



Preface

This preface describes the audience, organization, and conventions of the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide*. It also provides information on how to obtain related documentation.

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Audience

This preface describes the audience, organization, and conventions of the . It also provides information on how to obtain related documentation.

Document Organization

This document is organized into the following chapters:

Chapter	Description
New and Changed Information	Describes the new and changed information for the new Cisco NX-OS software releases.
Overview	Describes the layer 2 documented features.
Configuring Ethernet Interfaces	Describes Ethernet interfaces and provides details on how to configure them.
Configuring VLANs	Provides details on configuring VLANs.
Configuring Private VLANs	Provides information on configuring private VLANs.
Configuring Access and Trunk Interfaces	Provides information about access ports or trunk ports and describes configuration procedures.

Chapter	Description
Configuring EtherChannels	Provides information about EtherChannels, compatibility requirements, and configuration information.
Configuring Virtual Port Channels	Provides information about vPCs, domains, guidelines and limitations, peer links, and configuration information.
Configuring Rapid PVST+	Provides information on IEEE 802.1D STP and complete details for configuring Rapid PVST+.
Configuring Multiple Spanning Tree	Provides complete information on configuring MST.
Configuring STP Extensions	Provides details on configuring the Cisco-proprietary STP extensions Bridge Assurance, BPDU Guard, BPDU Filtering, Loop Guard, Root Guard, and PVST Simulation.
Configuring the MAC Address Table	Provides information about MAC addresses, how to configure static MAC addresses, and how to update the MAC address table.
Configuring IGMP Snooping	Provides information about IGMPv1, IGMPv2, and IGMPv3 and describes how to configure IGMP snooping parameters.
Configuring Traffic Storm Control	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
bold	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.
<code>variable</code>	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.

Screen examples use the following conventions:

Convention	Description
screen font	Terminal sessions and information the switch displays are in screen font.
boldface screen font	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 5000 Series NX-OS Software

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

http://www.cisco.com/en/US/products/ps9670/tsd_products_support_series_home.html

The documentation set for the Cisco Nexus 5000 Series NX-OS software includes the following documents:

Release Notes

- *Cisco Nexus 5000 Series and Cisco Nexus 2000 Series Release Notes*
- *Cisco Nexus 5000 Series Switch Release Notes*

Cisco Nexus 5000 Series NX-OS Configuration Guides

- *Cisco Nexus 5000 Series NX-OS Fibre Channel over Ethernet Configuration Guide*

- *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide*
- *Cisco Nexus 5000 Series NX-OS Quality of Service Configuration Guide*
- *Cisco Nexus 5000 Series NX-OS SAN Switching Configuration Guide*
- *Cisco Nexus 5000 Series NX-OS Security Configuration Guide*
- *Cisco Nexus 5000 Series NX-OS System Management Configuration Guide*
- *Cisco Nexus 5000 Series Switch CLI Software Configuration Guide*
- *Cisco Nexus 5000 Series Fabric Manager Configuration Guide, Release 3.4(1a)*

Installation and Upgrade Guides

- *Cisco Nexus 5000 Series Hardware Installation Guide*
- *Regulatory Compliance and Safety Information for the Cisco Nexus 5000 Series*

Cisco NX-OS Command References

- *Cisco Nexus 5000 Series Command Reference*

Cisco NX-OS Technical References

- *Cisco Nexus 5000 MIBs Reference*

Cisco NX-OS Error and System Messages

- *Cisco NX-OS System Messages Reference*

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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