



# Wi-Fi Hotspot Profile Setup

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This chapter provides information on configuring Wi-Fi Hotspot Profiles for desk phones.

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## About Wi-Fi Hotspot Profile Setup

The Wi-Fi Hotspot Profile feature allows users to use their desk phones to provide a Wi-Fi Hotspot, so that they can connect a Wi-Fi device such as a tablet or a mobile phone to the network through the desk phone. The desk phones can automatically download the Wi-Fi Hotspot configuration from the Cisco Unified Communications Manager, and the configuration is then applied to these devices.

To use the Wi-Fi Hotspot Profile feature, you must configure a Wi-Fi Hotspot Profile on the Cisco Unified Communications Manager administrative interface. After the profile is created, you must associate it with a phone. To associate a Wi-Fi Hotspot Profile to a phone, you can configure the profile at the Enterprise Parameters, Common Phone Profile, or individual phone level. Configuring a Wi-Fi Hotspot Profile on the Phone page overrides the Enterprise Parameters and Common Phone Profile settings. After the desk phones download the TFTP configuration file, the users can enable Wi-Fi Hotspot and connect the Wi-Fi devices.



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### Important

No endpoints currently support the Wi-Fi Hotspot Profile feature.

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By default, the Wi-Fi Hotspot Profile feature is disabled in Cisco Unified Communications Manager. If you want to enable the Wi-Fi Hotspot for a desk phone, you can enable the Wi-Fi Hotspot feature at the Enterprise Phone Configuration, Common Phone Profile or individual phone level and then apply a Wi-Fi Hotspot Profile to the Enterprise Parameters, Common Phone Profile or individual phone level. The Wi-Fi Hotspot setting on the Phone page overrides the setting on the Common Phone Profile page, which overrides the setting on the Enterprise Phone Configuration page.

## Wi-Fi Hotspot Profile Settings

The following table displays the Wi-Fi Hotspot Profile settings.

Name	Description
Wi-Fi Hotspot Profile Information	
Name	Enter a name for the Wi-Fi Hotspot Profile. The value can include 1 to 50 characters, including alphanumeric characters, dots, dashes, and underscores.
Description	Enter a description for the Wi-Fi Hotspot Profile. The description can include up to 50 characters in any language, but it cannot include double quotation marks ("), percentage sign (%), ampersand (&), backslash (\), or angle brackets (<>).
User Modifiable	<p>Select one of the following options from the drop-down list box:</p> <p><b>Allowed</b></p> <p>Indicates that the user can change any profile settings. This is the default setting.</p> <p><b>Disallowed</b></p> <p>Indicates that the user cannot make any changes to the profile.</p> <p><b>Restricted</b></p> <p>Indicates that some settings (Enable/Disable, SSID Suffix, PSK Passphrase, WEP Key) can be modified, but other settings (Frequency Band, Authentication Method, Authentication Server, Port, Shared Secret) cannot be modified.</p>
Wireless Settings	
SSID (Network Name) Prefix	Enter the Service Set Identifier (SSID) Prefix for the Wi-Fi Hotspot Profile. The SSID Prefix that you enter here is combined with the SSID suffix, which is generated automatically based on the local endpoint information, to create a unique SSID for the Wi-Fi Hotspot of the phone. The value can include 1 to 20 alphanumeric characters.

Name	Description
Frequency Band	<p>Select one of the following frequency band settings from the drop-down list box:</p> <p><b>Auto</b> The profile automatically chooses a frequency band.</p> <p><b>2.4 GHz</b> The profile automatically chooses 2.4 GHz as the frequency band.</p> <p><b>5 GHz</b> The profile automatically chooses 5 GHz as the frequency band.</p> <p><b>Note</b> If you select the Auto option, a single channel will be used to serve clients because dual-band operation is currently not supported.</p>
Authentication	

Name	Description
Authentication Method	

Name	Description
	<p>Specify the authentication method that is used to secure access to the Wi-Fi Hotspot. Depending on the method you choose, a PSK Passphrase, WEP key, or password description field appears so that you can provide the credentials that are required to connect to this Wi-Fi Hotspot.</p> <p>The following authentication methods are available:</p> <p><b>EAP-FAST</b></p> <p>(Extensible Authentication Protocol - Flexible Authentication through Secure Tunneling)</p> <p>If you choose this method, the Wi-Fi client that is connecting to the Wi-Fi Hotspot must be configured with a valid username and password.</p> <p><b>PEAP-MSCHAPV2</b></p> <p>(Protected Extensible Authentication Protocol - Microsoft Challenge Handshake Authentication Protocol Version 2)</p> <p>If you choose this method, the Wi-Fi client that is connecting to the Wi-Fi Hotspot must be configured with a valid username and password.</p> <p><b>PEAP-GTC</b></p> <p>(Protected Extensible Authentication Protocol - Generic Token Card)</p> <p>If you choose this method, the Wi-Fi client that is connecting to the Wi-Fi Hotspot must be configured with a valid username and password.</p> <p><b>WPA2-PSK</b></p> <p>(Wi-Fi Protected Access Pre-Shared Key)</p> <p>This method uses Advanced Encryption Standard (AES) encryption. If you select this method, you must enter a passphrase, which is an 8 to 63 ASCII character string or a 64 HEX character string.</p> <p><b>WPA-PSK</b></p> <p>This method uses Temporal Key Integrity Protocol (TKIP) encryption. If you select this method, you must enter a passphrase, which is an 8 to 63 ASCII character string or a 64 HEX character string.</p> <p><b>WEP</b></p> <p>(Wired Equivalent Privacy)</p>

Name	Description
	WEP requires a WEP Key, which is either a 5 or 13 ASCII character string or a 10 or 26 HEX character string.  <b>None</b> No authentication is required.
Server Settings	
Host Name/IP Address	Enter the DNS hostname (up to 255 characters) or IP address of the authentication server.
Port	Enter the port number. 1812 is the default port. The accepted port range is 1-65535.
Shared Secret	Enter the shared secret. The value can include 1 to 32 characters.  The shared secret is used to authenticate against the authentication server. The shared secret specified in the Wi-Fi Hotspot Profile must match with the shared secret specified in the authentication server.
<b>Note</b>	The server settings are displayed only if you select the authentication method as EAP-FAST, PEAP-MSCHAPv2, or PEAP-GTC.

## Create Wi-Fi Hotspot Profile

Use the following procedure to create a new Wi-Fi Hotspot Profile. After you create a Wi-Fi Hotspot Profile, you can apply it at the Enterprise Parameters, Common Phone Profile or individual phone level.

### Procedure

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- Step 1** From Cisco Unified Communications Manager Administration, select **Device > Device Settings > Wi-Fi Hotspot Profile**.
- Step 2** Click **Add New**.  
The Wi-Fi Hotspot Profile settings window appears.
- Step 3** Enter the Wi-Fi Hotspot Profile settings.
- Step 4** Click **Save**.  
The Wi-Fi Hotspot Profile is created.
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Repeat this procedure for each Wi-Fi Hotspot Profile that you want to create.