



## Preface

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The *Cisco Nexus 1000V Interface Configuration Guide, Release 4.2(1) SV1(5.1)*, provides information about configuring interfaces, although port profiles are the preferred method for configuring interfaces.

This preface describes the following aspects of this document:

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## Audience

This guide is for network administrators with the following experience and knowledge:

- An understanding of virtualization
- Using VMware tools to configure a vswitch



**Note**

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Note: Knowledge of VMware vNetwork Distributed Switch is not a prerequisite.

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## Document Organization

This publication is organized as follows:

Chapter and Title	Description
<a href="#">Chapter 1, “Overview”</a>	Provides an overview of Cisco Nexus 1000V interfaces.
<a href="#">Chapter 2, “Configuring Interface Parameters”</a>	Describes the basic Cisco Nexus 1000V interface configuration.
<a href="#">Chapter 3, “Configuring Layer 2 Interfaces”</a>	Describes how to configure Cisco Nexus 1000V access and trunk interfaces.

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Chapter and Title	Description
<a href="#">Chapter 4, “Configuring Virtual Ethernet Interfaces”</a>	Describes how to configure Cisco Nexus 1000V virtual Ethernet interfaces.
<a href="#">Chapter 5, “Configuring Port Channels”</a>	Describes how to configure Cisco Nexus 1000V port channels.
<a href="#">Chapter 6, “Supported RFCs”</a>	Lists the IETF RFCs supported in Cisco Nexus 1000V Beta 1 release.
<a href="#">Chapter 7, “Interface Configuration Limits”</a>	Lists the maximum configuration limits for interface features.

## Document Conventions

Command descriptions use these conventions:

<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	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 the device 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 for notes and cautions:



### 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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## Recommended Reading

Before configuring the Cisco Nexus 1000V, we recommend that you read and become familiar with the following documentation:

- *Cisco Nexus 1000V Getting Started Guide, Release 4.2(1)SVI(5.1)*
- *Cisco Nexus 1000V Port Profile Configuration Guide, Release 4.2(1)SVI(5.1)*
- *Cisco VN-Link: Virtualization-Aware Networking white paper*

## Related Documentation

This section lists the documents used with the Cisco Nexus 1000 and available on [Cisco.com](http://www.cisco.com) at the following URL:

[http://www.cisco.com/en/US/products/ps9902/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps9902/tsd_products_support_series_home.html)

### General Information

*Cisco Nexus 1000V Documentation Roadmap, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Release Notes, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Compatibility Information, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1010 Management Software Release Notes, Release 4.2(1)SP1(3)*

### Install and Upgrade

*Cisco Nexus 1000V Installation and Upgrade Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1010 Virtual Services Appliance Hardware Installation Guide*

*Cisco Nexus 1010 Software Installation and Upgrade Guide, Release 4.2(1)SP1(3)*

### Configuration Guides

*Cisco Nexus 1000V High Availability and Redundancy Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Interface Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Layer 2 Switching Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V License Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Network Segmentation Manager Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Port Profile Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Quality of Service Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V Security Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V System Management Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1000V VXLAN Configuration Guide, Release 4.2(1)SVI(5.1)*

*Cisco Nexus 1010 Software Configuration Guide, Release 4.2(1)SP1(3)*

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## **Programming Guide**

*Cisco Nexus 1000V XML API User Guide, Release 4.2(1)SV1(5.1)*

## **Reference Guides**

*Cisco Nexus 1000V Command Reference, Release 4.2(1)SV1(5.1)*

*Cisco Nexus 1000V MIB Quick Reference*

*Cisco Nexus 1010 Command Reference, Release 4.2(1)SP1(3)*

## **Troubleshooting and Alerts**

*Cisco Nexus 1000V Troubleshooting Guide, Release 4.2(1)SV1(5.1)*

*Cisco Nexus 1000V Password Recovery Guide*

*Cisco NX-OS System Messages Reference*

## **Virtual Security Gateway Documentation**

*Cisco Virtual Security Gateway for Nexus 1000V Series Switch*

## **Virtual Network Management Center**

*Cisco Virtual Network Management Center*

## **Virtual Wide Area Application Services (vWAAS)**

*Cisco Virtual Wide Area Application Services (vWAAS)*

## **Network Analysis Module Documentation**

*Cisco Prime Network Analysis Module Software Documentation Guide, 5.1*

*Cisco Prime Network Analysis Module (NAM) for Nexus 1010 Installation and Configuration Guide, 5.1*

*Cisco Prime Network Analysis Module Command Reference Guide 5.1*

*Cisco Prime Network Analysis Module Software 5.1 Release Notes*

*Cisco Prime Network Analysis Module Software 5.1 User Guide*

# **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.

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