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H Commands

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

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hardware multicast disable-slow-port-pruning

To disable slow port pruning on multicast packets, use the **hardware multicast disable-slow-port-pruning** command. To enable show port pruning, use the **no** form of this command.

hardware multicast disable-slow-port-pruning

no hardware multicast disable-slow-port-pruning

Syntax Description This command has no arguments or keywords.

Command Default Enabled

Command Modes Global configuration mode

Command History	Release	Modification
	5.0(2)N1(1)	This command was introduced.

Usage Guidelines



Note

This command is applicable to only Cisco Nexus 5548 switches.

Examples

This example shows how to disable slow port pruning for multicast packets on a switch:

```
switch(config)# hardware multicast disable-slow-port-pruning
switch(config)#
```

Related Commands

Command	Description
hardware unicast voq-limit	Enables the VOQ limit.
show running-config	Displays the running configuration on a switch.

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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	Release	Modification
	5.1(3)N2(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	<p>This example shows how to set the interface QoS TCAM limit to 20 entries:</p> <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	Command	Description
	show hardware profile tcam feature qos	Displays the limits of the QoS TCAMs.

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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.

Command Default Disabled

Command Modes Global configuration mode

Command History	Release	Modification
	5.0(2)N1(1)	This command was introduced.

Usage Guidelines



Note

This command is applicable to only Cisco Nexus 5548 switches.

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).

Examples This example shows how to enable the VOQ limits for unicast packets on a switch:

```
switch(config)# hardware unicast voq-limit
switch(config)#
```

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