



## Preface

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This preface describes the audience, organization, and conventions of the *Cisco Nexus 3000 Series NX-OS Layer 2 Switching 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 NX-OS software.

## Document Organization

This document is organized into the following chapters:

Chapter	Description
<b>Overview</b>	Describes the Layer 2 documented features.
<b>Configuring Ethernet Interfaces</b>	Provides information about Ethernet interfaces and describes configuration procedures.
<b>Configuring VLANs</b>	Provides details on configuring VLANs.
<b>Configuring Private VLANs</b>	Provides information on configuring private VLANs.
<b>Configuring Access and Trunk Interfaces</b>	Provides information about access ports or trunk ports and describes configuration procedures.
<b>Configuring EtherChannels</b>	Provides information about EtherChannels, compatibility requirements, and configuration information.

Chapter	Description
<b>Configuring Rapid PVST+</b>	Provides information on IEEE 802.1D STP and complete details for configuring Rapid PVST+.
<b>Configuring Multiple Spanning Tree</b>	Provides complete information on configuring MST.
<b>Configuring STP Extensions</b>	Provides details on configuring the Cisco-proprietary STP extensions Bridge Assurance, BPDU Guard, BPDU Filtering, Loop Guard, Root Guard, and PVST Simulation.
<b>Configuring Link Layer Discovery Protocol</b>	Provides information to configure the Link Layer Discovery Protocol (LLDP).
<b>Configuring the MAC Address Table</b>	Provides information about MAC addresses, how to configure static MAC addresses, and how to update the MAC address table.
<b>Configuring IGMP Snooping</b>	Provides information about IGMPv1, IGMPv2, and IGMPv3 and describes how to configure IGMP snooping parameters.
<b>Configuring Traffic Storm Control</b>	Provides information about traffic storm control, guidelines and limitations, and how to configure the traffic storm control settings.

## 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.
variable	Indicates a variable for which you supply values, in context where italics cannot be used.

Convention	Description
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
<code>screen font</code>	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 Nexus 3000 Series NX-OS Software

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

[http://www.cisco.com/en/US/products/ps11541/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps11541/tsd_products_support_series_home.html)

The documentation set for the Cisco Nexus 3000 Series NX-OS software includes the following documents:

### Release Notes

- *Cisco Nexus 3000 Series Switch Release Notes*

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

[http://www.cisco.com/en/US/products/ps9670/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps9670/tsd_products_support_series_home.html)

The documentation set for the Cisco Nexus 3000 Series NX-OS software includes the following documents:

**Configuration Guides**

- *Cisco Nexus 3000 Series NX-OS Configuration Limits*
- *Cisco Nexus 3000 Series NX-OS Layer 2 Switching Configuration Guide*
- *Cisco Nexus 3000 Series NX-OS Fundamentals Configuration Guide*
- *Cisco Nexus 3000 Series NX-OS System Management Configuration Guide*
- *Cisco Nexus 3000 Series NX-OS Unicast Routing Configuration Guide*
- *Cisco Nexus 3000 Series NX-OS Multicast Configuration Guide*

**Installation and Upgrade Guides**

- *Cisco Nexus 3000 Series Hardware Installation Guide*
- *Regulatory Compliance and Safety Information for the Cisco Nexus 3000 Series Switches*

**Licensing Guide**

- *Cisco NX-OS Licensing Guide*

**Command References**

- *Cisco Nexus 3000 Series Command Reference*

**Technical References**

- *Cisco Nexus 3000 Series MIBs Reference*

**Error and System Messages**

- *Cisco NX-OS System Messages Reference*

**Troubleshooting Guide**

- *Cisco Nexus 3000 Series Troubleshooting Guide*

# 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>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

