SonicFi | Ronto

Ronto Enterprise Networking Solution

Network Setting Guide

Version: V0.1

Ronto Version: V2.7.2

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Supports model list

Type	Description
Enterprise Access Point	RAP630C-311G, RAP630W-311G, RAP630W-211G RAP7110C-341X, RAP750W-311A, RAP750E-H, RAP750E-S
Ethernet Switch	RSW226G-1PV, RSW226G-1P, RSW226G-1V RSW226G-1, RSW226G-2PV, RSW210G-2PV, RSW210G-1PV, RSW210G-1V, RSW210A-1PPV, RSW210A-1V, RSW210A-1PP, RSW210A-1
Enterprise Access Point Controller	RCN205G-1PV

This manual includes the Controller, Enterprise Access Points and Ethernet Switches installation and configuration. All of the Access Points and Ethernet Switches are managed by Controller.

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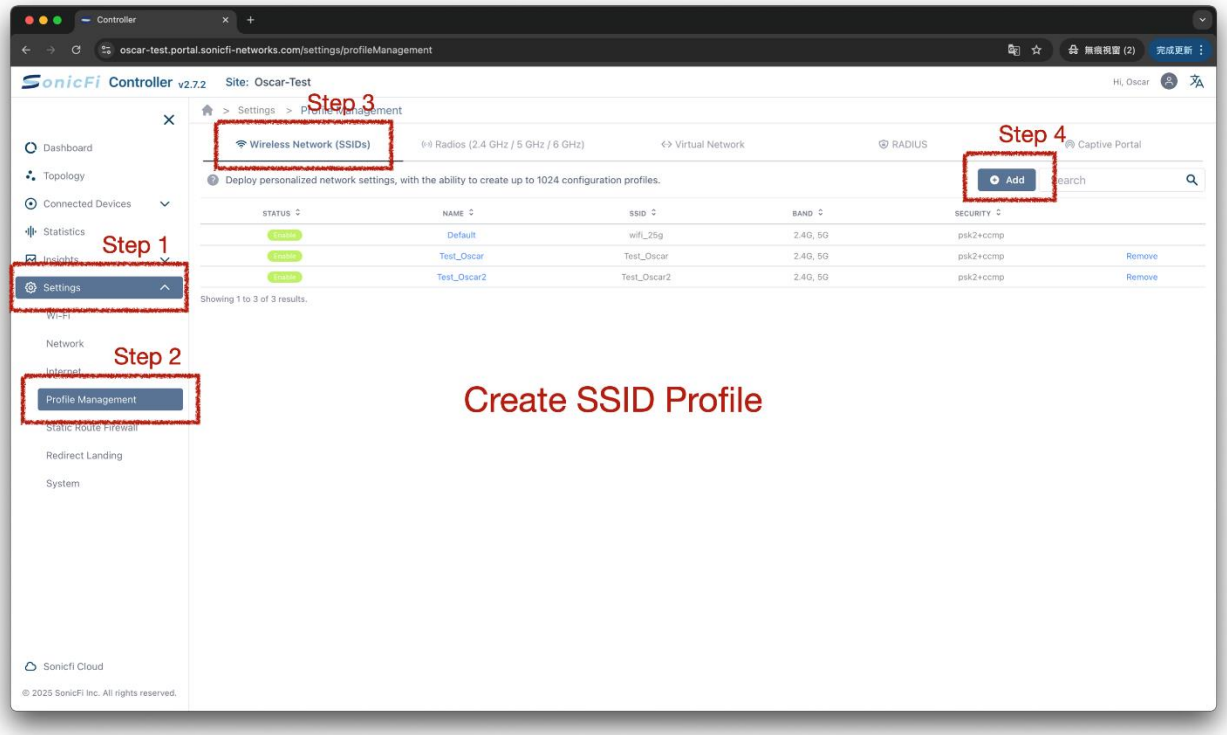
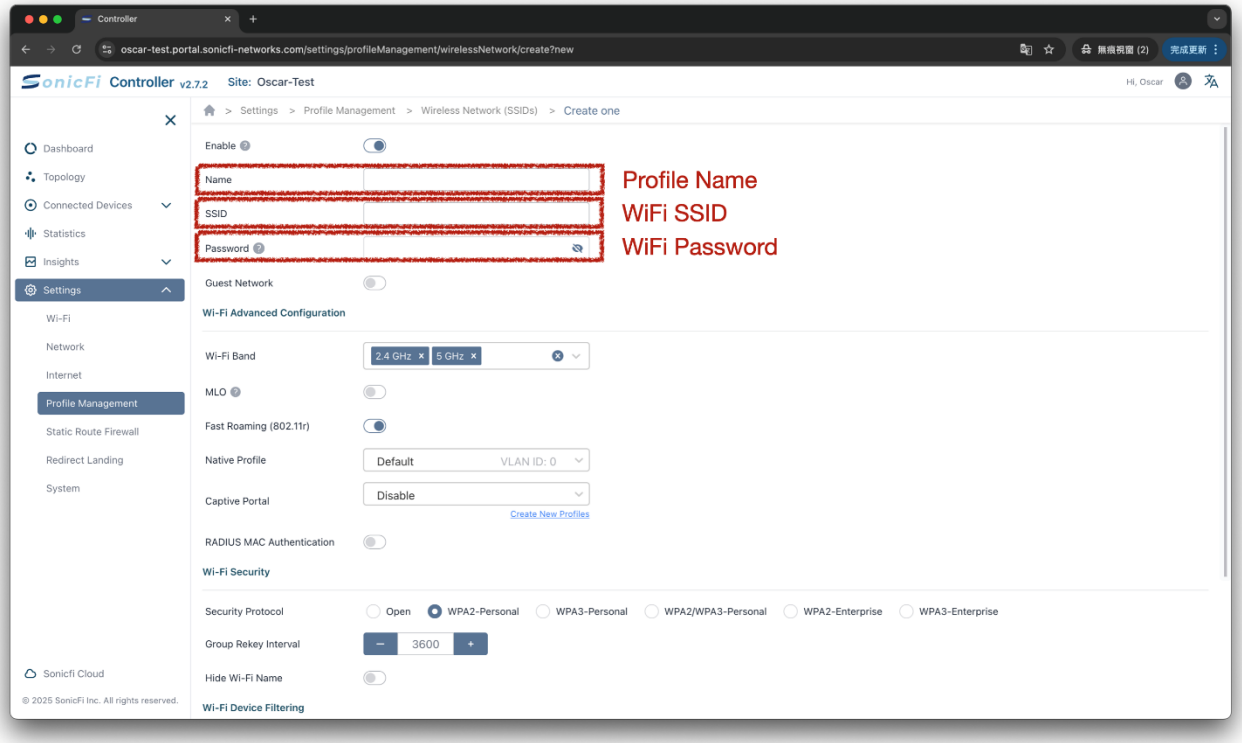
1. Setup Basic WiFi SSID

