



## Preface

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This preface describes the audience, organization, and conventions of the *Cisco Nexus 5000 Series NX-OS Operations Guide, Release 5.0(3)N2(1)*. It also provides information on how to obtain related documentation.

This chapter includes the following topics:

- [Audience, page ix](#)
- [Document Organization, page ix](#)
- [Document Conventions, page x](#)
- [Related Documentation, page xi](#)
- [Obtaining Documentation and Submitting a Service Request, page xii](#)

## Audience

This publication is for experienced network administrators who configure and maintain Cisco NX-OS on Cisco Nexus 5000 Platform switches and Cisco Nexus 5500 Platform switches.

## Document Organization

This document is organized into the following chapters:

Chapter	Description
Overview	
Virtual Port Channel Operations	Describes best practices and operations for vPCs.
Layer 3 and vPC Operations	Describes virtual port channel (vPC) operations when Layer 3 routing features are enabled on the Cisco Nexus 5500 Platform.
Configuration Synchronization Operations	Describes best practices and operations for the configuration synchronization feature in Virtual Port Channels (vPCs) topologies.
Fibre Channel over Ethernet Operations	Describes considerations and operational guidelines on how to deploy and implement an FCoE solution.

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## Document Conventions

Command descriptions use the following conventions:

Convention	Description
<b>bold</b>	Bold text indicates the commands and keywords that you enter literally as shown.
<i>Italic</i>	Italic text indicates arguments for which the user supplies the values.
[x]	Square brackets enclose an optional element(keyword or argument).
[x   y]	Square brackets enclosing keywords or arguments separated by a vertical bar indicate an optional choice.
{x   y}	Braces enclosing keywords or arguments separated by a vertical bar indicate a required choice.
[x {y   z}]	Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element.
variable	Indicates a variable for which you supply values, in context where italics cannot be used.
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 the following conventions::

Convention	Description
screen font	Terminal sessions and information 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.

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**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

Documentation for Cisco Nexus 5000 Series Switches and Cisco Nexus 2000 Series Fabric Extenders 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 5000 Series and Cisco Nexus 2000 Series Fabric Extender 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 Configuration Limits for Cisco NX-OS Release 5.1(3)N1(1)*

*Cisco Nexus 5000 Series Configuration Limits for Cisco NX-OS Release 5.0(2)N1(1)*

*Cisco Nexus 5000 Series 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 7000 Series NX-OS Fundamentals Configuration Guide, Release 4.2*

*Cisco Nexus 2000 Series Fabric Extender Software Configuration Guide*

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## **Maintain and Operate Guides**

*Cisco Nexus 5000 Series NX-OS Operations Guide*

## **Installation and Upgrade Guides**

*Cisco Nexus 5000 Series and Cisco Nexus 5500 Platform Hardware Installation Guide*

*Cisco Nexus 2000 Series 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 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 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.

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