



## Preface

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This preface describes the audience, organization, and conventions of the *Cisco Nexus 5000 Series NX-OS Quality of Service Configuration Guide*. It also provides information on how to obtain related documentation.

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## Audience

This publication is for experienced network administrators who configure and maintain Cisco Nexus 5000 Series switches and Cisco Nexus 2000 Series Fabric Extenders.

## Document Organization

This document is organized into the following chapters:

Chapter	Description
<b>New and Changed Information</b>	Describes the new and changed information for the new Cisco NX-OS software releases.
<b>Overview</b>	Describes the Quality of Service features supported by the Cisco NX-OS software.
<b>Configuring Quality of Service</b>	Describes Quality of Service, guidelines and limitations, and information about how to configure the Quality of Service feature.

# Document Conventions

Command descriptions use the following conventions:

Convention	Description
<b>bold</b>	Bold text indicates the commands and keywords that you enter literally as shown.
<i>Italic</i>	Italic text indicates arguments for which the user supplies the values.
[x]	Square brackets enclose an optional element (keyword or argument).
[x   y]	Square brackets enclosing keywords or arguments separated by a vertical bar indicate an optional choice.
{x   y}	Braces enclosing keywords or arguments separated by a vertical bar indicate a required choice.
[x {y   z}]	Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element.
<i>variable</i>	Indicates a variable for which you supply values, in context where italics cannot be used.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.

Examples use the following conventions:

Convention	Description
screen font	Terminal sessions and information the switch displays are in screen font.
<b>boldface screen font</b>	Information 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 a pound sign (#) at the beginning of a line of code indicates a comment line.

This document 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.

## Related Documentation for Cisco Nexus 5000 Series NX-OS Software

The entire Cisco NX-OS 5000 Series documentation set is available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/tsd-products-support-series-home.html>

### Release Notes

The release notes are available at the following URL:

[http://www.cisco.com/en/US/products/ps9670/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_release_notes_list.html)

### Configuration Guides

These guides are available at the following URL:

[http://www.cisco.com/en/US/products/ps9670/products\\_installation\\_and\\_configuration\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps9670/products_installation_and_configuration_guides_list.html)

The documents in this category include:

- *Adapter-FEX Configuration Guide*
- *Cisco Fabric Manager Configuration Guide*
- *Cisco Nexus 5000 Series NX-OS Software Configuration Guide*
- *Configuration Limits for Cisco NX-OS*
- *FabricPath Configuration Guide*
- *Fibre Channel over Ethernet Configuration Guide*
- *Layer 2 Switching Configuration Guide*
- *Multicast Routing Configuration Guide*
- *Operations Guide*
- *SAN Switching Configuration Guide*
- *Quality of Service Configuration Guide*
- *Security Configuration Guide*
- *System Management Configuration Guide*

- *Unicast Routing Configuration Guide*

### **Maintain and Operate Guides**

Cisco Nexus 5000 Series NX-OS Operations Guides for various features are available at [http://www.cisco.com/en/US/products/ps9670/prod\\_maintenance\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_maintenance_guides_list.html).

### **Installation and Upgrade Guides**

These guides are available at the following URL:

[http://www.cisco.com/en/US/products/ps9670/prod\\_installation\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_installation_guides_list.html)

The documents in this category include:

- *Cisco Nexus 5000 Series Hardware Installation*
- *Software Upgrade and Downgrade Guides*
- *Regulatory Compliance and Safety Information*

### **Licensing Guide**

The *License and Copyright Information for Cisco NX-OS Software* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/sw/4\\_0/nx-os/license\\_agreement/nx-ossw\\_lisns.html](http://www.cisco.com/en/US/docs/switches/datacenter/sw/4_0/nx-os/license_agreement/nx-ossw_lisns.html).

### **Command References**

These guides are available at the following URL:

[http://www.cisco.com/en/US/products/ps9670/prod\\_command\\_reference\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_command_reference_list.html)

The documents in this category include:

- *Command Reference Master Index*
- *Fabric Extender Command Reference*
- *FabricPath Command Reference*
- *Fibre Channel Command Reference*
- *Fundamentals Command Reference*
- *Layer 2 Interfaces Command Reference*
- *Multicast Routing Command Reference*
- *QoS Command Reference*
- *Security Command Reference*
- *System Management Command Reference*
- *TrustSec Command Reference*
- *Unicast Routing Command Reference*
- *vPC Command Reference*

**Technical References**

The *Cisco Nexus 5000 and Cisco Nexus 2000 MIBs Reference* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/mib/reference/NX5000\\_MIBRef.html](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/mib/reference/NX5000_MIBRef.html).

**Error and System Messages**

The *Nexus 5000 Series NX-OS System Message Reference* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/system\\_messages/reference/sl\\_nxos\\_book.html](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/system_messages/reference/sl_nxos_book.html).

**Troubleshooting Guide**

The *Cisco Nexus 5000 Series Troubleshooting Guide* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/troubleshooting/guide/N5K\\_Troubleshooting\\_Guide.html](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/troubleshooting/guide/N5K_Troubleshooting_Guide.html).

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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