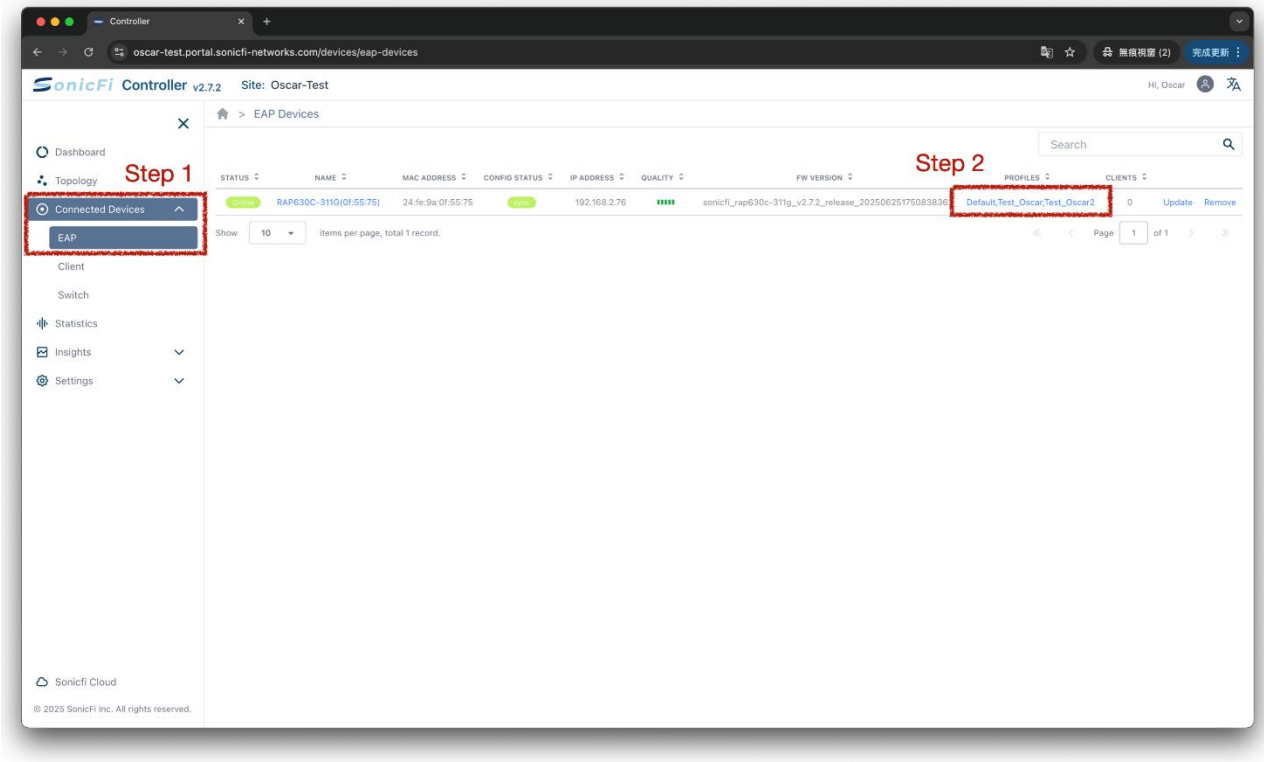
Step 1. Create SSID Profile



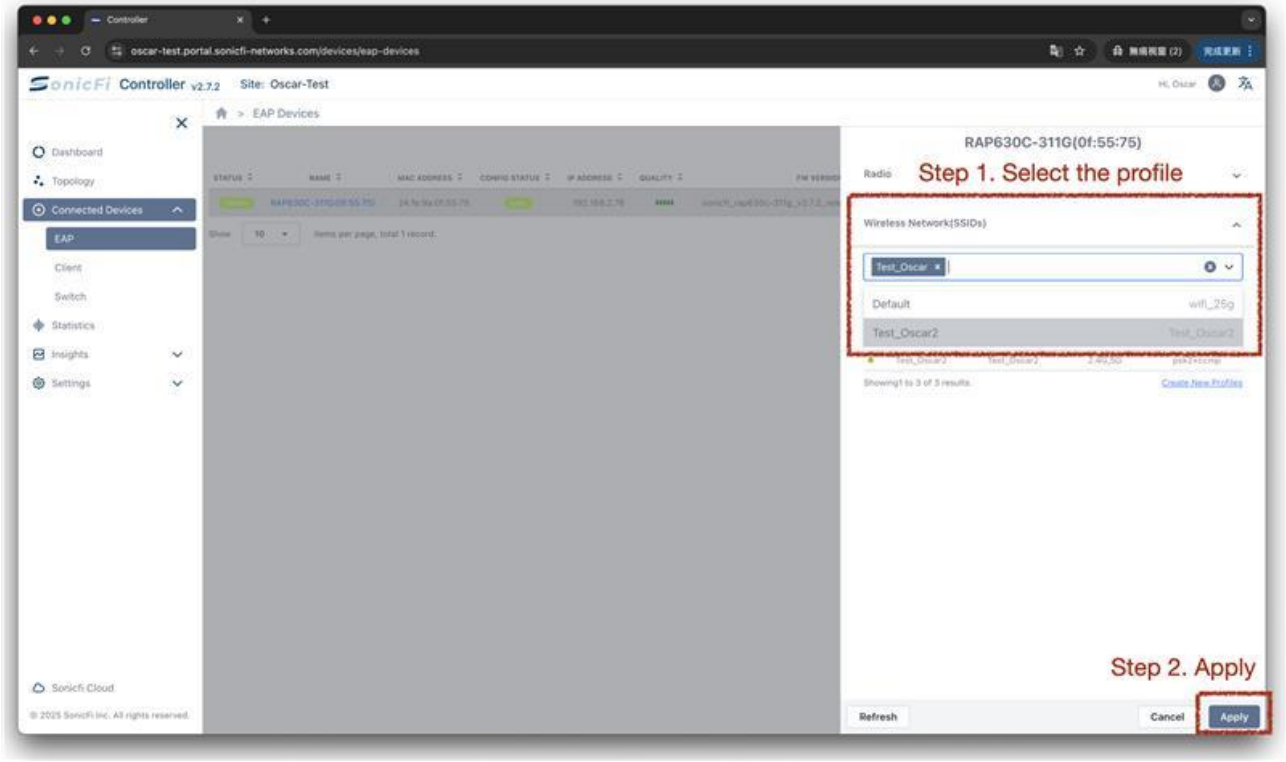
Step 2. Fill in the information and apply it to create a SSID profile



Step 3. Go to EAP list and click profiles field of the access point

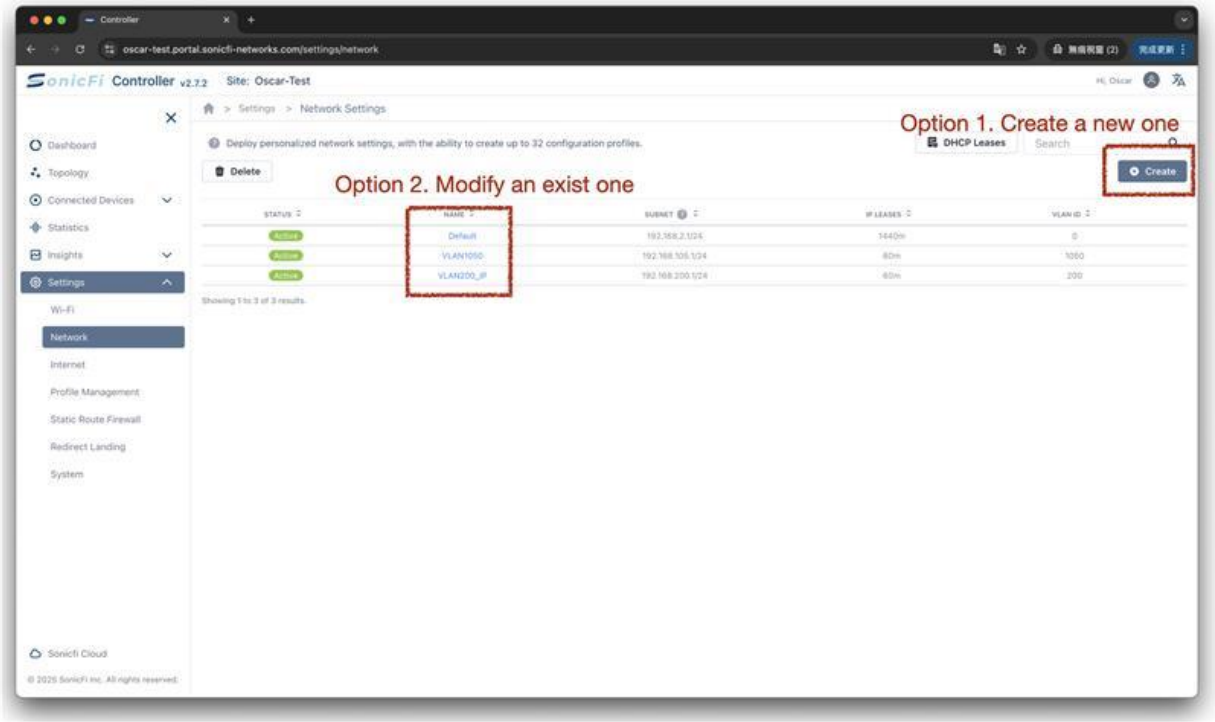


Step 4. Select the profile and apply it.

