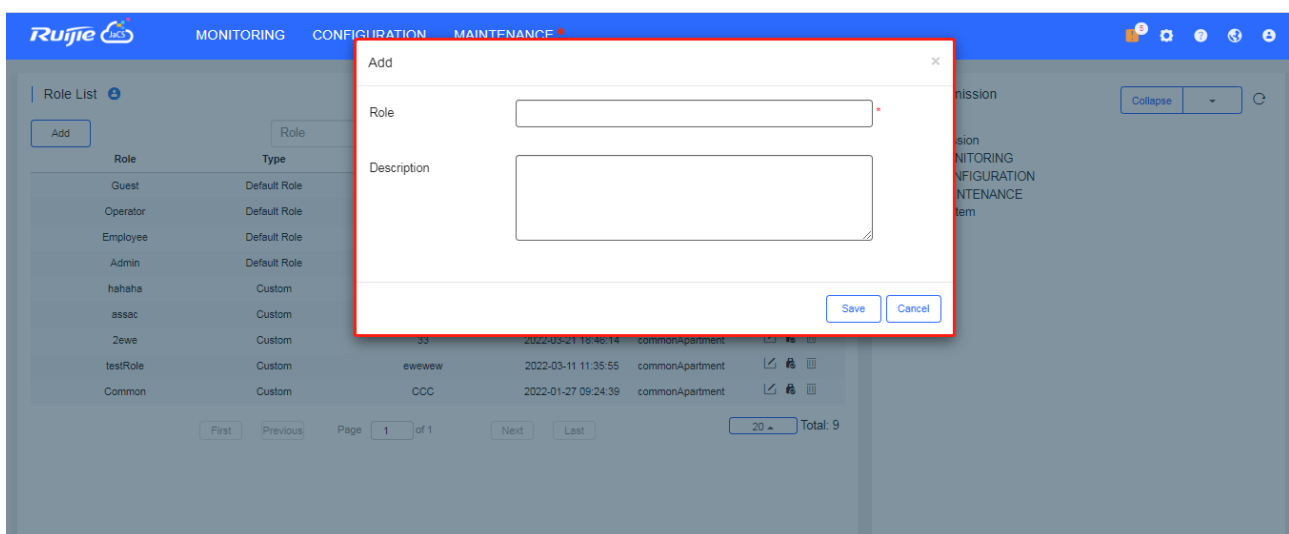


9.3 Account Role

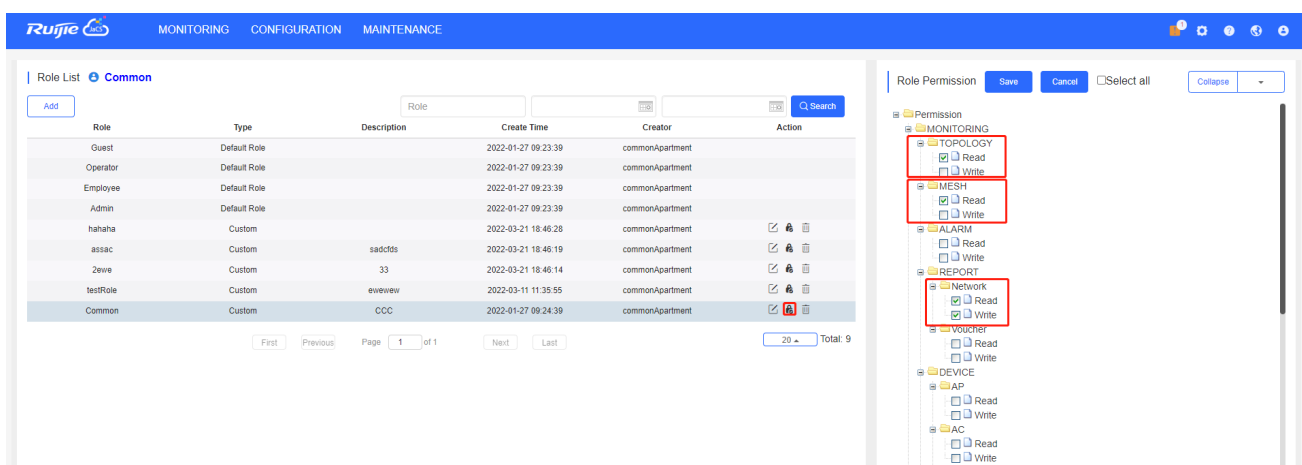
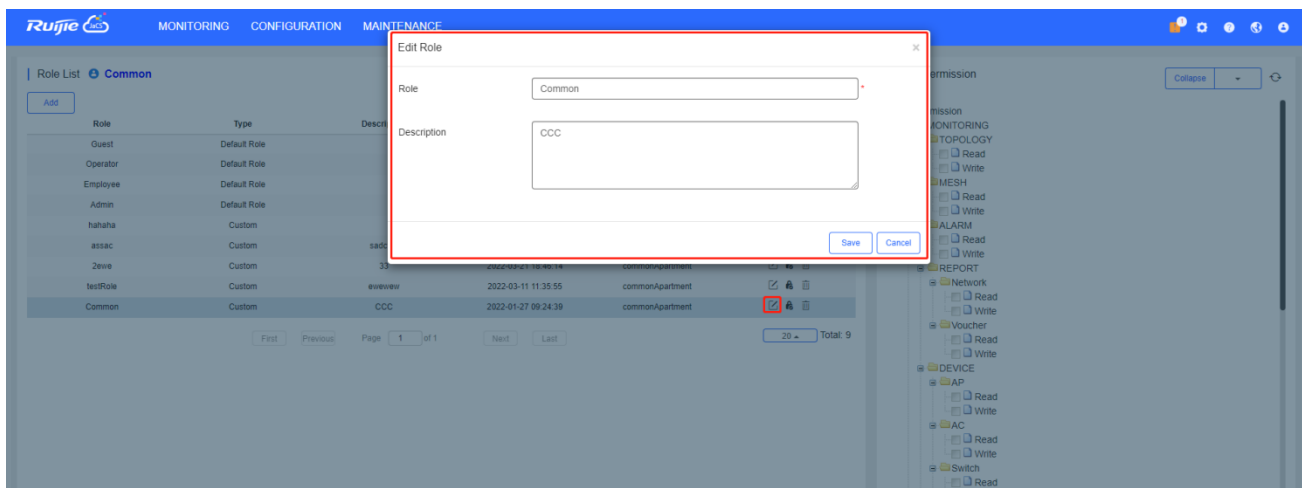
The **Role List** displays all default roles