



Preface

This preface describes the audience, organization, and conventions of the *Cisco Nexus 7000 Series NX-OS Quality of Service Configuration Guide, Release 4.2*. It also provides information on how to obtain related documentation.

This chapter includes the following sections:

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Audience

This guide is for experienced network administrators who configure and maintain NX-OS devices.

Organization

This publication is organized as follows:

Chapter	Description
Chapter 1, “Overview”	Provides an overview of QoS features.
Chapter 2, “Using Modular QoS CLI”	Describes how to use CPL to define QoS policies.
Chapter 3, “Configuring Classification”	Describes how to configure the classification feature.
Chapter 4, “Configuring Marking”	Describes how to configure the marking feature.
Chapter 5, “Configuring Mutation Mapping”	Describes how to configure the mutation feature.
Chapter 6, “Configuring Policing”	Describes how to configure the policing feature.
Chapter 7, “Configuring Queuing and Scheduling”	Describes how to configure the queuing and scheduling feature.
Chapter 8, “Monitoring QoS Statistics”	Describes how to view QoS statistics.

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Chapter	Description
Appendix A, “Configuration Limits for Cisco NX-OS Quality of Service Configuration Features, Release 4.2”	Lists information related to numerical limitations in implementing QoS.
Appendix 9, “Additional References”	Lists related documents and RFCs, as well as how to get Cisco support help.

Document Conventions

This publication uses the following conventions:



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.



Tip

Means *the following information will help you solve a problem*.

Command descriptions use these conventions:

boldface font	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.
boldface screen font	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.

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Related Documentation

Cisco NX-OS documentation is available at the following URL:

http://www.cisco.com/en/US/products/ps9372/tsd_products_support_series_home.html

The documentation set for Cisco NX-OS includes the following documents:

Release Notes

Cisco Nexus 7000 Series NX-OS Release Notes, Release 4.2

NX-OS Configuration Guides

Cisco Nexus 7000 Series NX-OS Getting Started with Virtual Device Contexts, Release 4.2

Cisco Nexus 7000 Series NX-OS Fundamentals Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Interfaces Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Layer 2 Switching Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Quality of Service Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Unicast Routing Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Multicast Routing Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Security Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Virtual Device Context Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Software Upgrade and Downgrade Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS Licensing Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS High Availability and Redundancy Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS System Management Configuration Guide, Release 4.2

Cisco Nexus 7000 Series NX-OS XML Management Interface User Guide, Release 4.2

Cisco NX-OS System Messages Reference

Cisco Nexus 7000 Series NX-OS MIB Quick Reference

NX-OS Command References

Cisco Nexus 7000 Series NX-OS Command Reference Master Index, Release 4.2

Cisco Nexus 7000 Series NX-OS Fundamentals Command Reference, Release 4.2

Cisco Nexus 7000 Series NX-OS Interfaces Command Reference, Release 4.2

Cisco Nexus 7000 Series NX-OS Layer 2 Switching Command Reference, Release 4.2

Cisco Nexus 7000 Series NX-OS Quality of Service Command Reference, Release 4.2

Cisco Nexus 7000 Series NX-OS Unicast Routing Command Reference, Release 4.2

Cisco Nexus 7000 Series NX-OS Multicast Routing Command Reference, Release 4.2

Cisco Nexus 7000 Series NX-OS Security Command Reference, Release 4.2

Cisco Nexus 7000 Series NX-OS Virtual Device Context Command Reference, Release 4.2

Cisco NX-OS High Availability and Redundancy Command Reference, Release 4.2

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Cisco Nexus 7000 Series NX-OS System Management Command Reference, Release 4.2

Other Software Document

Cisco Nexus 7000 Series NX-OS Troubleshooting Guide, Release 4.x

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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