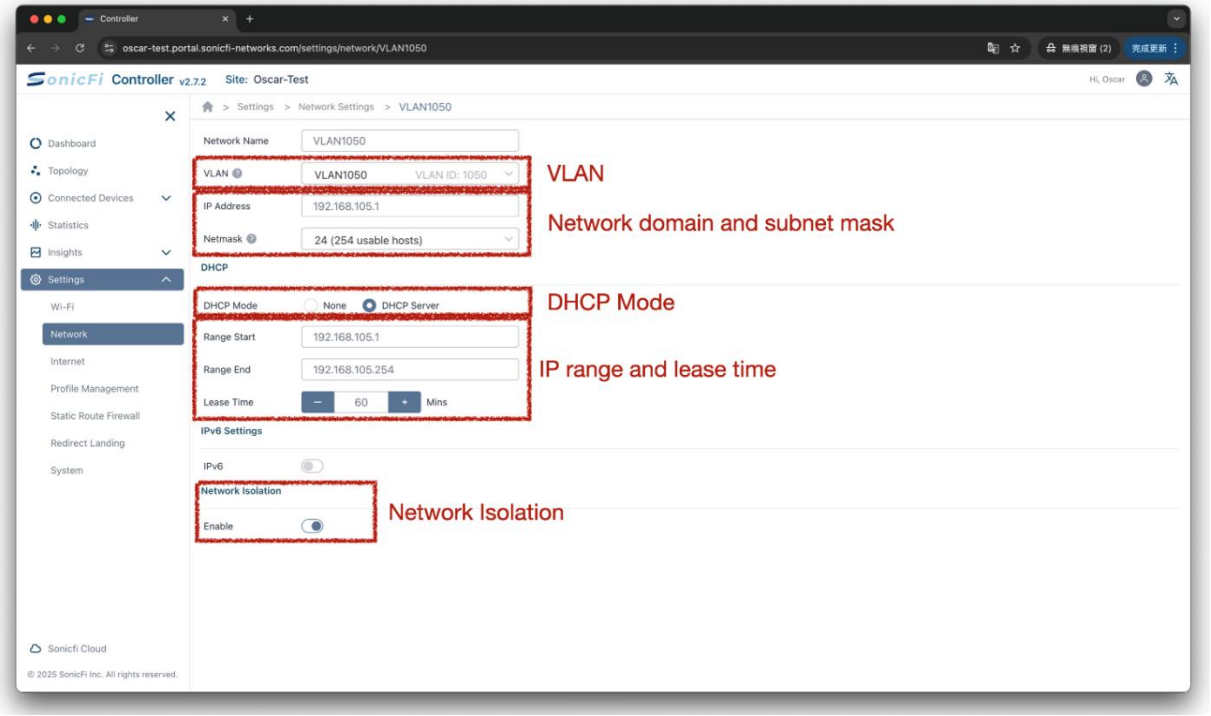


2. Setup Basic DHCP Server (On-premise Controller)

Step 1. Go to Settings -> Network. Create/Modify the DHCP server.



Step 2. Fill in the information and click Add/Save to Create/Modify the DHCP server.

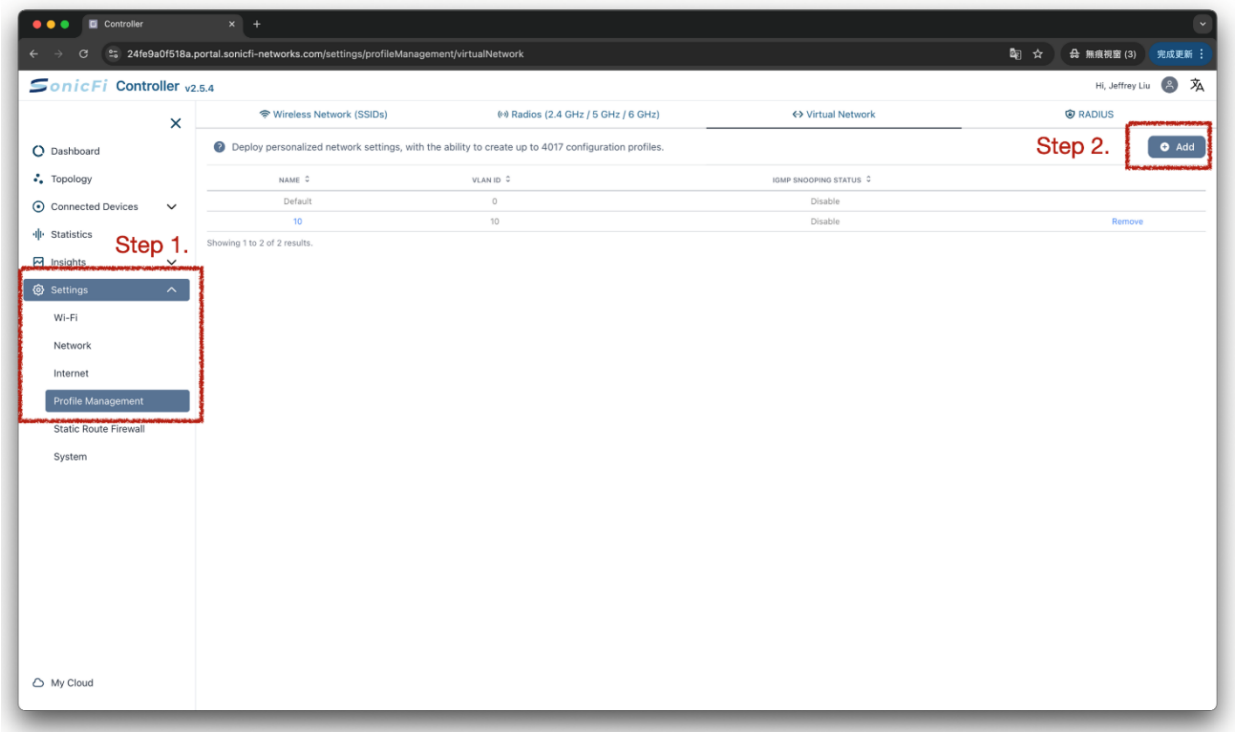


Note: VLAN, DHCP Mode, Network Isolation

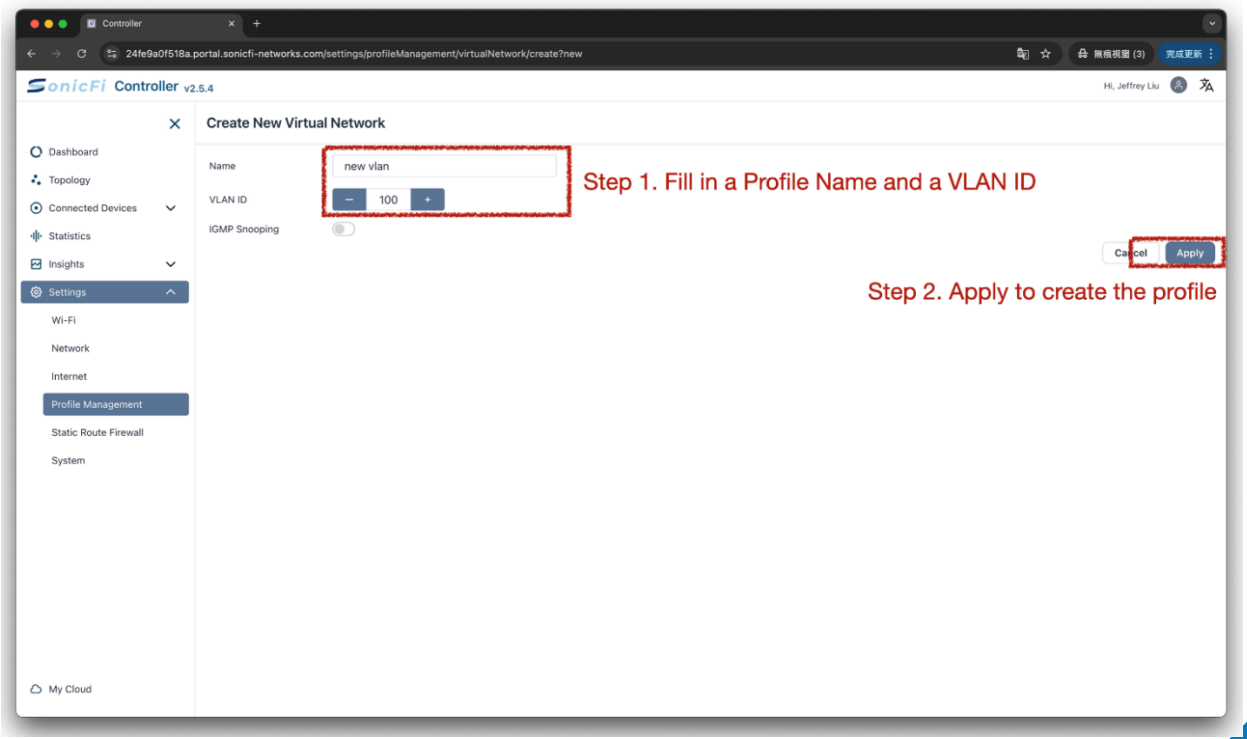
3. Setup VLAN

3.1 Create VLAN Profile

Step 1. Create the profile



Step 2. Fill in the information and apply it to create the profile.



