



# Wireless Auto-QoS

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

## Rollback AutoQoS Configuration (GUI)

### Procedure

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

### Before you begin




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**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.

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**Procedure**

	Command or Action	Purpose
<b>Step 1</b>	<b>enable</b> <b>Example:</b> Device <b>enable</b>	Enables privileged EXEC mode. Enter your password if prompted.
<b>Step 2</b>	<b>clear platform software autoqos config template { enterprise_avc   guest}</b> <b>Example:</b> Device# <b>clear platform software autoqos config template guest</b>	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**

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- 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**.
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## Clearing Wireless AutoQoS Policy Profile

**Procedure**

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

	Command or Action	Purpose
	Device# <code>wireless autoqos policy-profile test-profile mode clear</code>	
<b>Step 4</b>	<p><b>[no] shutdown</b></p> <p><b>Example:</b></p> <pre>no shutdown</pre>	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>	<p><b>enable</b></p> <p><b>Example:</b></p> <pre>Device#enable</pre>	Enables privileged EXEC mode. Enter your password if prompted.
<b>Step 2</b>	<p><b>show wireless profile policy detailed</b></p> <p><i>policy-profile-name</i></p> <p><b>Example:</b></p> <pre>Device# show wireless profile policy detailed testqos</pre>	Shows policy-profile detailed parameters.