and custom roles of the tenant.



Click **Add** to add a custom role.



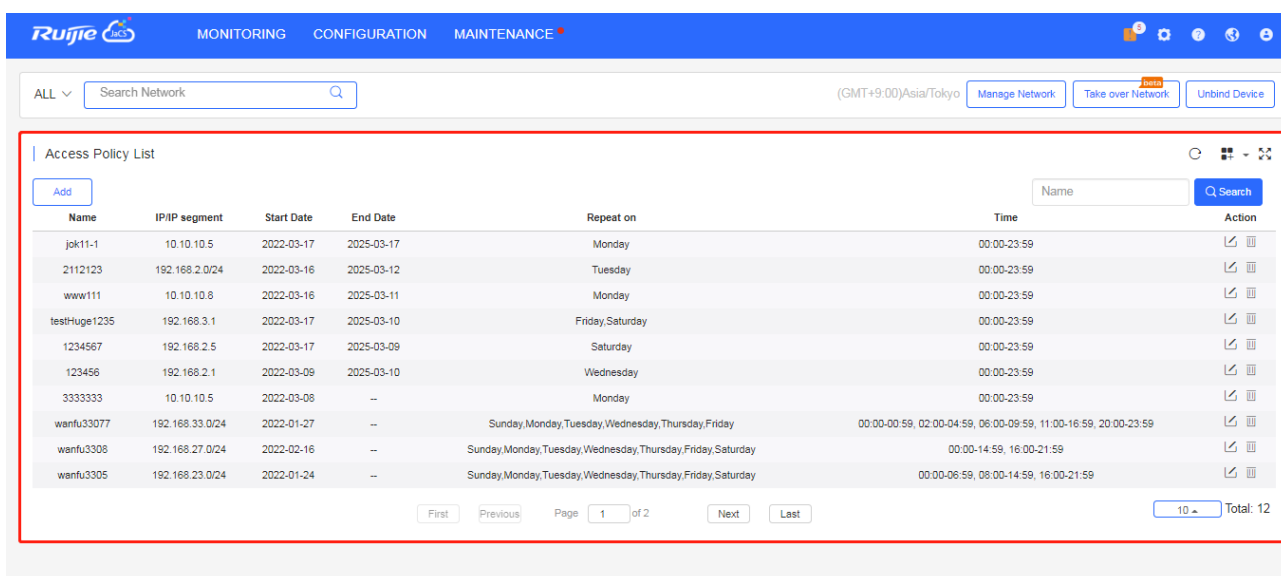
Click  to edit the role; click  to configure the role permissions.



