



Preface

This preface describes the audience, organization, and conventions of the *Cisco Nexus 7000 Series NX-OS Layer 2 Switching Configuration Guide, Release 4.0*. It also provides information on how to obtain related documentation.

This chapter includes the following sections:

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Audience

This publication is for experienced network administrators configure and maintain NX-OS devices.

Document Organization

This publication is organized into the following chapters:

Chapter	Description
Chapter 1, “Overview”	Provides brief descriptions of each feature.
Chapter 2, “Configuring Layer 2 Switching”	Provides information for configuring the MAC address table parameters.
Chapter 3, “Configuring VLANs”	Provides details on configuring VLANs.
Chapter 4, “Configuring Private VLANs”	Provides information on configuring private VLANs.
Chapter 5, “Configuring Rapid PVST+”	Provides information on IEEE 802.1D STP and complete details for configuring Rapid PVST+.
Chapter 6, “Configuring MST”	Provides complete information on configuring MST.

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Chapter	Description
Chapter 7, “Configuring STP Extensions”	Provides details on configuring the Cisco-proprietary STP extensions Bridge Assurance, BPDU Guard, BPDU Filtering, Loop Guard, Root Guard, and PVST Simulation.
Appendix A, “Configuration Limits for Cisco NX-OS Layer 2 Switching Features, Release 4.0”	Provides information on limits for Layer 2 switching features.

Document Conventions

Command descriptions use these conventions:

boldface font	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	Alternative, mutually exclusive elements are 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 device displays are in screen font.
boldface screen font	Information that 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.

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Related Documentation

The following Cisco NX-OS documents are published on Cisco.com:

Release Notes

Cisco Nexus 7000 Series NX-OS Release Notes, Release 4.0

NX-OS Configuration Guides

Cisco Nexus 7000 Series NX-OS Getting Started with Virtual Device Contexts, Release 4.0

Cisco Nexus 7000 Series NX-OS Fundamentals Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Interfaces Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Layer 2 Switching Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Quality of Service Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Unicast Routing Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Multicast Routing Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Security Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Virtual Device Context Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Software Upgrade Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS Licensing Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS High Availability and Redundancy Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS System Management Configuration Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS XML Management Interface User Guide, Release 4.0

Cisco Nexus 7000 Series NX-OS System Messages Reference

Cisco Nexus 7000 Series NX-OS MIB Quick Reference

NX-OS Command References

Cisco Nexus 7000 Series NX-OS Command Reference Master Index, Release 4.0

Cisco Nexus 7000 Series NX-OS Fundamentals Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS Interfaces Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS Layer 2 Switching Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS Quality of Service Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS Unicast Routing Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS Multicast Routing Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS Security Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS Virtual Device Context Command Reference, Release 4.0

Cisco Nexus 7000 Series NX-OS System Management Command Reference, Release 4.0

Other Software Document

Cisco Nexus 7000 Series NX-OS Troubleshooting Guide, Release 4.0

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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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