



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 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**

Syntax Description	<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.
Command Default	None	
Command Modes	Policy map type network-qos class configuration	
Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.
Usage Guidelines	<p>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 <i>queue-size</i> threshold.</p> <p>You can use this command only for network-qos class maps that do not have “pause” configured.</p>	
Examples	<p>This example shows how to assign a queue limit to a policy map network-qos class:</p> <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> <p>This example shows how to remove a queue limit from a policy map queuing class:</p> <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)# no queue-limit 20480 bytes switch(config-pmap-nq-c)#</pre>	
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.

