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.

- Audience, page i
- Document Organization, page i
- Document Conventions, page ii
- Related Documentation for Nexus 5000 Series NX-OS Software, page ii
- Obtaining Documentation and Submitting a Service Request, page iv

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
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	Provides information about Ethernet interfaces and describes configuration procedures.
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 Link Layer Discovery Protocol	Provides information to configure the Link Layer Discovery Protocol (LLDP).
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

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.htmll

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*

Configuration Guides

- *Cisco Nexus 5000 Series NX-OS Configuration Limits for Cisco NX-OS Release 5.0(2)N1(1)*
- *Cisco Nexus 5000 Series NX-OS Configuration Limits for Cisco NX-OS Release 4.2(1)N1(1) and Release 4.2(1)N2(1)*
- *Cisco Nexus 5000 Series NX-OS Multicast Configuration Guide*
- *Cisco Nexus 5000 Series NX-OS Unicast Configuration Guide*
- *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 NX-OS Software Configuration Guide*
- *Cisco Nexus 5000 Series Fabric Manager Configuration Guide, Release 3.4(1a)*
- *Cisco Nexus 2000 Series Fabric Extender NX-OS Release 4.2(1) Configuration Guide*

Maintain and Operate Guide

- *Cisco Nexus 5000 Series Operations Guide*

Installation and Upgrade Guides

- *Cisco Nexus 5000 Series and Cisco Nexus 5500 Platform Hardware Installation Guide*
- *Cisco Nexus 5000 Series NX-OS Software Upgrade and Downgrade Guide, Release 4.2(1)N1(1)*
- *Regulatory Compliance and Safety Information for the Cisco Nexus 5000 Series Switches and Cisco Nexus 2000 Series Fabric Extenders*

Licensing Guide

- *Cisco NX-OS Licensing Guide*

Command References

- *Cisco Nexus 5000 Series Command Reference*

Technical References

- *Cisco Nexus 5000 Series and Cisco Nexus 2000 Series Fabric Extender MIBs Reference*

Error and System Messages

- *Cisco NX-OS System Messages Reference*

Troubleshooting Guide

- *Cisco Nexus 5000 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.