New and Changed QoS Features

New and Changed QoS Features

Table 1: QoS Features Added or Modified in IOS XR Release 7.5.x

Feature	Description	Changed in Release	Where Documented
PFC Watchdog Statistics to Monitor Traffic Drops	This feature was introduced.	Release 7.5.4	PFC Watchdog Statistics to Monitor Traffic Drops
Global Pause Frames for High Bandwidth Memory Congestion	This feature was introduced.	Release 7.5.4	Global Pause Frames for High Bandwidth Memory Congestion
View Priority Flow Control TX Frames Per Traffic Class	This feature was introduced.	Release 7.5.4	View Priority Flow Control TX Frames Per Traffic Class
Configurable ECN Threshold and Maximum Marking Probability Values	This feature was introduced.	Release 7.5.4	Configurable ECN Threshold and Maximum Marking Probability Values
Mark IP DSCP and MPLS EXP Values for IP to MPLS Traffic	This feature was introduced.	Release 7.5.4	Mark IP DSCP and MPLS EXP Values for IP to MPLS Traffic
Priority Flow Control on Cisco 8808 and Cisco 8812 Modular Chassis Line Cards	Priority Flow Control is now supported on additional Cisco 8808 and Cisco 8812 Modular Chassis Line Cards .	Release 7.5.3	Priority Flow Control Overview

Feature	Description	Changed in Release	Where Documented
Detect High Bandwidth Memory Congestion	We provide detailed insights into congestion on the High Bandwidth Memory (HBM) write channel, such as the devices on which congestion has occurred, the time stamps, and when the device returned to its normal state.	Release 7.5.3	Detect High Bandwidth Memory Congestion
QoS Policy Propagation via BGP	You now have the ability to install a BGP route in the routing table with a QoS Group so that IP packets that match the route receive the QoS policies associated with the QoS group.	Release 7.5.2	QoS Policy Propagation via BGP (QPPB)