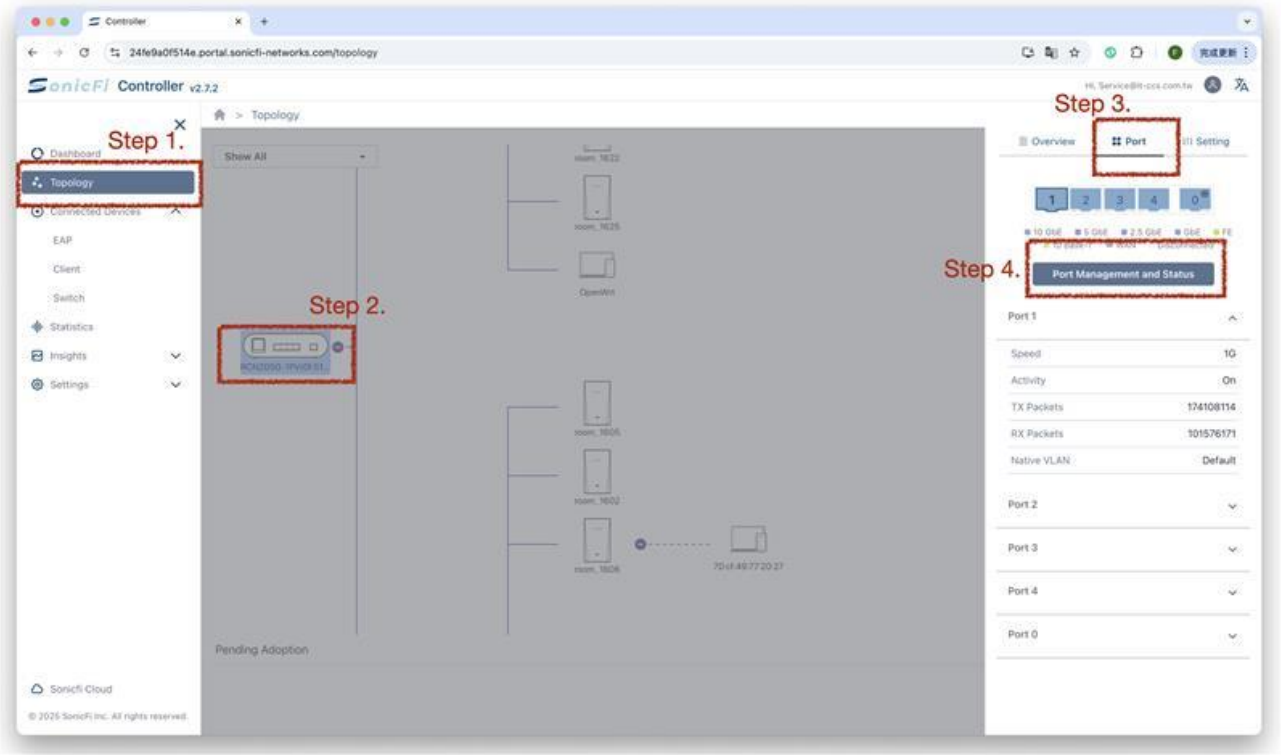
3.2 Setup VLAN for the DHCP Server (On-premise Controller)

Step 1. Following up steps of Setup Basic DHCP Server (On-premise Controller)

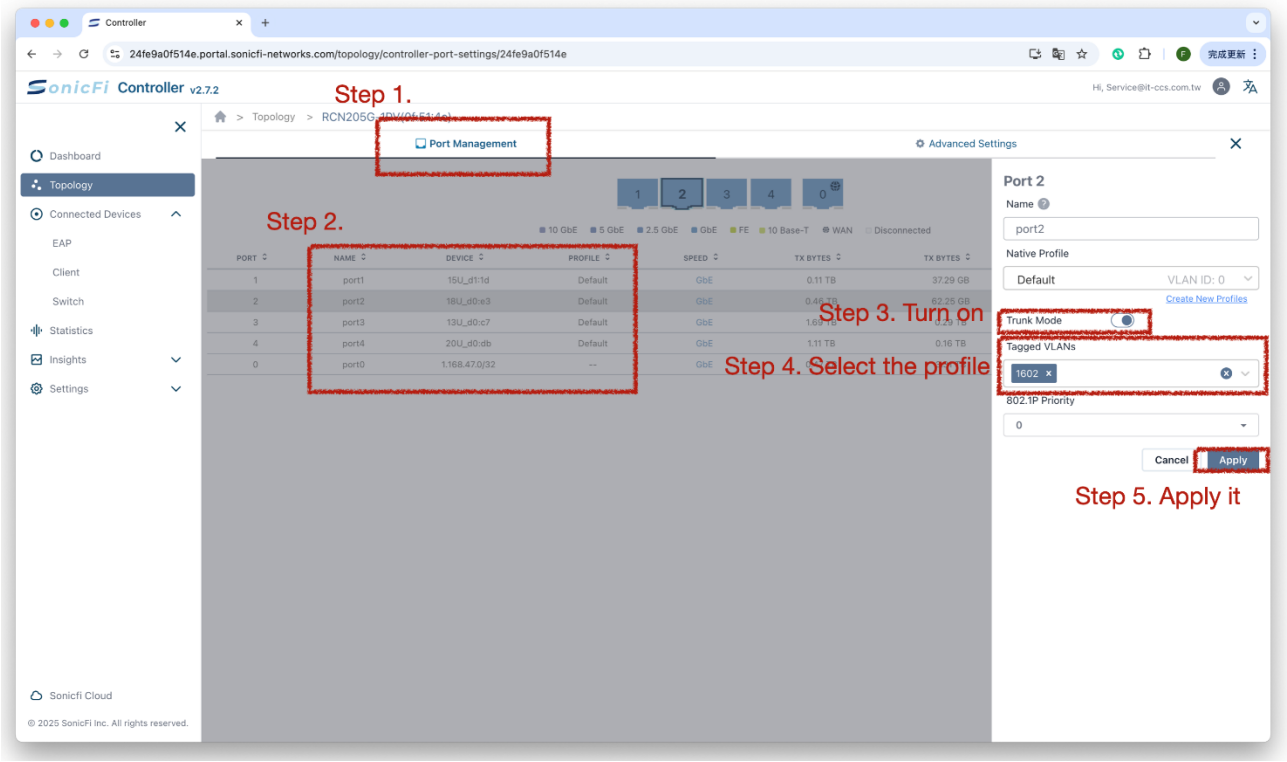
Step 2. Choose the VLAN profile at the VLAN field and save it.

3.3 Setup Trunk Mode for On-premise Controller

Step 1. Go to Port Management

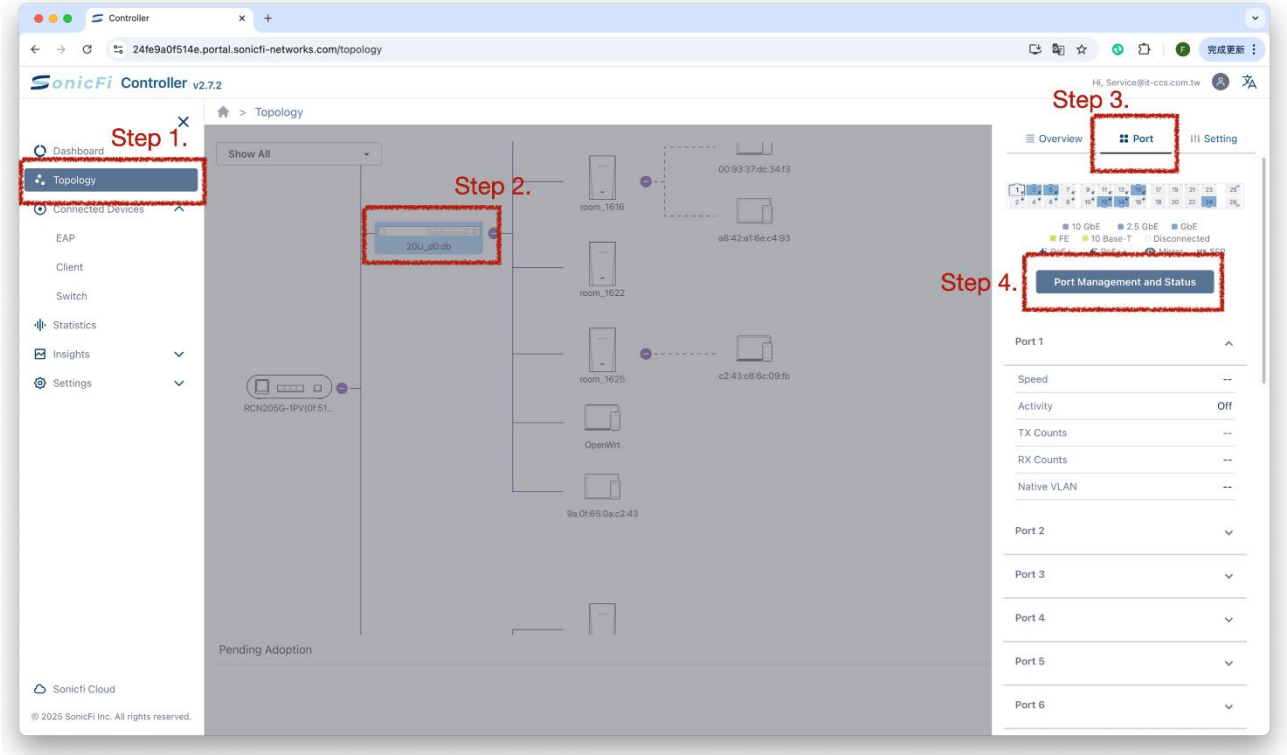


Step 2. Select the port, enable trunk mode, select the profile and apply it.

