



# Preface

---

This preface describes the audience, organization, and conventions of the *Cisco Nexus 3548 Switch NX-OS Multicast Routing Configuration Guide, Release 6.x*. It also provides information on how to obtain related documentation.

This chapter includes the following sections:

- [Audience, page i](#)
- [Supported Switches, page i](#)
- [Organization, page ii](#)
- [Document Conventions, page ii](#)
- [Related Documentation for Nexus 3548 Switch NX-OS Software, page iii](#)
- [Documentation Feedback, page iv](#)
- [Obtaining Documentation and Submitting a Service Request, page v](#)

## Audience

To use this guide, you must be familiar with IP and routing technology.

## Supported Switches

This section includes the following topics:

- [Cisco Nexus 3548 Platform Switches, page i](#)

## Cisco Nexus 3548 Platform Switches

[Table 1](#) describes the Cisco Nexus 3548 switch.



### Note

For more information about the Cisco Nexus 3000 Series, see the *Cisco Nexus 3000 Series Hardware Installation Guide* 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)

**Table 1**      **Supported Cisco Nexus 3548 Platform Switches**

Switch	Description
Cisco Nexus 3548 Switch	The Cisco Nexus 3548 switch is a high-performance, high-density, ultra-low-latency Ethernet switch that is part of the new Cisco Nexus 3000 Series Switches. This compact one-rack-unit (1RU) form factor 1 and 10 Gigabit Ethernet switch provides line-rate Layer 2 and 3 switching.

## Organization

This document is organized as follows:

Chapter and Title	Description
<a href="#">Chapter 2, “Overview”</a>	Describes the Cisco NX-OS multicast features.
<a href="#">Chapter 3, “Configuring IGMP”</a>	Describes how to configure the Cisco NX-OS IGMP features.
<a href="#">Chapter 4, “Configuring PIM”</a>	Describes how to configure the Cisco NX-OS PIM features.
<a href="#">Chapter 5, “Configuring IGMP Snooping”</a>	Describes how to configure the Cisco NX-OS IGMP snooping feature.
<a href="#">Chapter 6, “Configuring MSDP”</a>	Describes how to configure the Cisco NX-OS MSDP feature.
<a href="#">Appendix A, “IETF RFCs for IP Multicast”</a>	Contains the RFCs related to the Cisco NX-OS multicast features.

## Document Conventions

Command descriptions use these conventions:

Convention	Description
boldface font	Commands and keywords are in boldface.
italic font	Arguments for which you supply values are in italics.
[ ]	Elements in square brackets are optional.
[ x   y   z ]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
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 these conventions:

screen font	Terminal sessions and information that 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.



**Tip**

Means *the following information will help you solve a problem*.

## Related Documentation for Nexus 3548 Switch NX-OS Software

The entire Cisco Nexus 3548 switch software documentation set 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)

### Release Notes

The release notes are available at the following URL:

[http://www.cisco.com/en/US/products/ps11541/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps11541/prod_release_notes_list.html)

### Installation and Upgrade Guides

The installation and upgrade guides are available at the following URL:

[http://www.cisco.com/en/US/products/ps11541/prod\\_installation\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps11541/prod_installation_guides_list.html)

The documents in this category include:

- Cisco Nexus 5000 Series, Cisco Nexus 3000 Series, and Cisco Nexus 2000 Series Safety Information and Documentation
- Regulatory, Compliance, and Safety Information for the Cisco Nexus 5000 Series, Cisco Nexus 3000 Series, and Cisco Nexus 2000 Series
- Cisco Nexus 3000 Series Hardware Installation Guide

### License Information

For information about feature licenses in NX-OS, see the *Cisco NX-OS Licensing Guide*, available at the following URL:

[http://www.cisco.com/en/US/docs/switches/datacenter/sw/nx-os/licensing/guide/b\\_Cisco\\_NX-OS\\_Licensing\\_Guide.html](http://www.cisco.com/en/US/docs/switches/datacenter/sw/nx-os/licensing/guide/b_Cisco_NX-OS_Licensing_Guide.html).

For the NX-OS end user agreement and copyright information, see the *License and Copyright Information for Cisco NX-OS Software*, available at the following URL:

[http://www.cisco.com/en/US/docs/switches/datacenter/sw/4\\_0/nx-os/license\\_agreement/nx-oss\\_w\\_lisns.html](http://www.cisco.com/en/US/docs/switches/datacenter/sw/4_0/nx-os/license_agreement/nx-oss_w_lisns.html).

### Configuration Guides

The configuration guides are available at the following URL:

[http://www.cisco.com/en/US/products/ps11541/products\\_installation\\_and\\_configuration\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps11541/products_installation_and_configuration_guides_list.html)

The documents in this category include:

- Fundamentals Configuration Guide
- Interfaces Configuration Guide
- Layer 2 Switching Configuration Guide
- Multicast Configuration Guide
- Quality of Service Configuration Guide
- Security Configuration Guide
- System Management Configuration Guide
- Unicast Routing Configuration Guide
- Verified Scalability Guide for Cisco NX-OS

### Technical References

The technical references are available at the following URL:

[http://www.cisco.com/en/US/products/ps11541/prod\\_technical\\_reference\\_list.html](http://www.cisco.com/en/US/products/ps11541/prod_technical_reference_list.html)

### Error and System Messages

The system message reference guide is available at the following URL:

[http://www.cisco.com/en/US/products/ps11541/products\\_system\\_message\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps11541/products_system_message_guides_list.html)

## Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to [nexus3k-docfeedback@cisco.com](mailto:nexus3k-docfeedback@cisco.com). We appreciate your feedback.

---

# 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 an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.

