



Preface

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Audience

This publication is for network administrators who configure and maintain Cisco Nexus devices and Cisco Nexus 2000 Series Fabric Extenders.

Document Conventions



Note

As part of our constant endeavor to remodel our documents to meet our customers' requirements, we have modified the manner in which we document configuration tasks. As a result of this, you may find a deviation in the style used to describe these tasks, with the newly included sections of the document following the new format.

Command descriptions use the following conventions:

Convention	Description
bold	Bold text indicates the commands and keywords that you enter literally as shown.

Convention	Description
<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.

Examples use the following conventions:

Convention	Description
screen font	Terminal sessions and information 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.

Related Documentation for Cisco Nexus 5500 Series NX-OS Software

The entire Cisco NX-OS 5500 Series documentation set is available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/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

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

The documents in this category include:

- *Cisco Nexus 5500 Series NX-OS Adapter-FEX Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS FabricPath Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS FCoE Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS Fundamentals Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS Interfaces Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS Layer 2 Switching Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS Multicast Routing Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS Quality of Service Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS SAN Switching Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS Security Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS System Management Configuration Guide*
- *Cisco Nexus 5500 Series NX-OS Unicast Routing Configuration Guide*

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

The document in this category include:

- *Cisco Nexus 5500 Series NX-OS Software Upgrade and Downgrade Guides*

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.

Command References

These guides are available at the following URL:

http://www.cisco.com/en/US/products/ps9670/prod_command_reference_list.html

The documents in this category include:

- *Cisco Nexus 5500 Series NX-OS Fabric Extender Command Reference*
- *Cisco Nexus 5500 Series NX-OS FabricPath Command Reference*
- *Cisco Nexus 5500 Series NX-OS Fundamentals Command Reference*
- *Cisco Nexus 5500 Series NX-OS Interfaces Command Reference*
- *Cisco Nexus 5500 Series NX-OS Layer 2 Interfaces Command Reference*
- *Cisco Nexus 5500 Series NX-OS Multicast Routing Command Reference*
- *Cisco Nexus 5500 Series NX-OS Quality of Service Command Reference*
- *Cisco Nexus 5500 Series NX-OS Security Command Reference*
- *Cisco Nexus 5500 Series NX-OS System Management Command Reference*
- *Cisco Nexus 5500 Series NX-OS TrustSec Command Reference*
- *Cisco Nexus 5500 Series NX-OS Unicast Routing Command Reference*
- *Cisco Nexus 5500 Series NX-OS Virtual Port Channel Command Reference*

Technical References

The *Cisco Nexus 5500 Series NX-OS MIB Reference* is available at http://www.cisco.com/en/US/docs/switches/datacenter/nexus5500/sw/mib/reference/NX5500_MIBRef.html.

Error and System Messages

The *Cisco Nexus 5500 Series NX-OS System Message Guide* is available at http://www.cisco.com/en/US/docs/switches/datacenter/nexus5500/sw/system_messages/reference/sl_nxos_book.html.

Troubleshooting Guide

The *Cisco Nexus 5500 Series NX-OS Troubleshooting Guide* is available at http://www.cisco.com/en/US/docs/switches/datacenter/nexus5500/sw/troubleshooting/guide/N5K_Troubleshooting_Guide.html.

Related Documentation for Cisco Nexus 5600 Series NX-OS Software

The entire Cisco NX-OS 5600 Series documentation set is available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/tsd-products-support-series-home.html>

Release Notes

The release notes are available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/products-release-notes-list.html>

Configuration Guides

These guides are available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/products-installation-and-configuration-guides-list.html>

The documents in this category include:

- *Cisco Nexus 5600 Series NX-OS Adapter-FEX Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS FabricPath Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Fibre Channel over Ethernet Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Fundamentals Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Interfaces Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Layer 2 Switching Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Multicast Routing Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Quality of Service Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS SAN Switching Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Security Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS System Management Configuration Guide*
- *Cisco Nexus 5600 Series NX-OS Unicast Routing Configuration Guide*

Licensing Guide

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Command References

These guides are available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/products-command-reference-list.html>

The documents in this category include:

- *Cisco Nexus 5600 Series NX-OS Fabric Extender Command Reference*
- *Cisco Nexus 5600 Series NX-OS FabricPath Command Reference*
- *Cisco Nexus 5600 Series NX-OS Fibre Channel Command Reference*
- *Cisco Nexus 5600 Series NX-OS Fundamentals Command Reference*
- *Cisco Nexus 5600 Series NX-OS Interfaces Command Reference*
- *Cisco Nexus 5600 Series NX-OS Layer 2 Interfaces Command Reference*
- *Cisco Nexus 5600 Series NX-OS Multicast Routing Command Reference*
- *Cisco Nexus 5600 Series NX-OS QoS Command Reference*
- *Cisco Nexus 5600 Series NX-OS Security Command Reference*
- *Cisco Nexus 5600 Series NX-OS System Management Command Reference*
- *Cisco Nexus 5600 Series NX-OS TrustSec Command Reference*
- *Cisco Nexus 5600 Series NX-OS Unicast Routing Command Reference*
- *Cisco Nexus 5600 Series NX-OS Virtual Port Channel Command Reference*

Error and System Messages

The *Cisco Nexus 5600 Series NX-OS System Message Guide* is available at http://www.cisco.com/en/US/docs/switches/datacenter/nexus5500/sw/system_messages/reference/sl_nxos_book.html.

Troubleshooting Guide

The *Cisco Nexus 5600 Series NX-OS Troubleshooting Guide* is available at <http://www.cisco.com/c/en/us/support/switches/nexus-5000-series-switches/products-troubleshooting-guides-list.html>.

Related Documentation for Cisco Nexus 6000 Series NX-OS Software

The entire Cisco NX-OS 6000 Series documentation set is available at the following URL:

http://www.cisco.com/en/US/products/ps12806/tsd_products_support_series_home.html

Release Notes

The release notes are available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-6000-series-switches/products-release-notes-list.html>

Configuration Guides

These guides are available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-6000-series-switches/products-installation-and-configuration-guides-list.html>

The documents in this category include:

- *Cisco Nexus 6000 Series NX-OS Adapter-FEX Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS FabricPath Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS FCoE Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS Fundamentals Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS Interfaces Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS Layer 2 Switching Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS Multicast Routing Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS Quality of Service Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS SAN Switching Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS Security Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS System Management Configuration Guide*
- *Cisco Nexus 6000 Series NX-OS Unicast Routing Configuration Guide*

Installation and Upgrade Guides

These guides are available at the following URL:

<http://www.cisco.com/c/en/us/support/switches/nexus-6000-series-switches/products-installation-guides-list.html>

The document in this category include:

- *Cisco Nexus 6000 Series NX-OS Software Upgrade and Downgrade Guides*

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-oss_w_lisns.html.

Command References

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<http://www.cisco.com/c/en/us/support/switches/nexus-6000-series-switches/products-command-reference-list.html>

The documents in this category include:

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- *Cisco Nexus 6000 Series NX-OS FabricPath Command Reference*
- *Cisco Nexus 6000 Series NX-OS Fundamentals Command Reference*
- *Cisco Nexus 6000 Series NX-OS Interfaces Command Reference*
- *Cisco Nexus 6000 Series NX-OS Layer 2 Interfaces Command Reference*
- *Cisco Nexus 6000 Series NX-OS Multicast Routing Command Reference*
- *Cisco Nexus 6000 Series NX-OS Quality of Service Command Reference*

- *Cisco Nexus 6000 Series NX-OS Security Command Reference*
- *Cisco Nexus 6000 Series NX-OS System Management Command Reference*
- *Cisco Nexus 6000 Series NX-OS TrustSec Command Reference*
- *Cisco Nexus 6000 Series NX-OS Unicast Routing Command Reference*
- *Cisco Nexus 6000 Series NX-OS Virtual Port Channel Command Reference*

Technical References

The *Cisco Nexus 6000 Series NX-OS MIB Reference* is available at http://www.cisco.com/en/US/docs/switches/datacenter/nexus6000/sw/mib/reference/NX6000_MIBRef.html.

Error and System Messages

The *Cisco Nexus 6000 Series NX-OS System Message Guide* is available at http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus6000/sw/system_messages/reference/sl_nxos_book.html.

Troubleshooting Guide

The *Cisco Nexus 6000 Series NX-OS Troubleshooting Guide* is available at <http://www.cisco.com/c/en/us/support/switches/nexus-6000-series-switches/tsd-products-support-troubleshoot-and-alerts.html>.

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to: nexus5k-docfeedback@cisco.com.

We appreciate your feedback.

Obtaining Documentation and Submitting 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](#). RSS feeds are a free service.