



Q Commands

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 both ingress and egress 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**

Syntax Description	<i>queue-size</i>	Queue size threshold (in bytes). The range is from 20480 to 204800. For the Cisco Nexus 5548 switch, the range is from 20480 to 426880 bytes.
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Command Default	None
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Command Modes	Policy map type network-qos class configuration
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Command History	Release	Modification
	5.2(1)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.
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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: <pre>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)#</pre>
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This example shows how to remove a queue limit from a policy map queuing class:

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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)#
```

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

