



This preface describes the audience, organization, and conventions of the *Cisco MDS 9000 Family Command Reference*. It also provides information on how to obtain related documentation.

Audience

This guide is for experienced network operators and administrators who are responsible for configuring and maintaining the Cisco MDS 9000 family of multilayer directors and fabric switches.

Organization

This guide is organized as follows:

Chapter	Title	Description
Chapter 1	CLI Overview	Describes the CLI (command-line interface).
Chapter 2	A Commands	Describes all commands beginning with the letter "a."
Chapter 3	B Commands	Describes all commands beginning with the letter "b."
Chapter 4	C Commands	Describes all commands beginning with the letter "c."
Chapter 5	D Commands	Describes all commands beginning with the letter "d."
Chapter 6	Debug Commands	Describes all the debug commands.
Chapter 7	E Commands	Describes all commands beginning with the letter "e."
Chapter 8	F Commands	Describes all commands beginning with the letter "f."
Chapter 9	G Commands	Describes all commands beginning with the letter "g."
Chapter 10	H Commands	Describes all commands beginning with the letter "h."
Chapter 11	I Commands	Describes all commands beginning with the letter "i."
Chapter 12	J Commands	Describes all commands beginning with the letter "j."
Chapter 13	K Commands	Describes all commands beginning with the letter "k."
Chapter 14	L Commands	Describes all commands beginning with the letter "1."
Chapter 15	M Commands	Describes all commands beginning with the letter "m."
Chapter 16	N Commands	Describes all commands beginning with the letter "n."

Chapter	Title	Description	
Chapter 17	O Commands	Describes all commands beginning with the letter "o."	
Chapter 18	P Commands	Describes all commands beginning with the letter "p."	
Chapter 19	Q Commands	Describes all commands beginning with the letter "q."	
Chapter 20	R Commands	Describes all commands beginning with the letter "r."	
Chapter 21	S Commands Describes all commands beginning with the letter "s" except the show commands.		
Chapter 22	Show Commands	Describes all the show commands.	
Chapter 23	T Commands	Describes all commands beginning with the letter "t."	
Chapter 24	U Commands	Describes all commands beginning with the letter "u."	
Chapter 25	V Commands	Describes all commands beginning with the letter "v."	
Chapter 26	W Commands	Describes all commands beginning with the letter "w."	
Chapter 27	Z Commands	Describes all commands beginning with the letter "z."	
Chapter 28	Caching Services Module Commands	Describes all commands pertaining to the Caching Services Module (CSM).	

Document Conventions

Command descriptions use these conventions:

Convention	Indication	
boldface font	Commands and keywords are in boldface.	
italic font	Arguments for which you supply values are in italics.	
[]	Elements in square brackets are optional.	
{x y z }	Required alternative keywords are grouped in braces and separated by vertical bars.	
[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:

Convention	Indication
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.
italic screen font	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:



Means reader *take note*. Notes contain helpful suggestions or references to material not covered in the manual.



Means reader be careful. In this situation, you might do something that could result in equipment damage or loss of data.

Related Documentation

The documentation set for the Cisco MDS 9000 Family includes the following documents. To find a document online, use the Cisco MDS NX-OS Documentation Locator at:

http://www.cisco.com/en/US/docs/storage/san_switches/mds9000/roadmaps/doclocater.htm

Release Notes

- Cisco MDS 9000 Family Release Notes for Cisco MDS NX-OS Releases
- Cisco MDS 9000 Family Release Notes for MDS SAN-OS Releases
- Cisco MDS 9000 Family Release Notes for Cisco MDS 9000 EPLD Images
- Cisco DCNM Release Notes

Regulatory Compliance and Safety Information

• Regulatory Compliance and Safety Information for the Cisco MDS 9000 Family

Compatibility Information

- Cisco Data Center Interoperability Support Matrix
- Cisco MDS 9000 NX-OS Hardware and Software Compatibility Information and Feature Lists
- Cisco MDS 9000 Family Switch-to-Switch Interoperability Configuration Guide

Hardware Installation

- Cisco MDS 9500 Series Hardware Installation Guide
- Cisco MDS 9200 Series Hardware Installation Guide
- Cisco MDS 9100 Series Hardware Installation Guide
- Cisco MDS 9124 and Cisco MDS 9134 Multilayer Fabric Switch Quick Start Guide

Software Installation and Upgrade

Cisco MDS 9000 NX-OS Software Upgrade and Downgrade Guide

Cisco NX-OS

- Cisco MDS 9000 Family NX-OS Licensing Guide
- Cisco MDS 9000 Family NX-OS Fundamentals Configuration Guide
- Cisco MDS 9000 Family NX-OS Interfaces Configuration Guide
- Cisco MDS 9000 Family NX-OS Fabric Configuration Guide
- Cisco MDS 9000 Family NX-OS Quality of Service Configuration Guide
- Cisco MDS 9000 Family NX-OS Security Configuration Guide
- Cisco MDS 9000 Family NX-OS IP Services Configuration Guide
- Cisco MDS 9000 Family NX-OS Intelligent Storage Services Configuration Guide
- Cisco MDS 9000 Family NX-OS High Availability and Redundancy Configuration Guide
- Cisco MDS 9000 Family NX-OS Inter-VSAN Routing Configuration Guide
- Cisco MDS 9000 Family Cookbook for Cisco MDS SAN-OS

Cisco DCNM-SAN

- Cisco DCNM Fundamentals Guide, Release 6.x
- System Management Configuration Guide, Cisco DCNM for SAN, Release 6.x
- Interfaces Configuration Guide, Cisco DCNM for SAN, Release 6.x
- Fabric Configuration Guide, Cisco DCNM for SAN, Release 6.x
- Quality of Service Configuration Guide, Cisco DCNM for SAN, Release 6.x
- Security Configuration Guide, Cisco DCNM for SAN, Release 6.x
- IP Services Configuration Guide, Cisco DCNM for SAN, Release 6.x
- Intelligent Storage Services Configuration Guide, Cisco DCNM for SAN, Release 6.x
- High Availability and Redundancy Configuration Guide, Cisco DCNM for SAN, Release 6.x
- Inter-VSAN Routing Configuration Guide, Cisco DCNM for SAN, Release 6.x
- SMI-S and Web Services Programming Guide, Cisco DCNM for SAN, Release 6.x

Cisco DCNM

- Cisco DCNM Fundamentals Guide, Release 6.x
- Cisco DCNM Installation and Licensing Guide, Release 6.x

Command-Line Interface

• Cisco MDS 9000 Family Command Reference

Intelligent Storage Networking Services Configuration Guides

- Cisco MDS 9000 Family I/O Acceleration Configuration Guide
- Cisco MDS 9000 Family SANTap Deployment Guide
- Cisco MDS 9000 Family Data Mobility Manager Configuration Guide
- Cisco MDS 9000 Family Storage Media Encryption Configuration Guide

Troubleshooting and Reference

- Cisco MDS 9000 Family and Nexus 7000 Series System Messages Reference
- Cisco MDS 9000 Family SAN-OS Troubleshooting Guide
- Cisco MDS 9000 Family NX-OS MIB Quick Reference
- Cisco DCNM for SAN Database Schema Reference

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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