



Configuring Wi-Fi Direct Client Policy

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Wi-Fi Direct Client Policy

Some clients support Wi-Fi Direct, which enables direct peer-to-peer connections; for example, from a PC to a printer. Wi-Fi Direct allows such a peer-to-peer connection simultaneously with an AP association.

Wi-Fi Direct Client Policy enables the network administrator to block associations from clients that have Wi-Fi Direct enabled.

This section contains the following subsections:

Restrictions for the Wi-Fi Direct Client Policy

- Wi-Fi Direct Client Policy is applicable to WLANs that have APs in local mode only.
- Cisco APs in FlexConnect mode (even in central authentication and central switching) is not supported.
- If WLAN applied client policy is invalid, the client is excluded with the exclusion reason being 'Client QoS Policy failure'.

Configuring the Wi-Fi Direct Client Policy (GUI)

- Step 1** Choose **WLANs** to open the WLANs page.
- Step 2** Click the WLAN ID of the WLAN for which you want to configure the Wi-Fi Direct Client Policy. The **WLANs > Edit** page appears.
- Step 3** Click the **Advanced** tab.
- Step 4** From the **Wi-Fi Direct Clients Policy** drop-down list, choose one of the following options:

- **Disabled**—Ignores the Wi-Fi Direct status of clients thereby allowing Wi-Fi Direct clients to associate
- **Allow**—Allows Wi-Fi Direct clients to associate with the WLAN
- **Not-Allow**—Disallows the Wi-Fi Direct clients from associating with the WLAN
- **Xconnect-Not-Allow**—Enables AP to allow a client with the Wi-Fi Direct option enabled to associate, but the client (if it works according to the Wi-Fi standards) will refrain from setting up a peer-to-peer connection

Step 5 Save the configuration.

Configuring the Wi-Fi Direct Client Policy (CLI)

Step 1 Configure the Wi-Fi Direct Client Policy on WLANs by entering this command:

config wlan wifidirect {allow | disable | not-allow} wlan-id

The syntax of the command is as follows:

- **allow**—Allows Wi-Fi Direct clients to associate with the WLAN
- **disable**—Ignores the Wi-Fi Direct status of clients thereby allowing Wi-Fi Direct clients to associate
- **not-allow**—Disallows the Wi-Fi Direct clients from associating with the WLAN
- **xconnect-not-allow**—Enables AP to allow a client with the Wi-Fi Direct option enabled to associate, but the client (if it works according to the Wi-Fi standards) will refrain from setting up a peer-to-peer connection
- **wlan-id**—WLAN identifier

Step 2 Save your configuration by entering this command:

save config

Monitoring and Troubleshooting the Wi-Fi Direct Client Policy (CLI)

Procedure

- Monitor and troubleshoot the Wi-Fi Direct Client Policy by entering these commands:
 - **show wlan wifidirect wlan-id**—Displays status of the Wi-Fi Direct Client Policy on the WLAN.
 - **show client wifiDirect-stats**—Displays the total number of clients associated and the number of clients rejected if the Wi-Fi Direct Client Policy is enabled.