



## Q Commands

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This chapter describes the Cisco NX-OS quality of service (QoS) commands that begin with Q.

# queue-limit

To configure tail drop by setting queue limits on ingress queues, use the **queue-limit** command. To remove a queue limit, use the **no** form of this command.

**queue-limit** *queue-size* **bytes**

**no queue-limit** *queue-size* **bytes**

<b>Syntax Description</b>	<i>queue-size</i>	Queue size threshold (in bytes). The range is from 20480 to 204800. For the Cisco Nexus device, the range is from 20480 to 426880 bytes.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Policy map type network-qos class configuration
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

**Usage Guidelines**

You can use this command to specify or modify the maximum number of packets the queue can hold for a class policy configured in a policy map. The system drops packets that exceed the configured queue-size threshold.

You can use this command only for network-qos class maps that do not have “pause” configured.

**Examples**

This example shows how to assign a queue limit to a policy map network-qos class:

```
switch(config)# policy-map type network-qos my_queue
switch(config-pmap-nq)# class type network-qos nqos_class
switch(config-pmap-nq-c)# queue-limit 20480 bytes
switch(config-pmap-nq-c)#
```

This example shows how to remove a queue limit from a policy map queuing class:

```
switch(config)# policy-map type network-qos my_queue
switch(config-pmap-nq)# class type network-qos nqos_class
switch(config-pmap-nq-c)# no queue-limit 20480 bytes
switch(config-pmap-nq-c)#
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>pause no-drop</b>	Enables pause characteristics on a class referenced in a type network-qos policy map.
	<b>show policy-map</b>	Displays policy maps.



