Overview

Cisco Nexus 5000 Series switches support the Quality of Service features that are described in this guide.

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This document describes the configurable Cisco Nexus 5000 Series NX-OS Quality of Service (QoS) features. You use the QoS features to provide the most desirable flow of traffic through a network. QoS allows you to classify the network traffic, police and prioritize the traffic flow, and provide congestion avoidance. The control of traffic is based on the fields in the packets that flow through the system. You use the Modular QoS CLI (MQC) to create the traffic classes and policies of the QoS features.

QoS features are applied using QoS policies and queuing policies, as follows:

- QoS policies include classification and marking features.

- Queuing policies use the queuing and scheduling features.

- Network QoS policies include configuring MTU, no-drop, and queue-limit.