



# Preface

---

This preface describes the audience, organization, and conventions of the *Cisco Nexus 3000 Series 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 11](#)
- [Supported Switches, page 11](#)
- [Organization, page 12](#)
- [Document Conventions, page 12](#)
- [Related Documentation, page 13](#)
- [Documentation Feedback, page 14](#)
- [Obtain Documentation and Submit a Service Request, page 15](#)

## Audience

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

## Supported Switches

This section includes the following topics:

- [Cisco Nexus 3000 Platform Switches, page 11](#)

## Cisco Nexus 3000 Platform Switches

[Table 1](#) describes the Cisco Nexus 3000 Series 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 3000 Platform Switches**

Switch	Description
Cisco Nexus 3064PQ Switch	The Cisco Nexus 3064 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. The switch runs the industry-leading Cisco NX-OS Software operating system, providing customers with robust features and functionality that are widely deployed globally.

## Organization

This document is organized as follows:

Chapter and Title	Description
<a href="#">Chapter 1, “Overview”</a>	Describes the Cisco NX-OS multicast features.
<a href="#">Chapter 2, “Configuring IGMP”</a>	Describes how to configure the Cisco NX-OS IGMP features.
<a href="#">Chapter 3, “Configuring PIM”</a>	Describes how to configure the Cisco NX-OS PIM features.
<a href="#">Chapter 4, “Configuring IGMP Snooping”</a>	Describes how to configure the Cisco NX-OS IGMP snooping feature.
<a href="#">Chapter 5, “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

Documentation for Cisco Nexus 3000 Series Switches and Cisco Nexus 2000 Series Fabric Extender 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 following are related Cisco Nexus 3000 Series documents:

## Release Notes

*Cisco Nexus 3000 Series Release Notes*

## Configuration Guides

*Cisco Nexus 3000 Series Configuration Limits for Cisco NX-OS Release 5.0(3)U1(1)*

*Cisco Nexus 3000 Series NX-OS Layer 2 Switching Configuration Guide*

*Cisco Nexus 3000 Series NX-OS Multicast Routing Configuration Guide*

*Cisco Nexus 3000 Series NX-OS Quality of Service Configuration Guide*

*Cisco Nexus 3000 Series NX-OS SAN Switching Configuration Guide*

---

*Cisco Nexus 3000 Series NX-OS Security Configuration Guide*  
*Cisco Nexus 3000 Series NX-OS System Management Configuration Guide*  
*Cisco Nexus 3000 Series NX-OS Unicast Routing Configuration Guide*  
*Cisco NX-OS Fundamentals Configuration Guide*

## **Maintain and Operate Guides**

*Cisco Nexus 3000 Series NX-OS Operations Guide*

## **Installation and Upgrade Guides**

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

## **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 Troubleshooting Guide*

## **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.

## Obtain Documentation and Submit a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see [What's New in Cisco Product Documentation](#).

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the [What's New in Cisco Product Documentation RSS feed](#). The RSS feeds are a free service.