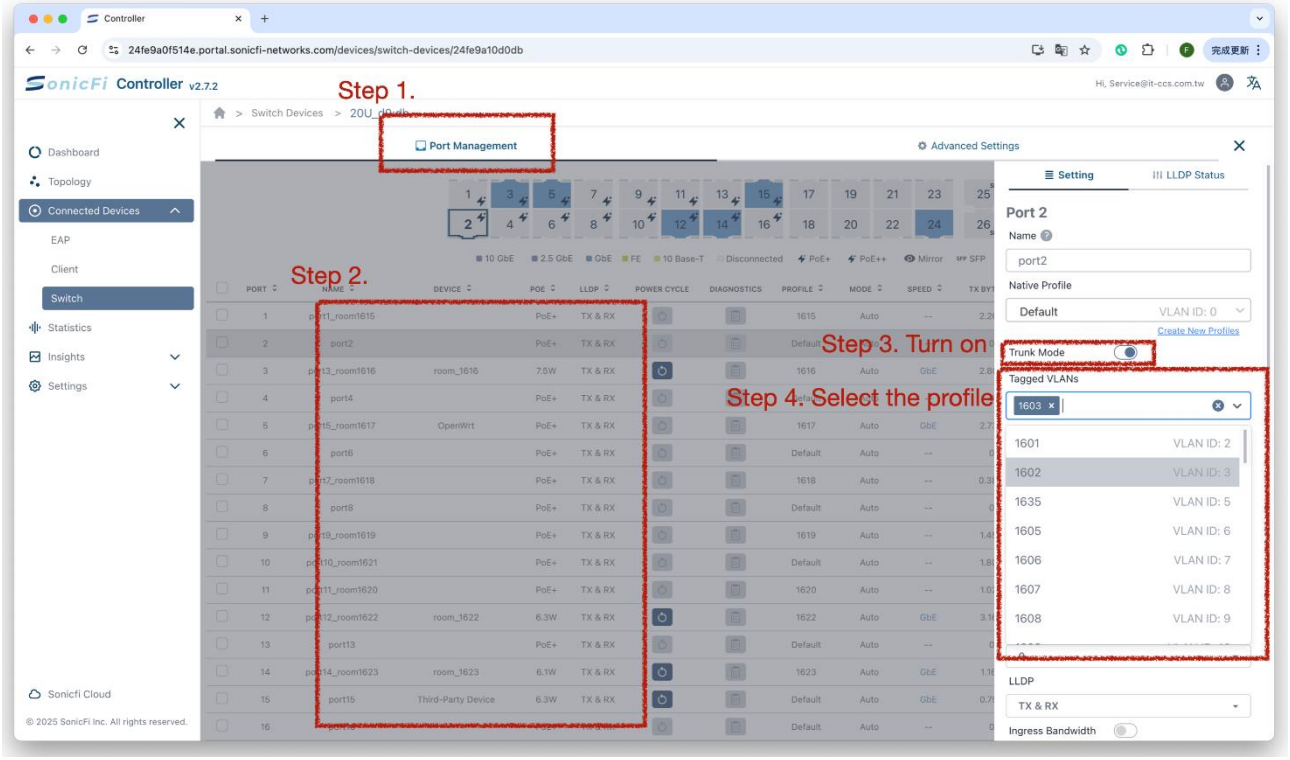


3.4 Setup Trunk Mode for the Switch

Step 1. Go to port management

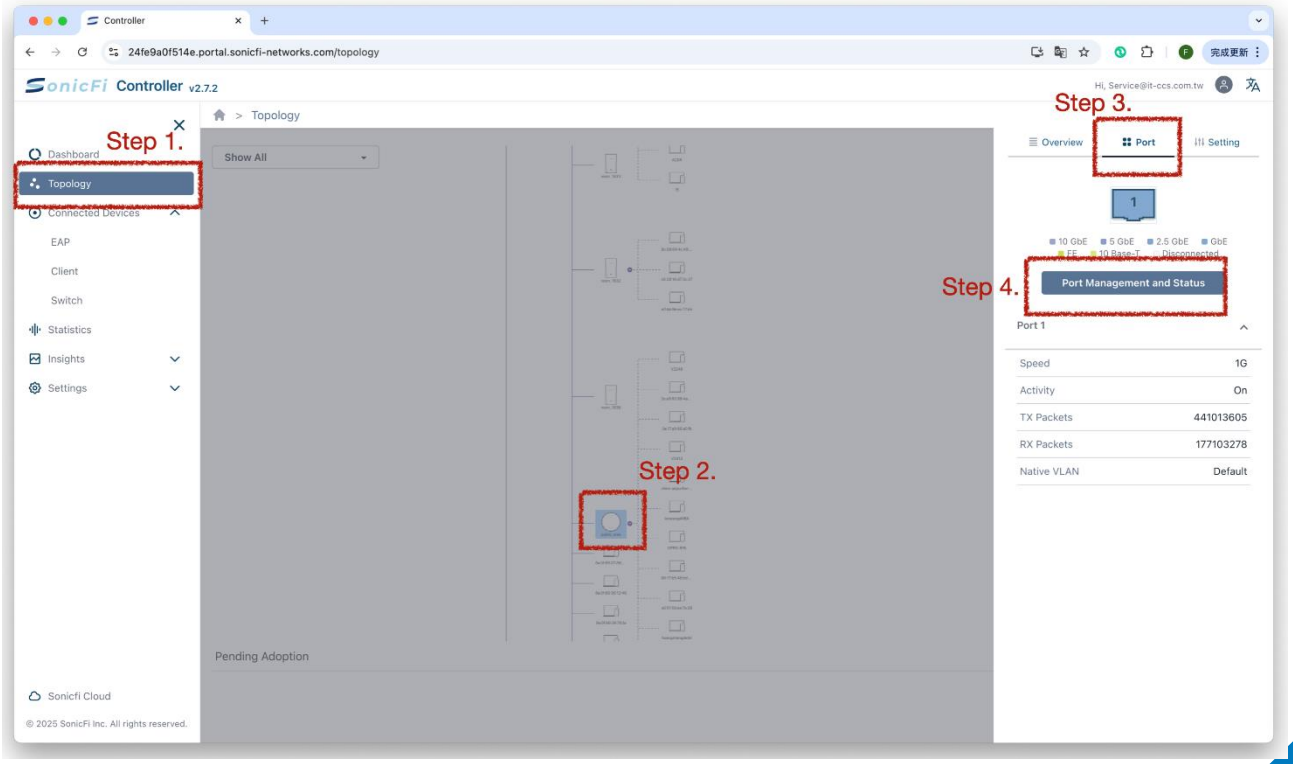


Step 2. Select the port, enable trunk mode, select the profile and apply it.

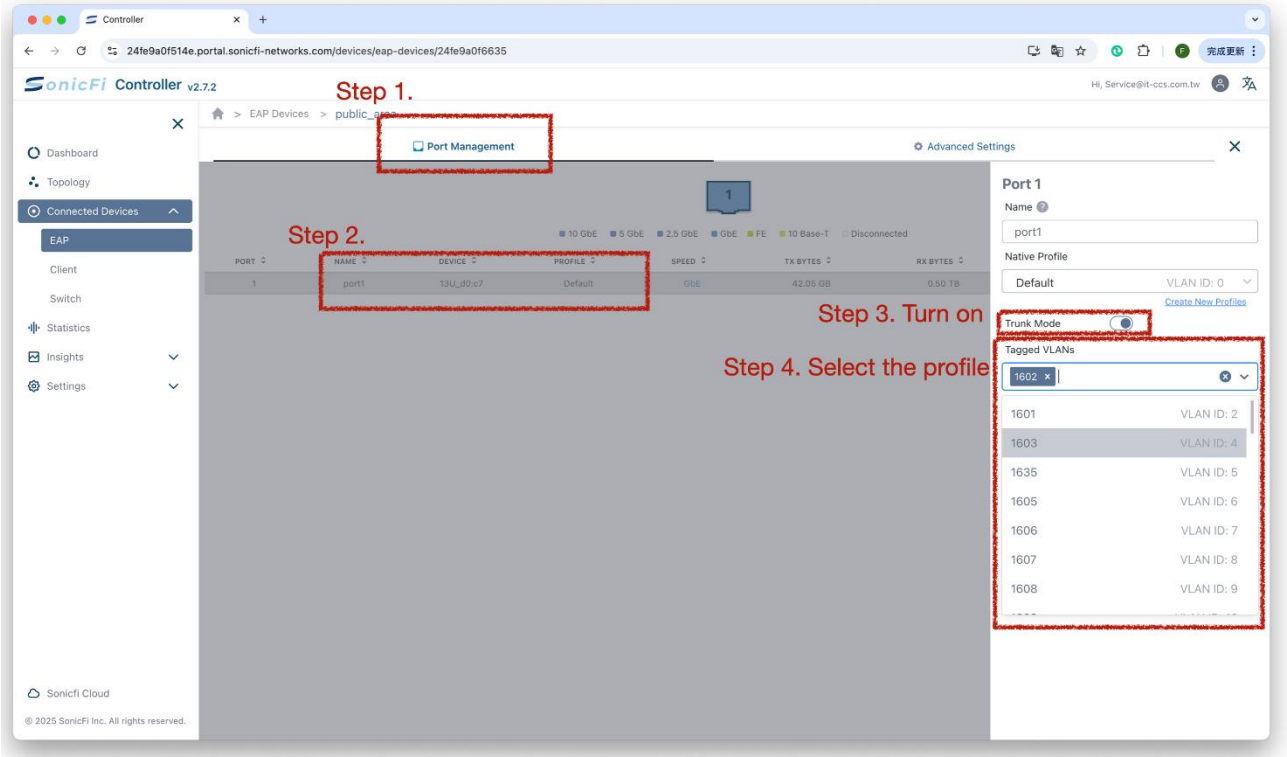


3.5 Setup Trunk Mode for the Access Point

Step 1. Go to port management



Step 2. Select the port, enable trunk mode, select the profile and apply it.