Click  to delete the custom role.

9.4 Access Policy

The **Access Policy List** displays all access policies of the tenant.



Click **Add** to add a new access policy.

Add

Name*

IP/IP segment*

Period* -


Repeat on*

Time* -

[+Add More](#)

[Save](#) [Cancel](#)

Name	IP/IP segment	Start Date
jok11-1	10.10.10.5	2022-03-17
2112123	192.168.2.0/24	2022-03-16
www111	10.10.10.8	2022-03-16
testHuge1235	192.168.3.1	2022-03-17
1234567	192.168.2.5	2022-03-17
123456	192.168.2.1	2022-03-09
3333333	10.10.10.5	2022-03-08
wanfu33077	192.168.33.0/24	2022-01-27
wanfu3308	192.168.27.0/24	2022-02-16
wanfu3305	192.168.23.0/24	2022-01-24

Click  to edit the existing policy.

Edit

Name*

IP/IP segment*

Period* -


Repeat on*

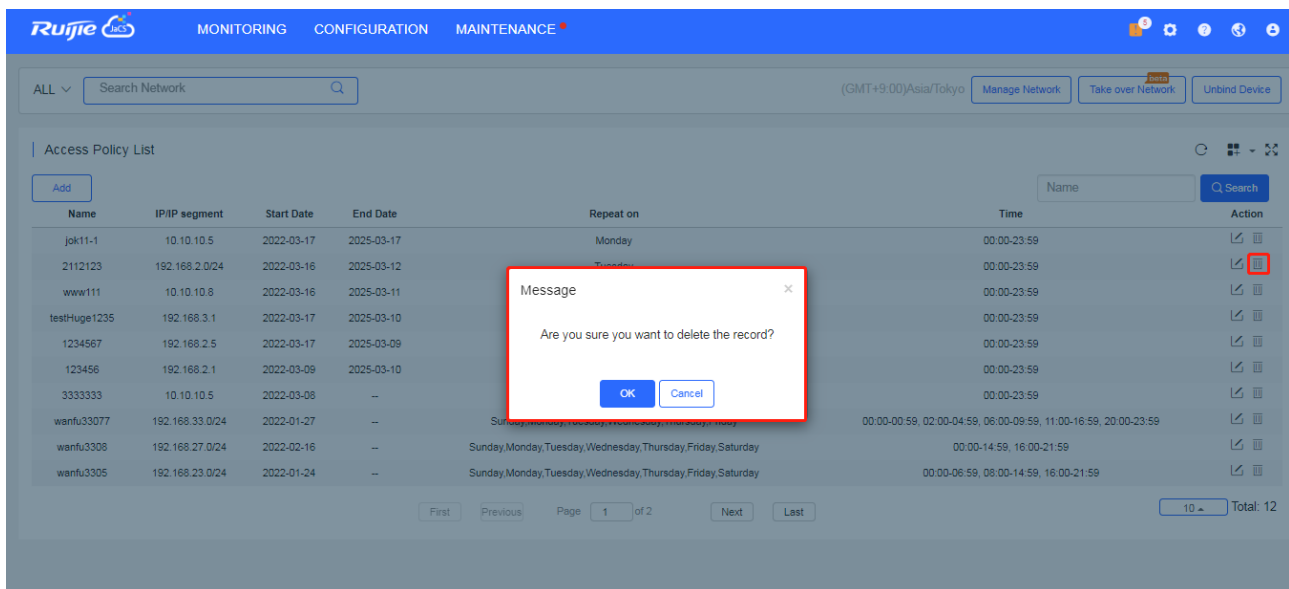
Time* -

[+Add More](#)

[Save](#) [Cancel](#)

Name	IP/IP segment	Start Date
jok11-1	10.10.10.5	2022-03-17
2112123	192.168.2.0/24	2022-03-16
www111	10.10.10.8	2022-03-16
testHuge1235	192.168.3.1	2022-03-17
1234567	192.168.2.5	2022-03-17
123456	192.168.2.1	2022-03-09
3333333	10.10.10.5	2022-03-08
wanfu33077	192.168.33.0/24	2022-01-27
wanfu3308	192.168.27.0/24	2022-02-16
wanfu3305	192.168.23.0/24	2022-01-24

Click  to delete the access policy.

