



New and Changed Information

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See the following sections:

Feature	Description	Added or Changed in Release	Where Documented
DSCP Wildcard Mask	Support for an additional filter when classifying traffic that is based on the DSCP value.	7.0(3)I7(9)	Configuring a DSCP Wildcard Mask
Enabling syslog messages to account packet drops	Support to enable syslog messages to account packet drops on multicast queues for no-drop class.	7.0(3)I7(8)	Guidelines and Limitations for Priority Flow Control
Write message to syslog when queue is stuck	Support to write message to syslog when queue is stuck.	7.0(3)I7(4)	Guidelines and Limitations for Priority Flow Control
Drop PFC traffic and all PAUSE frames	Support to drop PFC traffic and drop all PAUSE frames.	7.0(3)I7(4)	Guidelines and Limitations for Priority Flow Control
Configure PFC watchdog timers and multiplier per interface	Support to configure PFC watchdog timers and multiplier per interface.	7.0(3)I7(4)	Configuring a Priority Flow Control Watchdog Interval
Drop multicast/broadcast traffic on no-drop configured class	Support to drop multicast/broadcast traffic on no-drop configured class.	7.0(3)I7(4)	Guidelines and Limitations for Priority Flow Control

Feature	Description	Added or Changed in Release	Where Documented
Create log entry when PFC is received on lossy group.	Support to create log entry when PFC is received on lossy (non-configured) group.	7.0(3)I7(4)	Guidelines and Limitations for Priority Flow Control
Enable log-only option for PFC	Support for Enable log-only option for PFC.	7.0(3)I7(4)	Configuring a Priority Flow Control Watchdog Interval
PFC watchdog Ingress drops:	Added support to count both egress and ingress drops using the show command on Cisco Nexus 3000 Series switches.	7.0(3)I6(1)	Configuring a Priority Flow Control Watchdog Interval
Ingress and egress policing	Added ingress and egress policing support	7.0(3)I5(1)	Guidelines and Limitations
DCBX Support	Changed the behaviour of the no lldp tlv-select dcbxp command is enhanced so that the PFC is disabled for interfaces on both sides of back-to-back switches	7.0(3)I4(2)	Priority Flow Control, Guidelines and Limitations
Two additional options, module and summary displayed in the output of the show queuing interface ethernet slot/chassis_number command.	The show queuing interface ethernet slot/chassis_number command displays two more options: module and summary in the output. These additional options do not have any functionality impact.	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations
New switch prompt for policy-map type network-qos is <code>switch(config-pmap-nqos)#</code> .	The switch prompt for policy-map type network-qos was <code>switch(config-pmap-nq)#</code> in earlier releases. The new switch prompt for policy-map type network-qos is <code>switch(config-pmap-nqos)#</code> .	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations Verifying the QoS Configuration Enabling the Jumbo MTU Enabling Priority Flow Control on a Traffic Class

Feature	Description	Added or Changed in Release	Where Documented
The network-qos class-map is automatically created when it is used in the policy-map.	If a non-existing class is configured under a policy-map for network-qos, a new class-map is created and the prompt changes from (config-pmap-nqos) to (config-cmap-nqos).	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations
Updated the output of the command show queuing interface .	The command show queuing interface displays the queues even without applying the network-qos policy.	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations
The output of the show queuing interface command displays an additional option.	The output of the show queuing interface command displays an option for the internal HiGig2 interface. These interfaces are not relevant and the additional option does not have any functional impact.	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations
Updated the output format and the fields of show policy-map interface <> type queuing CLI command.	The output format and the fields of show policy-map interface <> type queuing CLI command have been updated. For Class-map (queuing), the following fields are displayed: policy, bandwidth percent, queue dropped packets, and queue depth in bytes.	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations

Feature	Description	Added or Changed in Release	Where Documented
Removing the default bandwidth configuration sets the bandwidth to the default value 100%.	Removing the default bandwidth configuration from the default queuing class used to set the bandwidth to 50% in prior releases. Removing the default bandwidth configuration sets the bandwidth to the default value, 100%. You can set the bandwidth to 50% by configuring the CLI command bandwidth percent 50 .	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations
Configuring priority levels 2 and 3 in the pmap configuration.	Prior to Release 7.0(3)I2(1), only priority level 1 was supported in the pmap configuration. Starting with Release 7.0(3)I2(1), you can configure priority levels 2 and 3 in the pmap configuration.	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations
Updated output format and the fields of the show queuing interface eth <> CLI command.	The output format and the fields of the show queuing interface eth <> CLI command have been updated. The output displays all qos-groups, control qos group, SPAN qos-group, and pfc statistics. The xon drops, xoff drops, and the HW MTU fields are not displayed in the new format.	7.0(3)I2(1)	QoS Configuration Guidelines and Limitations Verifying the Jumbo MTU
Reserving mmu-buffer for Priority Flow Control.	Reserve the mmu-buffer for Priority Flow Control.	7.0(3)I2(1)	Reserving mmu-buffer for PFC
Displaying the configured HW MTU for the qos-groups.	Use the show policy-map system type network-qos command to display the configured HW MTU for the qos-groups.	7.0(3)I2(1)	Verifying the Jumbo MTU

Feature	Description	Added or Changed in Release	Where Documented
Updated MTU values	Updated MTU values on 10-Gigabit ports and on 40-Gigabit ports.	7.0(3)I2(1)	Configuring Pause Buffer Thresholds and Priority Groups

