



Preface

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

Audience

This publication is for experienced network administrators who configure and maintain DCNM devices.

Document Organization

This document is organized into the following chapters:

Chapter	Description
Chapter 1, “Overview”	Provides an overview of the NX-OS interfaces.
Chapter 2, “Configuring Basic Interface Parameters”	Describes how you can configure the basic parameters shared by Layer 2 and Layer 3 interfaces.
Chapter 3, “Configuring Layer 2 Interfaces”	Describes how to configure Layer 2 switching ports as access or trunk ports.
Chapter 4, “Configuring Layer 3 Interfaces”	Describes how to configure Layer 3 interfaces.
Chapter 5, “Configuring Port Channels”	Describes how to configure port channels and to apply and configure the Link Aggregation Control Protocol (LACP) for a more efficient use of port channels.
Chapter 6, “Configuring IP Tunnels”	Describes how to configure IP tunnels using Generic Route Encapsulation (GRE) on the device.
Chapter A, “IETF RFCs supported by Cisco NX-OS Interfaces, Release 4.x”	lists the IETF RFCs for interfaces supported in Cisco NX-OS Release 4.x
Chapter B, “Configuration Limits for Cisco NX-OS Interfaces”	Lists the Cisco verified limits and maximum limits for switches running NX-OS Release 4.x

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Document Conventions

Command descriptions use these conventions:

Convention	Description
boldface font	Commands and keywords are in boldface.
<i>italic font</i>	Arguments for which you supply values are in italics.
[]	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.
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.

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

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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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