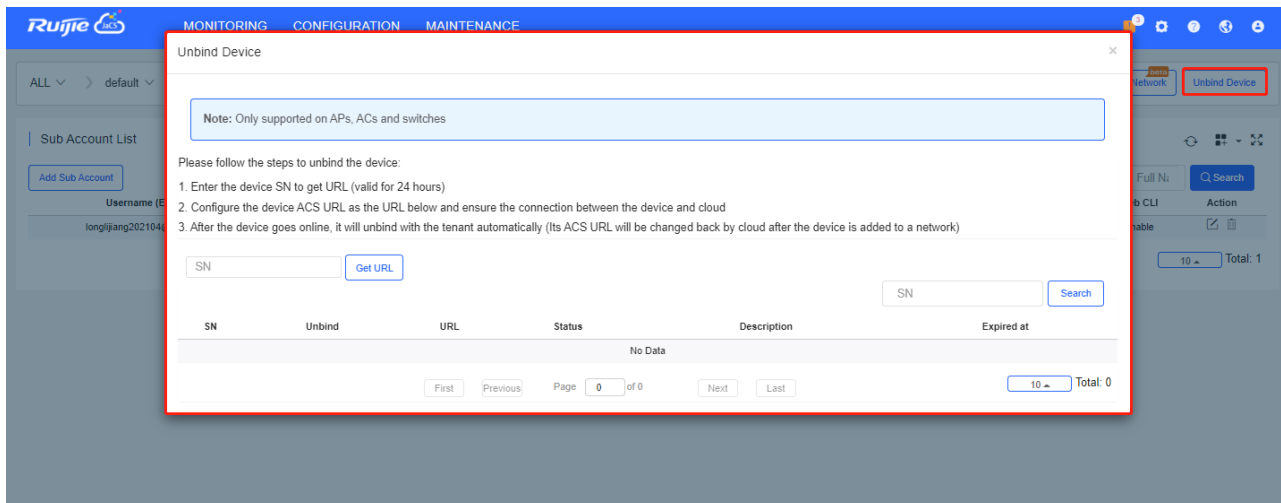


9.5 Logout

Click **Logout** to exit the system and return to the login page.

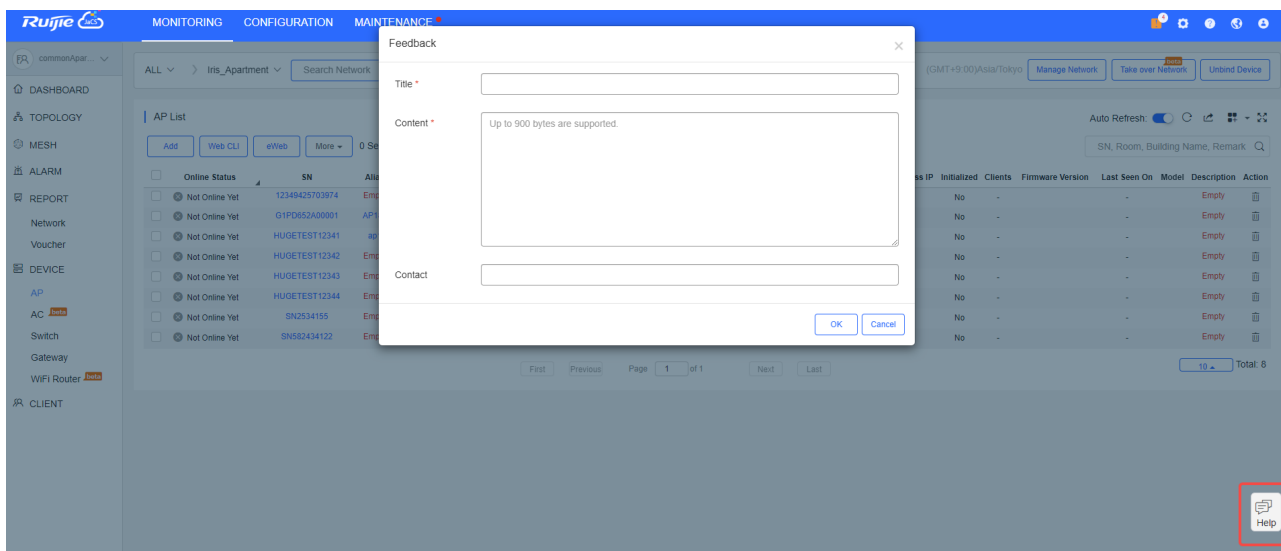
10 Unbind Device

Click **Unbind Device**, enter the device SN to get URL. Configure the ACS URL as the URL on device, and the device will automatically unbind on Cloud.



