



Preface

This preface describes the audience, organization, and conventions of the *Cisco Nexus 3000 Series NX-OS Multicast Routing Configuration Guide, Release 5.0(3)U5(1)*. It also provides information on how to obtain related documentation.

This chapter includes the following sections:

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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 xi](#)

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

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
Chapter 2, “Overview”	Describes the Cisco NX-OS multicast features.
Chapter 3, “Configuring IGMP”	Describes how to configure the Cisco NX-OS IGMP features.
Chapter 4, “Configuring PIM”	Describes how to configure the Cisco NX-OS PIM features.
Chapter 5, “Configuring IGMP Snooping”	Describes how to configure the Cisco NX-OS IGMP snooping feature.
Chapter 6, “Configuring MSDP”	Describes how to configure the Cisco NX-OS MSDP feature.
Appendix A, “IETF RFCs for IP Multicast”	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.
<i>italic font</i>	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:

<code>screen font</code>	Terminal sessions and information that 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.



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

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. 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:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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