



## Preface

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This preface describes the audience, organization, and conventions of the *Cisco Nexus 5000 Series NX-OS SAN Switching Configuration Guide*. It also provides information on how to obtain related documentation.

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## Audience

This preface describes the audience, organization, and conventions of the . It also provides information on how to obtain related documentation.

## 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>	Provides an overview of all the features in this guide.
<b>Configuring Fibre Channel Interfaces</b>	Describes the licensing requirements, configuration information, interface modes, and interface states for Fibre Channel interfaces.
<b>Configuring Domain Parameters</b>	Describes configuration information for domain parameters, domain IDs, and FC IDs.

Chapter	Description
<b>Configuring N Port Virtualization</b>	Provides an overview of N Port Virtualization, information on how to configure NPV interfaces, and includes guidelines and requirements for configuring and verifying NPV.
<b>Configuring VSAN Trunking</b>	Explains TE ports and trunking concepts and describes how to configure VSAN trunking how to enable trunking protocols.
<b>Configuring SAN Port Channel</b>	Explains SAN PortChannels and load balancing concepts and provides details on configuring SAN PortChannels, and adding or deleting ports to SAN PortChannels.
<b>Configuring and Managing VSANs</b>	Describes how virtual SANs (VSANs) work, explains the concept of default VSANs, isolated VSANs, VSAN IDs, and attributes, and provides details on how to create, delete, and view VSANs.
<b>Configuring and Managing Zones</b>	Defines various zoning concepts and provides details on configuring a zone set and zone management features.
<b>Distributing Device Alias Services</b>	Describes the use of the Distributed Device Alias Services (device alias) to distribute device alias names on a fabric-wide basis.
<b>Configuring Fibre Channel Routing Services and Protocols</b>	Provides details and configuration information on Fibre Channel routing services and protocols.
<b>Managing FLOGI, Name Server, FDMI, an RSCN Databases</b>	Provides name server and fabric login details required to manage storage devices and display registered state change notification (RSCN) databases.
<b>Discovering SCSI Targets</b>	Describes how the SCSI LUN discovery feature is started and displayed.
<b>Advanced Fibre Channel Features and Concepts</b>	Describes the advanced configuration features-time out values, fctrace, fabric analyzer, world wide names, flat FC IDs, loop monitoring, and interoperating switches.
<b>Configuring FC-SP and DHCHAP</b>	Describes the DHCHAP protocol, an FC-SP protocol, that provides authentication between Cisco MDS 9000 Family switches and other devices.
<b>Configuring Port Security</b>	Provides details on port security features that can prevent unauthorized access to a switch port in the Cisco MDS 9000 Family.
<b>Configuring Fabric Binding</b>	Describes the fabric binding security feature for VSANs, which ensures that ISLs are only enabled between specific switches.
<b>Configuring Fabric Configuration Servers</b>	Describes how the fabric configuration server (FCS) feature is configured and displayed.
<b>Configuring Port Tracking</b>	Describes the port tracking feature and provides information to enable port tracking and to configure linked ports.

## 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.
<i>variable</i>	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
<code>screen font</code>	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.

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*

### Cisco Nexus 5000 Series NX-OS Configuration Guides

- *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 CLI Software Configuration Guide*
- *Cisco Nexus 5000 Series Fabric Manager Configuration Guide, Release 3.4(1a)*

### Installation and Upgrade Guides

- *Cisco Nexus 5000 Series Hardware Installation Guide*
- *Regulatory Compliance and Safety Information for the Cisco Nexus 5000 Series*

### Cisco NX-OS Command References

- *Cisco Nexus 5000 Series Command Reference*

### Cisco NX-OS Technical References

- *Cisco Nexus 5000 MIBs Reference*

### Cisco NX-OS Error and System Messages

- *Cisco NX-OS System Messages Reference*

# 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.

