



## Overview

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## Quality of Service Overview

This document describes the configurable Cisco 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, 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 maximum transmission unit (MTU).

## Licensing Requirements

For a complete explanation of Cisco NX-OS licensing recommendations and how to obtain and apply licenses, see the [Cisco NX-OS Licensing Guide](#) and the [Cisco NX-OS Licensing Options Guide](#).

## Supported Platforms

Starting with Cisco NX-OS release 7.0(3)I7(1), use the [Nexus Switch Platform Support Matrix](#) to know from which Cisco NX-OS releases various Cisco Nexus 9000 and 3000 switches support a selected feature.