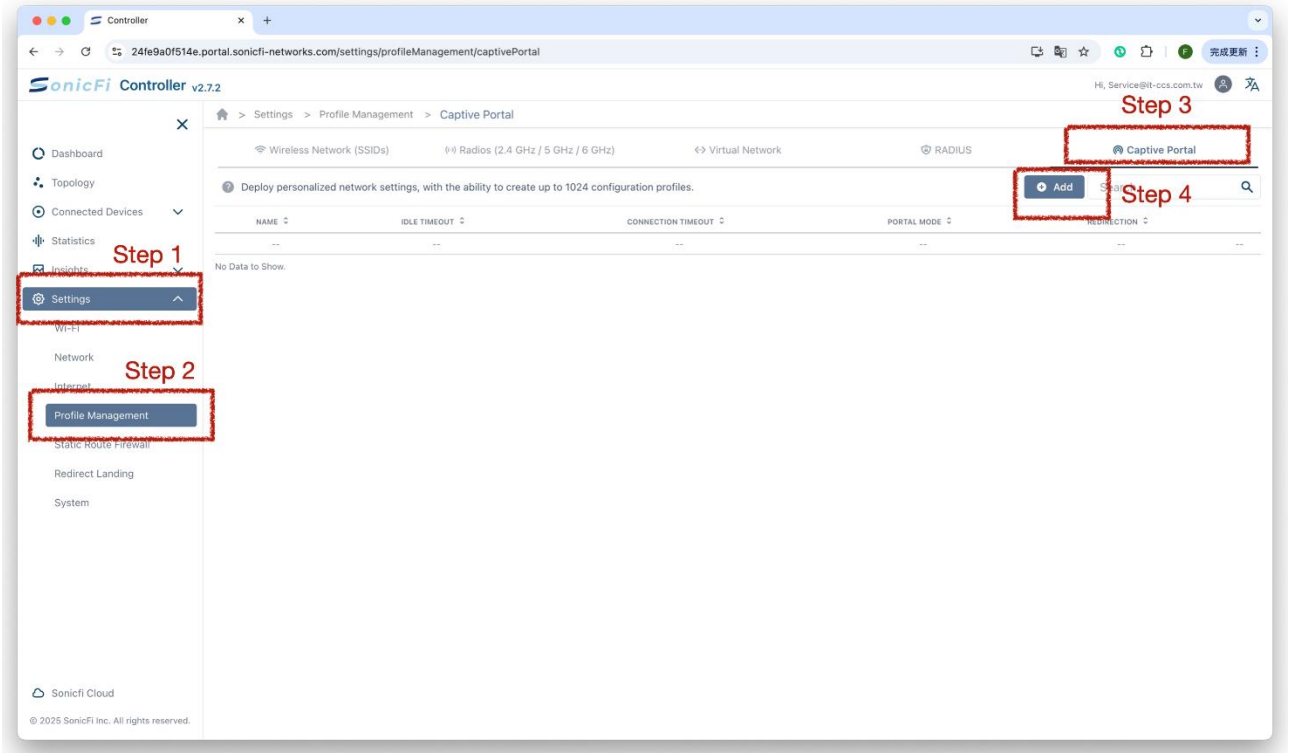
3.6 Setup VLAN for the SSID

Step 1. Following up steps of Setup Basic WiFi SSID

Step 2. Choose the VLAN profile at the Native Profile field and save it.

