



## Preface

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The Quality of Service (QoS) Configuration document describes the features that are used to prevent traffic congestion, and provides procedures to configure these features.

## Audience

This guide is for network administrators with the following experience and knowledge:

- An understanding of virtualization
- Using VMware tools to configure a vswitch



**Note**

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Knowledge of VMware vNetwork Distributed Switch is not a prerequisite.

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## Organization

This publication is organized as follows:

Chapter	Description
<a href="#">Chapter 1, “Overview”</a>	Provides an overview of QoS features and lists supported RFPs.
<a href="#">Chapter 2, “Configuring QoS Classification”</a>	Describes how to classify network traffic.
<a href="#">Chapter 3, “Configuring QoS Marking Policies”</a>	Describes how to mark network traffic.
<a href="#">Chapter 4, “Configuring QoS Policing”</a>	Describes how to police network traffic.
<a href="#">Chapter 5, “Monitoring QoS Statistics”</a>	Describes how to enable and view QoS statistics.
<a href="#">Chapter 6, “Configuring Class Based Weighted Fair Queuing”</a>	Describes how to configure Class Based Weighted Fair Queuing.
<a href="#">Appendix 7, “DSCP and Precedence Values”</a>	Provides the DSCP and precedence values used in QoS class maps and policy maps.
<a href="#">Appendix 8, “QoS Configuration Limits”</a>	Provides information about limitations in configuring QoS.

# Document Conventions

This publication uses the following conventions:

Command descriptions use these conventions:

<b>boldface font</b>	Commands and keywords are in boldface.
<i>italic font</i>	Arguments for which you supply values are in italics.
{ }	Elements in braces are required choices.
[ ]	Elements in square brackets are optional.
x   y   x	Alternative, mutually exclusive elements are separated by vertical bars.

Screen examples use these conventions:

screen font	Terminal sessions and information that the switch displays are in screen font.
<b>boldface screen font</b>	Information that you must enter is in boldface screen font.
<i>italic screen font</i>	Arguments for which you supply values are in italic screen font.
< >	Nonprinting characters, such as passwords, are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or number sign (#) at the beginning of a line of code indicates a comment line.



## Note

Means reader *take note*. Notes contain helpful suggestions or references to material not covered in the manual.



## Caution

Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

# Recommended Reading

Before configuring this feature in the Cisco Nexus 1000V, we recommend that you read and become familiar with the following documentation:

- *Cisco Nexus 1000V Getting Started Guide, Release 4.2(1)SV1(5.1)*
- *Cisco Nexus 1000V Port Profile Configuration Guide, Release 4.2(1)SV1(5.1)*
- *Cisco VN-Link: Virtualization-Aware Networking white paper*