



## Preface

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This preface describes the audience, organization, and conventions of the *Cisco Nexus 1000V Quality of Service Configuration Guide, Release 4.0(4)SV1(2)* and describes how to obtain related documentation.

## 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="#">Appendix 6, “DSCP and Precedence Values”</a>      | Provides the DSCP and precedence values used in QoS class maps and policy maps. |
| <a href="#">Appendix 7, “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 4.0(4)SV1(2)*
- *Cisco Nexus 1000V Port Profile Configuration Guide, Release 4.0(4)SV1(2)*
- *Cisco VN-Link: Virtualization-Aware Networking white paper*

# Obtaining Documentation and Submitting a Service Request

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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