



New and Changed Information

This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 3000 Series NX-OS Quality of Service Command Reference*. The latest version of this document is available at the following Cisco website:

http://www.cisco.com/en/US/products/ps11541/tsd_products_support_series_home.html

To check for additional information about this Cisco NX-OS Release, see the *Cisco Nexus 3000 Series Switch Release Notes* available at the following Cisco website:

http://www.cisco.com/en/US/products/ps11541/prod_release_notes_list.html

Table 1 summarizes the new and changed features for Cisco NX-OS Release 5.x and tells you where they are documented.

Table 1 *New and Changed Information*

Feature	Description	Changed in Release	Where Documented
Non-ECN capable behavior enhancement	The congestion-control random-detect forward-nonecn command was introduced.	6.0(2)U6(7)	congestion-control random-detect forward-nonecn
Switch prompt	A new switch prompt is displayed after entering class type network-qos class-default	7.0(3)I2(1)	class type network-qos
Switch prompt	A new switch prompt is displayed after entering policy-map type network-qos .	7.0(3)I2(1)	policy-map type network-qos
Configuring Network QoS Policy	The show class-map type network-qos command was updated.	7.0(3)I2(1)	show class-map type network-qos
Configuring class maps	The show class-map type qos command was updated.	7.0(3)I2(1)	show class-map type qos
Configuring Priority Flow Control	The show interface priority-flow-control command was updated.	7.0(3)I2(1)	show interface priority-flow-control
Configuring Priority Flow Control	The show interface priority-flow-control detail command was updated.	7.0(3)I2(1)	show interface priority-flow-control detail
Monitoring QoS Statistics	The show policy-map interface command was updated.	7.0(3)I2(1)	show policy-map interface
Monitoring QoS Statistics	The show policy-map command was updated.	7.0(3)I2(1)	show policy-map

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Feature	Description	Changed in Release	Where Documented
Monitoring QoS Statistics	The show policy-map system command was updated.	7.0(3)I2(1)	show policy-map system
Queuing Information for Interfaces.	The show queuing interface command was updated.	7.0(3)I2(1)	show queuing interface
Queuing Information for Interfaces.	The show queuing command was updated.	7.0(3)I2(1)	show queuing
IP QoS	The show running-configuration ipqos command was updated.	7.0(3)I2(1)	show running-config ipqos
Queuing Information for Interfaces.	The show queuing command was introduced.	6.0(2)U4(1)	show queuing
Priority Group Mapping	The pause priority-group command was introduced.	6.0(2)U2(1)	pause priority-group
Queue Limit Configuration	The queue-limit command was introduced.	6.0(2)U2(1)	queue-limit
Pause No-Drop	The pause no-drop command was introduced.	6.0(2)U2(1)	pause no-drop
Buffer Size Configuration	The pause buffer-size command was introduced.	6.0(2)U2(1)	pause buffer-size
ECN Thresholds	The random-detect command was enhanced with three more command options.	6.0(2)U2(1)	random-detect
Support for three strict priority levels	The priority level command was added.	6.0(2)U2(1)	priority level
Traffic Shaping	The shape command was enhanced with the option for a minimum guaranteed bandwidth.	6.0(2)U2(1)	shape
Priority Flow Control	This feature was introduced	6.0(2)U2(1)	priority level show interface priority-flow-control hardware profile pfc mmu buffer-reservation priority-flow-control mode
Traffic Shaping	This feature was introduced	5.0(3)U5(1d)	shape
MTU	The device generates a syslog message when the Layer 3 MTU size is increased to 1500 bytes or greater.	5.0(3)U4(1)	mtu (interface)
Enhanced ECN marking	This feature was introduced.	5.0(3)U4(1)	congestion-control random-detect global-buffer wred-queue qos-group-map queue-only

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Feature	Description	Changed in Release	Where Documented
ERSPAN	This feature was introduced.	5.0(3)U2(2)	hardware profile pfc mmu buffer-reservation ip ttl (ERSPAN) mtu (ERSPAN)
Control plane policing (CoPP)	This feature was introduced.	5.0(3)U2(1)	class (control plane policy map) class-map type control-plane clear copp statistics control-plane pause buffer-size policy-map type control-plane service-policy (control-plane) show class-map type control-plane show copp status show policy-map interface control-plane show policy-map type control-plane show running-config copp show startup-config copp
Switch profile	This feature was introduced to create switch profiles. Several Ethernet and QoS commands can also be configured in a switch profile.	5.0(3)U2(1)	Quality of Service Commands
Quality of service (QoS)	This feature was introduced. You can configure policy maps, class maps, service policies, weighted round robin (WRR) QoS groups to egress queues, or classify QoS traffic based on IP header information.	5.0(3)U1(1)	Quality of Service Commands

