



H Commands

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

hardware profile tcam feature interface-qos limit

To configure the QoS TCAM limit, use the **hardware profile tcam feature interface-qos limit** command.

hardware profile tcam feature interface-qos limit *tcam-size*

Syntax Description	<i>tcam-size</i> Interface QoS TCAM limit. The TCAM size can be from 7- 446 entries.					
Command Default	None					
Command Modes	Global configuration mode					
Command History	<table><tr><th>Release</th><th>Modification</th></tr><tr><td>6.0(2)N1(1)</td><td>This command was introduced.</td></tr></table>		Release	Modification	6.0(2)N1(1)	This command was introduced.
Release	Modification					
6.0(2)N1(1)	This command was introduced.					
Usage Guidelines	No interface policy entry should be present after the interface_qos limit in the QoS region of any TCAM.					
Examples	This example shows how to set the interface QoS TCAM limit to 20 entries: <pre>switch(config)# configure terminal switch(config)# hardware profile tcam feature interface-qos limit 20 switch(config)# show hardware profile tcam feature qos Feature Limit ----- Interface 20 vlan-qos + global-qos 428 switch(config)# copy running-config startup-config</pre>					
Related Commands	<table><tr><th>Command</th><th>Description</th></tr><tr><td>show hardware profile tcam feature qos</td><td>Displays the limits of the QoS TCAMs.</td></tr></table>		Command	Description	show hardware profile tcam feature qos	Displays the limits of the QoS TCAMs.
Command	Description					
show hardware profile tcam feature qos	Displays the limits of the QoS TCAMs.					

hardware unicast voq-limit

To enable the virtual output queuing (VOQ) limit for unicast traffic on a switch, use the **hardware unicast voq-limit** command. To disable the VOQ limit, use the **no** form of this command.

hardware unicast voq-limit

no hardware unicast voq-limit

Syntax Description	This command has no arguments or keywords.
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Command Default	Disabled
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Command Modes	Global configuration mode
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Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Usage Guidelines	To alleviate congestion and blocking, you can use virtual output queuing (VOQ) to prevent one blocked receiver from affecting traffic that is being sent to other noncongested receivers (head-of-line blocking).
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Examples	This example shows how to enable the VOQ limits for unicast packets on a switch:
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```
switch(config)# hardware unicast voq-limit
switch(config)#
```

Related Commands	Command	Description
	hardware multicast disable-slow-port-pruning	Disables slow port pruning on the switch.
	show running-config	Displays the running configuration on a switch.

