

RUCKUS One Online Help (index.html)

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Creating a Network That Uses Hotspot 2.0 Access

You can create a Wi-Fi hotspot network that automatically and securely authenticates users while roaming.

You can configure the Wi-Fi Operator and Identity Provider profiles before or during Hotspot 2.0 Access network creation.

Complete the following steps to create a Hotspot 2.0 Access network:

1. From the navigation bar, select Wi-Fi > (and then) Wi-Fi Networks List and then click Add Wi-Fi Network. Alternatively, from the Dashboard, click Add and then select Wi-Fi Network. The Create New Network page is displayed.
2. In the Network Details section, enter a network name, (optionally) enter a description, select the Network Type as Hotspot 2.0 Access. Optionally, you can configure a separate SSID different from the network name by clicking Set different SSID. Click Next to proceed to the next screen.

Creating a Hotspot 2.0 Access Network

Wi-Fi / Wi-Fi Networks / Network List /

Create New Network

Network Details

Network Name * ? ✓

[Set different SSID](#)

Description

Network Type *

- ☐ Passphrase (PSK/SAE)
Require users to enter a passphrase (that you have defined for the network) to connect
- ☐ Dynamic Pre-Shared Key (DPSK)
Require users to enter a passphrase to connect. The passphrase is unique per device
- ☐ Enterprise AAA (802.1X)
Use 802.1X standard and WPA2 security protocols to authenticate users using an authentication server on the network
- ☒ Hotspot 2.0 Access
Hotspot 2.0 (Passpoint) provides seamless Wi-Fi with enhanced security and roaming capabilities
- ☐ Captive Portal

3. In the Hotspot 2.0 Settings section, select the Security Protocol from the list.
WPA2 is the default setting and is recommended for secure authentication and ensuring availability on mobile devices.
4. Select a Wi-Fi Operator profile from the list or click Add to create a new one (refer to *Creating a Wi-Fi Operator Profile (GUID-9D4B01D4-8CC9-4F54-8D43-C1628437B35D.html)*.)
5. Select one or more Identity Provider profiles from the list or click Add to create a new one (refer to *Adding and Managing a Hotspot 2.0 Identity Provider Profile (GUID-6F1B149A-7FCC-446E-BA27-38A4021DC6D5.html)*).
6. Select an identity group from the Identity Group drop-down or click Add to add an identity Group. Refer to *Adding an Identity Group (GUID-60E97713-D793-4659-86BF-94F8BF209EA6.html)* for instructions on how to add an identity group. To view details about the identity group, click View Details. The Identity Group sidebar is displayed.

Note:

- When an identity group is selected, all devices joining the network will automatically become an identity within that group, as displayed on the Identity Group page.
- Users have the option to either select an existing identity group from the list or create a new one.
- During network editing, the initially selected identity group cannot be removed; however, it can be changed to a different identity group.

- The identity configuration section is not applicable to the MAC Registration List when MAC Authentication is enabled.

7. Click Show more settings and select the Hotspot 2.0 tab, then configure the following settings and click Next.
 - Accounting Interim Updates: Set the accounting update interval, ranging from 0 through 1440. Default value is 5 minutes.
 - Internet Access: By default, this option is enabled, which allows devices to connect to the internet through the hotspot. If this option is disabled, any device attempting to connect to the Hotspot Wi-Fi network will be able to connect to the network but will not be able to access the internet.
 - Access Network Type: Select the access network type from the list.
 - IPV4 Address: Select the IPV4 address type for the network.
 - Protocol: Select a preconfigured protocol from the Connection Capabilities table or click Add. In the Add Protocol sidebar, add a Protocol Name, Protocol Number, Port Number, Status, and click Save.

Advanced Hotspot 2.0 Settings

Wi-Fi / Wi-Fi Networks / Network List /

Create New Network

Hotspot 2.0 Settings

Security Protocol
WPA2 (Recommended)

WPA2 is strong Wi-Fi security that is widely available on all mobile devices manufactured after 2006. WPA2 should be selected unless you have a specific reason to choose otherwise. 6GHz radios are only supported with WPA3.

Wi-Fi Operator *
EAP-TLS Add

Identity Provider *
Hotspot-4-3-25 Add

Select up to 6

Identity Group
0407PSK-1 View Details Add

Show less settings

VLAN Hotspot 2.0 Network Control Radio Networking Advanced

Accounting Interim Updates *
5 Minutes

Internet Access ☒

Cancel Back Next

Diagram illustrating the network architecture: A Local AAA Server and an Authentication Service (AAA) Service Provider are connected to a Passpoint device. The Passpoint device is connected to a Data: Local-Breakout.

8. Under Venues, toggle the Activated switch to ON for the venues where the Hotspot 2.0 network will be available. The APs, Radios, and Scheduling columns get auto-populated. Click on each entry to select the desired options such as specific AP group, radio options, and network schedule, and click Next.
9. Under Summary, review the Hotspot 2.0 Access network settings and click Add. You can see the newly added Hotspot 2.0 Access network in the Network List table.

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