



## 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
<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 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.

Chapter	Description
<b>Configuring EtherChannels</b>	Provides information about EtherChannels, compatibility requirements, and configuration information.
<b>Configuring Virtual Port Channels</b>	Provides information about vPCs, domains, guidelines and limitations, peer links, and configuration information.
<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

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](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*

**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 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.