Wireless Clients Threshold Warning

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Wireless client threshold warnings

A wireless client threshold warning is a controller feature that

- lets you configure warning messages when the number of simultaneous wireless clients reaches a set threshold,
- sets the threshold by default to seventy-five percent of the controller's total capacity,
- notifies users through syslog messages, Simple Network Management Protocol (SNMP) traps, and NETCONF or YANG notifications when the threshold is breached.

Additional information

In Cisco IOS XE 17.6.x, this feature is enabled by default. For example, the Cisco Catalyst 9800-80 Wireless Controller supports up to 64,000 (sixty-four thousand) clients. The default threshold is 48,000 (forty-eight thousand) clients (seventy-five percent of capacity).

When the number of clients exceeds the threshold, the controller sends notifications using syslog messages, Simple Network Management Protocol (SNMP) traps, and NETCONF or YANG notifications.

This feature notifies you when you approach the wireless client limit, so you can act before reaching the maximum. You can also change the allowed number of wireless clients as needed.

Note To disable the wireless client threshold warning feature, use the **no wireless max-warning** command.

Configure a warning period (CLI)

Set the time interval for generating wireless client warning notifications on devices using the CLI

Procedure

Step 1 Enter global configuration mode.

Example:

```
Device# configure terminal
```

Step 2 Configure the periodicity of the wireless client check.

Example:

```
Device(config)# wireless max-warning period interval-in-mins
```

Valid values range from 1 to 60 minutes.

Step 3 Return to privileged EXEC mode.

Example:

```
Device(config)# end
```

The device generates wireless client warnings at the configured interval.

Configure the client threshold (CLI)

Set a threshold percentage to receive warnings when the number of connected wireless clients approaches the maximum limit.

Procedure

Step 1 Enter global configuration mode.

Example:

```
Device# configure terminal
```

Step 2 Configure the warning threshold percentage for the maximum number of wireless clients. Valid values range from 50 to 100 percent.

Example:

```
Device(config)# wireless max-warning threshold clients threshold_percentage
```

Step 3 Return to privileged EXEC mode.

Example:

```
Device(config)# end
```

The device issues a warning when the number of connected wireless clients exceeds the specified threshold percentage of the maximum limit.