11 Feedback

You can click the **Help** icon to give feedbacks on the issues you meet or offer suggestions to us.



12 Appendix

12.1 Acronyms and Abbreviations

Acronyms and Abbreviations	Full Name
AP	Access Point
AC	Access Controller
BOSS	Business & Operation Support System
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name Server
EAP	Extensible Authentication Protocol
EAPOL	EAP over LAN
EAP AKA	Extensible Authentication Protocol Method for 3rd Generation Authentication and Key Agreement
ESSID	Extended Service Set Identification
FTP	File Transfer Protocol
HLR/AuC	Home Location Register
HTTP	Hypertext Transfer Protocol
IMSI	International Mobile Subscriber Identification
MSISDN	Mobile Subscriber ISDN
NAT	Network Address Translation
PAT	Port Address Translation
Radius	Remote Authentication Dial In User Service
SNMP	Simple Network Management Protocol
SSID	Service Set Identifier
UDP	User Datagram Protocol
VPN	Virtual Private Network
WEP	Wired Equivalent Privacy
WPA	Wi-Fi Protected Access
WAPI	Wireless LAN Authentication and Privacy Infrastructure
WLAN	Wireless Local Access Network

12.2 Glossary

Term	Definition
Cloud	Specify the cloud center management end, supports private and public clouds, allows separate deployment of a system of a private cloud version, and provides cloud services of the public cloud version.
Network	Enable the device grouping for easy management of a large quantity of devices. It is recommended that networks be added by geographical location or device use.

12.3 Limitations

No.	Module	Description
1	Device	Up to 200 devices can be imported each time. To import more than 200 devices, users need to do it in batches.
2	Configuration	Configurations of up to 200 devices can be imported each time. To import configurations of over 200 devices, users need to do it in batches.
3	EXCEL template	For the Excel template, only the XLS format is supported.
4	SSID	SSIDs can be made up of numbers, English letters, and “-”.
5	Custom excel template	In an Excel template for customization, A to Z columns and 1 to 15 rows are supported.
6	AP	Account-based policies may fail on some models, such as AP680(CD), where they are disabled by default. In this case, users need to batch apply from the Cloud the web-auth acct-update-interval 1 command to enable those policies.
7	SSID reverse sync	The Cloud does not support SSIDs containing special characters. If such SSIDs are set on end devices, the Cloud will fail to deliver them after they are synchronized to the Cloud.
8	00000JAPAN WiFi	In the Apartment Scenario, if the device goes offline after 00000JAPAN Wi-Fi is enabled, and then goes online after 00000JAPAN Wi-Fi disabled, Cloud will not re-configure the Wi-Fi settings on device. You need to clear 00000JAPAN Wi-Fi configuration manually.
9	AP	In non-apartment Scenario, please clear the configuration on devices except AP180 before bring them online; otherwise, the configuration on devices may be conflict with that on Cloud, and the client may not be able to access the Internet.
10	AP	In non-apartment Scenario, if the working mode (bridge mode or routing mode) of AP180 is different from that on Cloud, the client may not be able to access the Internet.
11	TOPOLOGY	Only devices connected to the downlink port of the switch can be detected. Only access points (excluding MA series access points) and switches can be displayed in the Topology.
12	TOPOLOGY	The uplink ports of some switches cannot be shielded in the topology as the Cloud fails to identify them. Included: XS-S1930J-8GT2SFP, XS-S1930J-8GT2SFP-P

		XS-S1930J-18GT2SFP, XS-S1930J-18GT2SFP-P XS-S1930J-24GT4SFP/2GT, XS-S1930J-24GT4SFP/2GT-P XS-S1930J-48GT4SFP
13	Initial Configuration Template	The template can only be applied to AP180 series access points in Apartment networks.
14	CLI Command	Only for AP and CAP series products.
15	WPA3-SAE	Only for MA2610 and MA2810 access points in hotel networks.
16	Device Details-Back Up	Only for apartment networks.
17	Network Management	Level 5 subnetwork group is supported.