



# Wireless Auto-QoS

- [Information About Auto QoS, on page 1](#)
- [How to Configure Wireless AutoQoS, on page 2](#)

## Information About Auto QoS

Wireless Auto QoS automates deployment of wireless QoS features. It has a set of predefined profiles which can be further modified by the customer to prioritize different traffic flows. Auto-QoS matches traffic and assigns each matched packet to qos-groups. This allows the output policy map to put specific qos-groups into specific queues, including into the priority queue.

### AutoQoS Policy Configuration

*Table 1: AutoQoS Policy Configuration*

| Mode           | Client Ingress | Client Egress | BSSID Ingress | BSSID Egress | Port Ingress | Port Egress | Radio                    |
|----------------|----------------|---------------|---------------|--------------|--------------|-------------|--------------------------|
| Voice          | N/A            | N/A           | P3            | P4           | N/A          | P7          | ACM on                   |
| Guest          | N/A            | N/A           | P5            | P6           | N/A          | P7          |                          |
| Fastlane       | N/A            | N/A           | N/A           | N/A          | N/A          | P7          | edca-parameters fastlane |
| Enterprise-avc | N/A            | N/A           | P1            | P2           | N/A          | P7          |                          |

|    |   |
|----|---|
| P1 | AutoQos-4.0-wlan-ET-SSID-Input-AVC-Policy |
| P2 | AutoQos-4.0-wlan-ET-SSID-Output-Policy    |
| P3 | platinum-up                               |
| P4 | platinum                                  |
| P5 | AutoQos-4.0-wlan-GT-SSID-Input-Policy     |

|    |  |
|----|--|
| P6 | AutoQos-4.0-wlan-GT-SSID-Output-Policy |
| P7 | AutoQos-4.0-wlan-Port-Output-Policy    |

# How to Configure Wireless AutoQoS

## Configuring Wireless AutoQoS on Profile Policy

You can enable AutoQoS on a profile policy.

### Procedure

|               | Command or Action  | Purpose  |
|---------------|--|--|
| <b>Step 1</b> | <b>enable</b><br><br><b>Example:</b><br>Device# <code>enable</code>  | Enables privileged EXEC mode. Enter your password if prompted.   |
| <b>Step 2</b> | <b>wireless autoqos policy-profile <i>policy-name</i> mode { enterprise-avc   fastlane   guest   voice}</b><br><br><b>Example:</b><br>Device# <code>wireless autoqos policy-profile test-profile mode voice</code> | Configures AutoQoS wireless policy. <ul style="list-style-type: none"> <li>• <b>enterprise-avc</b>—Enables AutoQoS Wireless Enterprise AVC Policy.</li> <li>• <b>fastlane</b>—Enable AutoQoS Wireless Fastlane Policy.</li> <li>• <b>guest</b>—Enable AutoQoS Wireless Guest Policy.</li> <li>• <b>voice</b>—Enable AutoQoS Wireless Voice Policy.</li> </ul> <p><b>Note</b> AutoQoS MIB attribute does not support full functionality with service policy. Service policy must be configured manually. Currently, there is only support for AutoQoS mode.</p> |

### What to do next



**Note** After enabling AutoQoS, we recommend that you wait for a few seconds for the policy to install and then try and modify the AutoQoS policy maps if required; or retry if the modification is rejected.

## Disabling Wireless AutoQoS

To globally disable Wireless AutoQoS:

### Procedure

|               | Command or Action   | Purpose   |
|---------------|---|---|
| <b>Step 1</b> | <b>enable</b><br><b>Example:</b><br>Device# <code>enable</code>                                     | Enables privileged EXEC mode. Enter your password if prompted.  |
| <b>Step 2</b> | <b>shutdown</b><br><b>Example:</b><br>Device# <code>shutdown</code>                                 | Shuts down the policy profile.  |
| <b>Step 3</b> | <b>wireless autoqos disable</b><br><b>Example:</b><br>Device# <code>wireless autoqos disable</code> | Globally disables wireless AutoQoS.   |
| <b>Step 4</b> | <b>[no] shutdown</b><br><b>Example:</b><br>Device# <code>no shutdown</code>                         | Enables the wireless policy profile.<br><br><b>Note</b> Disabling Auto QoS does not reset global radio configurations like CAC and EDCA parameters. |

## Rollback AutoQoS Configuration (GUI)

### Procedure

- 
- Step 1** Choose **Configuration > Services > QoS**.
  - Step 2** Click **Disable AutoQoS**.
  - Step 3** Click **Yes** to confirm.
- 

## Rollback AutoQoS Configuration

### Before you begin




---

**Note** AutoQoS MIB attribute does not support the full functionality with service policy. Currently, there is only support for AutoQoS mode. Service policy must be configured manually.

---

**Procedure**

|               | Command or Action  | Purpose  |
|---------------|--|--|
| <b>Step 1</b> | <b>enable</b><br><b>Example:</b><br>Device#enable  | Enables privileged EXEC mode. Enter your password if prompted.   |
| <b>Step 2</b> | <b>clear platform software autoqos config template { enterprise_avc   guest}</b><br><b>Example:</b><br>Device# clear platform software autoqos config template guest | Resets AutoQoS configuration. <ul style="list-style-type: none"> <li>• enterprise-avc—Resets AutoQoS Enterprise AVC Policy Template.</li> <li>• guest—Resets AutoQoS Guest Policy Template.</li> </ul> |

## Clearing Wireless AutoQoS Policy Profile (GUI)

**Procedure**

- 
- Step 1** Choose **Configuration > Tags & Profiles > Policy**.
- Step 2** Click on the **Policy Profile Name**.
- Step 3** Go to **QOS and AVC** tab.
- Step 4** From the **Auto Qos** drop-down list, choose **None**.
- Step 5** Click **Update & Apply to Device**.
- 

## Clearing Wireless AutoQoS Policy Profile

**Procedure**

|               | Command or Action   | Purpose  |
|---------------|---|--|
| <b>Step 1</b> | <b>enable</b><br><b>Example:</b><br>Device# enable                                      | Enables privileged EXEC mode. Enter your password if prompted. |
| <b>Step 2</b> | <b>shutdown</b><br><b>Example:</b><br>Device# shutdown                                  | Shuts down the policy profile.                                 |
| <b>Step 3</b> | <b>wireless autoqos policy-profile <i>policy-name</i> mode clear</b><br><b>Example:</b> | Clears the configured AutoQoS wireless policy.                 |

|               | Command or Action  | Purpose                              |
|---------------|--|--------------------------------------|
|               | Device# <code>wireless autoqos policy-profile<br/>test-profile mode clear</code> |                                      |
| <b>Step 4</b> | <b>[no] shutdown</b><br><br><b>Example:</b><br><code>no shutdown</code>          | Enables the wireless policy profile. |

## Viewing AutoQoS on policy profile

### Before you begin

Autoqos is supported on the local mode and flex mode. Autoqos configures a set of policies and radio configurations depending on the template. It is possible to override the service-policy that is configured by autoqos. The latest configuration takes effect, with AAA override policy being of highest priority.

### Procedure

|               | Command or Action   | Purpose  |
|---------------|---|--|
| <b>Step 1</b> | <b>enable</b><br><br><b>Example:</b><br><code>Device#enable</code>  | Enables privileged EXEC mode. Enter your password if prompted. |
| <b>Step 2</b> | <b>show wireless profile policy detailed</b><br><i>policy-profile-name</i><br><br><b>Example:</b><br><code>Device# show wireless profile policy<br/>detailed testqos</code> | Shows policy-profile detailed parameters.                      |

