



## Preface

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

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## Audience

This publication is for experienced users who configure and maintain Cisco NX-OS switches.

## Organization

This reference is organized as follows:

Chapter and Title	Description
<a href="#">Chapter 1, “Overview”</a>	Describes an overview of the FabricPath feature.
<a href="#">Chapter 2, “Configuring FabricPath Switching”</a>	Describes FabricPath encapsulation, Layer 2 IS-IS, and MAC address conversational learning. Also describes how to change timers for FabricPath and resolve switch ID conflicts.
<a href="#">Chapter 3, “Configuring FabricPath Interfaces”</a>	Describes FabricPath interfaces and VLANs as well as how the feature interacts with Classical Ethernet networks and Spanning Tree Protocol.
<a href="#">Chapter 4, “Configuring FabricPath Forwarding”</a>	Describes how the FabricPath network uses multiple paths to forward unicast, unknown unicast, broadcast, and multicast frames.

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Chapter and Title	Description
Chapter 5, “Configuring Advanced FabricPath Features”	Describes how to configure more advanced parameters for Layer 2 IS-IS.
Chapter A, “Configuration Limits for Cisco NX-OS FabricPath”	Describes the configuration limits for FabricPath.

## Document Conventions

Command descriptions use these conventions:

Convention	Description
<b>boldface font</b>	Commands and keywords are in boldface.
<i>italic font</i>	Arguments for which you supply values are in italics.
{ }	Elements in braces are required choices.
[ ]	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*.

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## Related Documentation

The entire Cisco NX-OS 5000 documentation set 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)

## Release Notes

The release notes are available at the following URL:  
[http://www.cisco.com/en/US/products/ps9670/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_release_notes_list.html)

## Configuration Guides

These guides are available at the following URL:  
[http://www.cisco.com/en/US/products/ps9670/products\\_installation\\_and\\_configuration\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps9670/products_installation_and_configuration_guides_list.html)

The documents in this category include:

- *Cisco Fabric Manager Configuration Guide*
- *Cisco Nexus 5000 Series NX-OS Software Configuration Guide*
- *Configuration Limits for Cisco NX-OS*
- *FabricPath Configuration Guide*
- *Fibre Channel over Ethernet Configuration Guide*
- *Layer 2 Switching Configuration Guide*
- *Multicast Routing Configuration Guide*
- *Operations Guide*
- *SAN Switching Configuration Guide*
- *Quality of Service Configuration Guide*
- *Security Configuration Guide*
- *System Management Configuration Guide*
- *Unicast Routing Configuration Guide*

## Maintain and Operate Guides

The *Cisco Nexus 5000 Series NX-OS Operations Guide* is available at  
[http://www.cisco.com/en/US/products/ps9670/prod\\_maintenance\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_maintenance_guides_list.html).

## Installation and Upgrade Guides

These guides are available at the following URL:  
[http://www.cisco.com/en/US/products/ps9670/prod\\_installation\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_installation_guides_list.html)

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The documents in this category include:

- *Hardware Installation Guides*
- *Software Upgrade and Downgrade Guides*
- *Regulatory Compliance and Safety Information*

## **Licensing Guide**

The *License and Copyright Information for Cisco NX-OS Software* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/sw/4\\_0/nx-os/license\\_agreement/nx-ossw\\_lisns.html](http://www.cisco.com/en/US/docs/switches/datacenter/sw/4_0/nx-os/license_agreement/nx-ossw_lisns.html).

## **Command References**

These guides are available at the following URL:

[http://www.cisco.com/en/US/products/ps9670/prod\\_command\\_reference\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_command_reference_list.html)

## **Technical References**

The *Cisco Nexus 5000 and Cisco Nexus 2000 MIBs Reference* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/mib/reference/NX5000\\_MIBRef.html](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/mib/reference/NX5000_MIBRef.html).

## **Error and System Messages**

The *Nexus 5000 Series NX-OS System Message Reference* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/system\\_messages/reference/sl\\_nxos\\_book.html](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/system_messages/reference/sl_nxos_book.html).

## **Troubleshooting Guide**

The *Cisco Nexus 5000 Troubleshooting Guide* is available at [http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/troubleshooting/guide/N5K\\_Troubleshooting\\_Guide.html](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/troubleshooting/guide/N5K_Troubleshooting_Guide.html).

## **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>

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