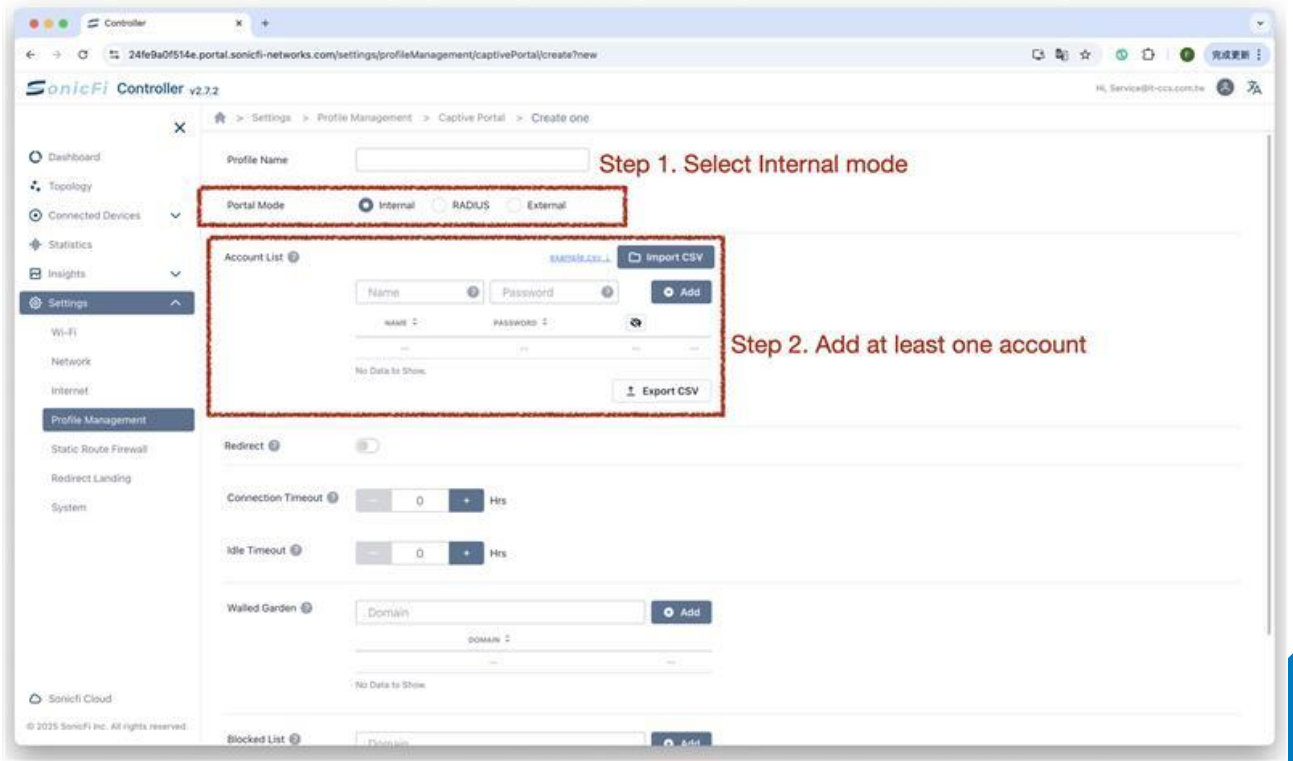
4. Setup Captive Portal

4.1 Common Step. Create Captive Portal Profile



Setup Internal Mode

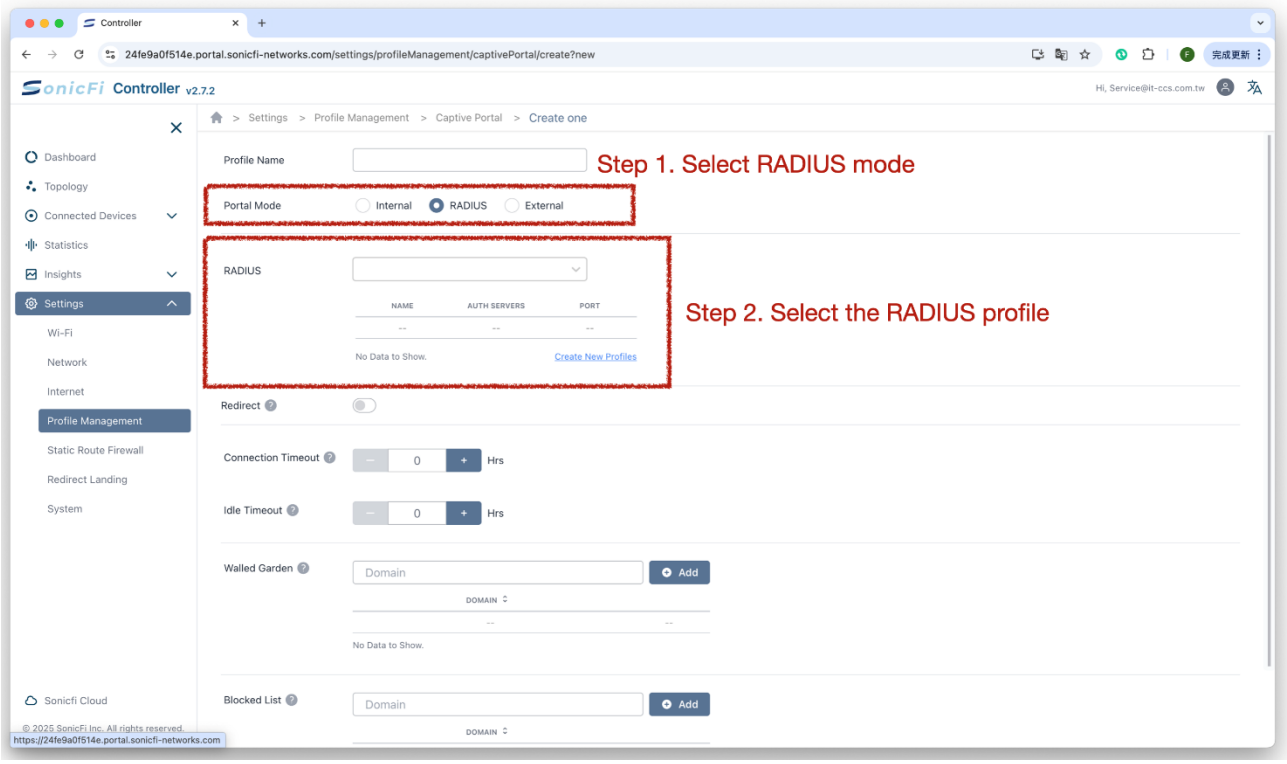
Step 1. Fill in the basic information



Step 2. Refer to Ronto Controller Captive Portal Guide

4.2 Setup RADIUS Mode

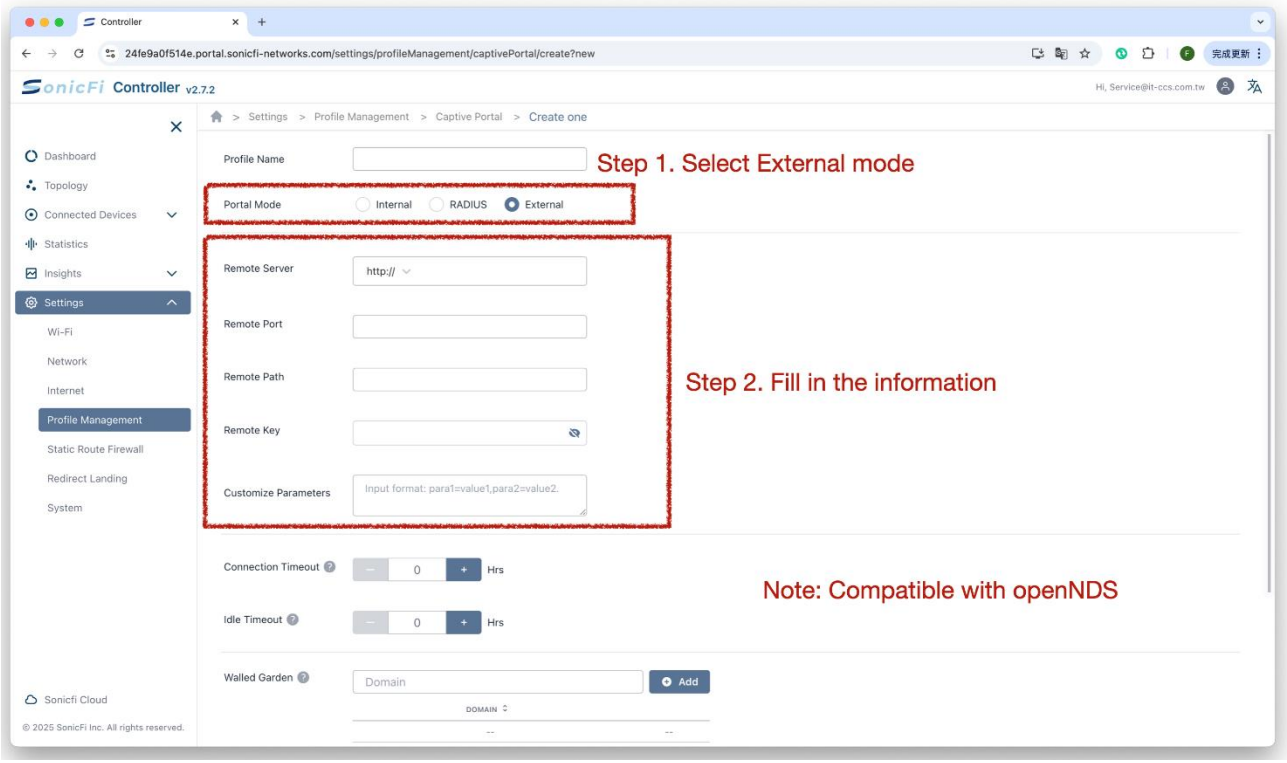
Step 1. Fill in the basic information



Step 2. Refer to Ronto Controller Captive Portal Guide.pdf

4.3 Setup External Mode

Step 1. Fill in the basic information

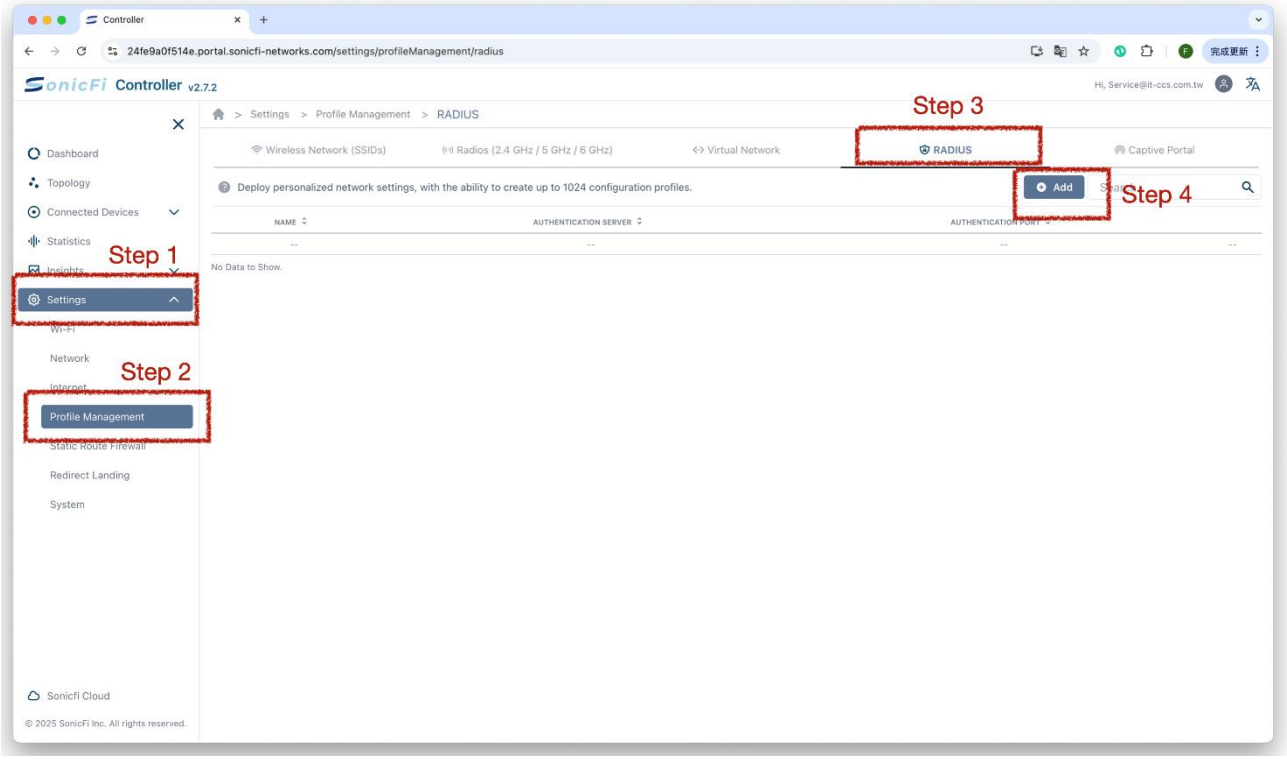


Step 2. Refer to Captive portal_CBT_ES_20250418.pdf

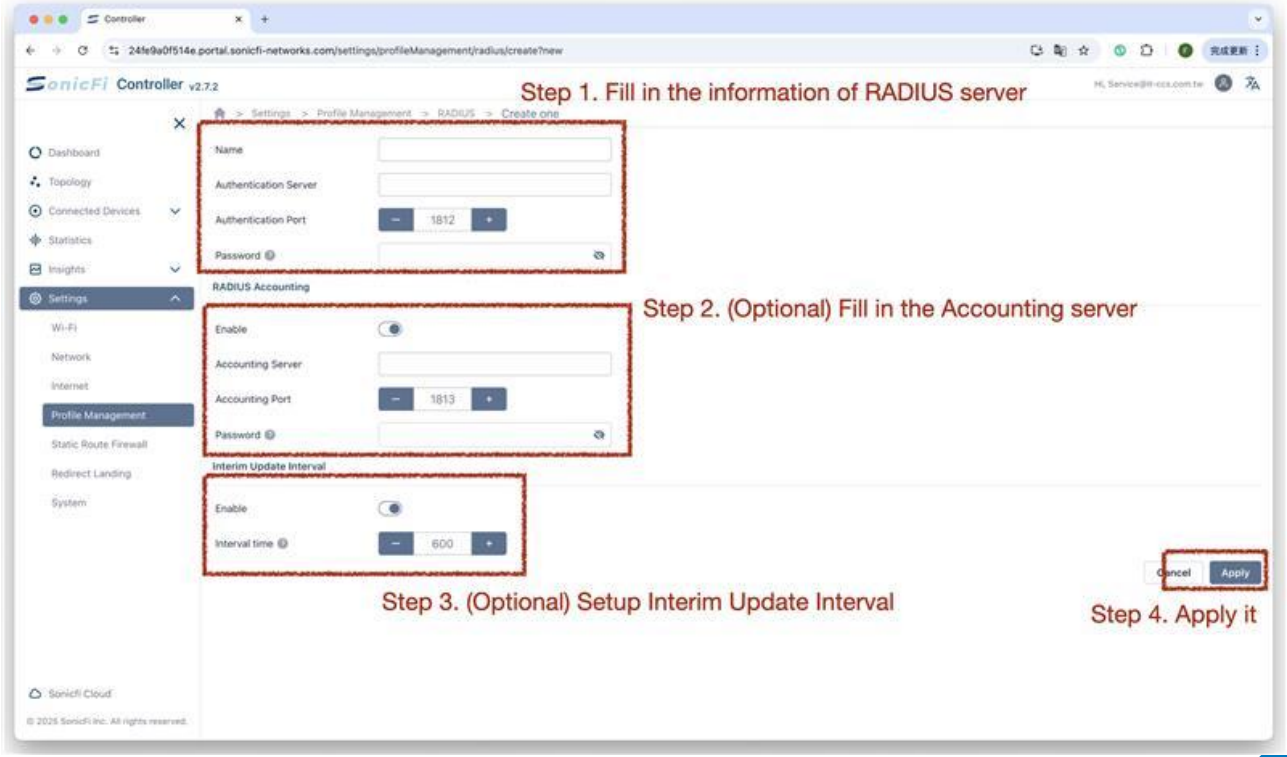
Note: Connection Timeout, Idle Timeout, Walled Garden

5. Setup RADIUS Profile

Step 1. Create a RADIUS profile.



Step 2. Fill in the information and apply it.

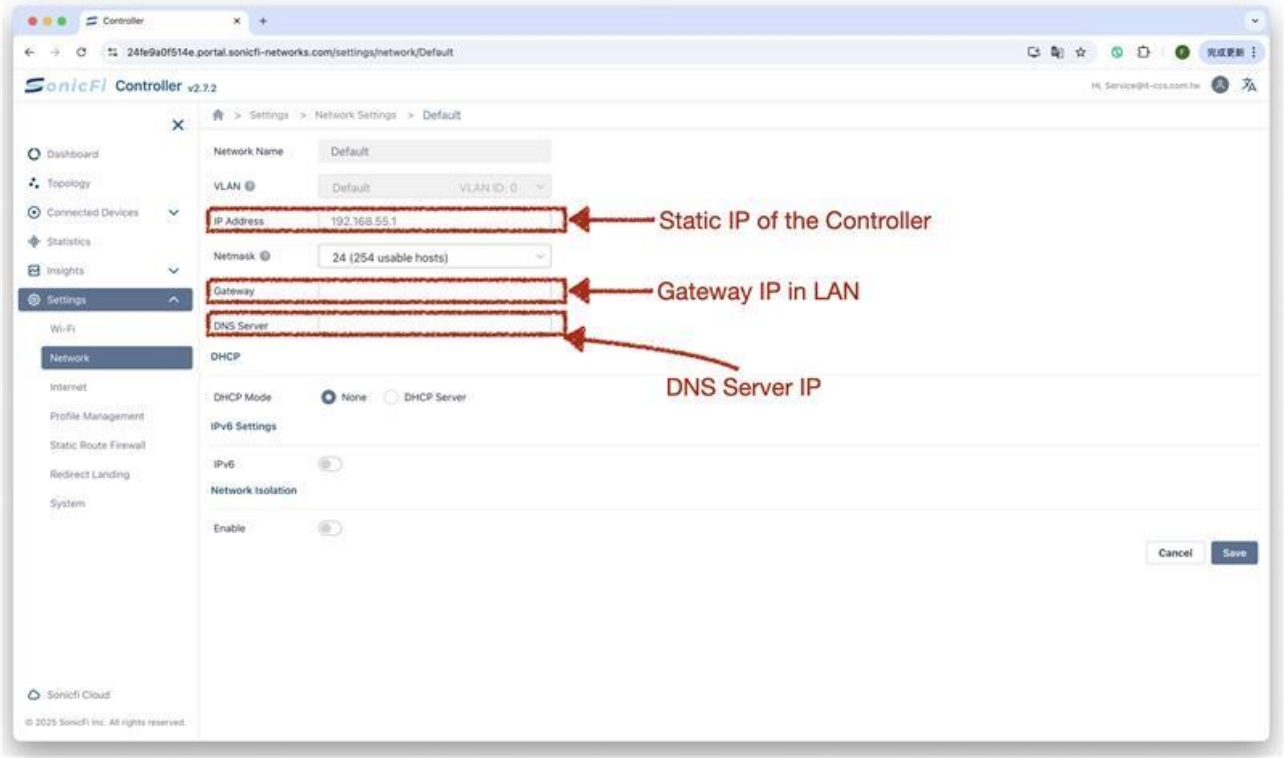


6. Q&A

6.1 What is DHCP Mode in a DHCP Server?

Our controller can not only be the gateway mode but also be the pure controller mode. In pure controller mode, the controller don't handle data traffic but just management.

Once, you turn off the DHCP mode in the **Default** DHCP server and fill in the required information, the controller will change the mode to the pure controller mode.

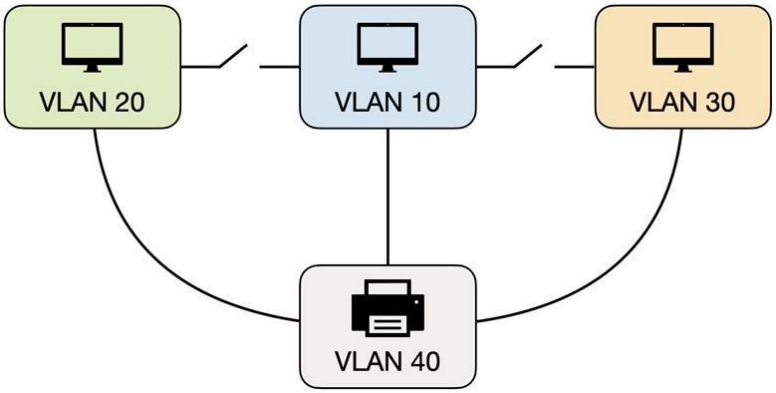


6.2 What is Network Isolation in a DHCP Server?

We often use VLANs to group devices within a LAN, ensuring that each group cannot access the others for security or network segmentation. However, this also means that shared resources—such as printers—cannot be accessed by all devices.

This is where **Network Isolation** comes in. When setting up the DHCP server, we can disable VLAN isolation for a specific subnet, allowing it to be accessed by devices from all other subnets. We can then place shared resources, such as printers or other common devices, into this subnet.

In this scenario, we call the subnet a **LAN-based DMZ**.



6.3 What is Connection Timeout in a Captive Portal?

Connection timeout in a captive portal is the time a device can stay connected without authentication or activity. After this period, the device is disconnected and must re-authenticate.

6.4 What is Idle Timeout in a Captive Portal?

Idle timeout in a captive portal is the period a device can stay connected without any network activity. If no activity occurs during this time, the device is disconnected and must re-authenticate.

6.5 What is Walled Garden in a Captive Portal?

A walled garden in a captive portal is a set of websites or services that users can access without authentication. It allows limited access to the internet while restricting other content until the user logs in.