



New and Changed QoS Features

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Table 1: QoS Features Added or Modified in IOS XR Release 7.3.x

Feature	Description	Changed in Release	Where Documented
Classifying Packets Based On MPLS Experimental Bits in MPLS Over GRE	For MPLS over GRE scenarios that tunnel MPLS traffic over non-MPLS networks, you can now perform QoS classification for specific traffic or applications based on MPLS EXP bit field values in the MPLS header.	Release 7.3.4	Classifying Packets Based On MPLS Experimental Bits in MPLS Over GRE
Configure ECN Maximum Marking Probability	This feature allows you to configure percentages for ECN maximum marking probability after considering your network congestion and end-to-end application needs.	Release 7.3.3	Configure ECN Maximum Marking Probability
Priority Flow Control	This feature is a link-level flow control mechanism that enables you to selectively pause traffic based on its class of service (CoS).	Release 7.3.2	Priority Flow Control Overview

Feature	Description	Changed in Release	Where Documented
Monitoring and Logging Packet Drops on Lossless PFC-Enabled Queues	In case of packet drops on lossless PFC-enabled queues that also have the PFC Watchdog feature enabled, this functionality generates syslogs in 10-minute intervals.	Release 7.3.2	Monitoring and Logging Packet Drops on Lossless PFC-Enabled Queues
Scaling of unique ingress policy maps	This feature allows you to share a single instance of QoS policy across multiple sub-interfaces, allowing for aggregate shaping of the sub-interfaces to one rate.	Release 7.3.1	Scaling of Unique Ingress Policy Maps
Cisco NC57 compatibility mode: QoS enablement on Layer 2 MPLS/BGP	This feature is now supported on routers that have the Cisco NC57 line cards installed and operate in the compatibility mode.	Release 7.3.1	This feature is available for the following QoS operations: <ul style="list-style-type: none"> • Packet Classification Overview • Modular QoS Congestion Avoidance • Configuring Modular QoS Congestion Management • Configure QoS on Link Bundles • QoS on Link Bundles
Shared Policy Instance	This feature allows you to share a single instance of QoS policy across multiple sub-interfaces, allowing for aggregate shaping of the sub-interfaces to one rate.	Release 7.3.1	Shared Policy Instance
4K Pseudowire on bundle with QoS enhancement	With this feature you can configure a desired traffic policy, to which your network complies, by using the bandwidth management technique of two-level traffic shaping.	Release 7.3.1	4K Pseudowire on Bundle with QoS Enhancement