

Send documentation comments to [mdsfeedback-doc@cisco.com](mailto:mdsfeedback-doc@cisco.com)



## Preface

---

This preface describes the audience, organization, and conventions of the *Cisco MDS 9000 Family Storage Media Encryption Configuration Guide*. The preface also provides information on how to obtain related documentation.

## Audience

This guide is for experienced network administrators who are responsible for planning, installing, configuring, and maintaining the Cisco MDS 9000 Family Storage Media Encryption feature.

## Organization

This document is organized as follows:

Chapter	Title	Description
Chapter 1	<a href="#">Product Overview</a>	Presents an overview of the Cisco MDS Storage Media Encryption feature and the software and hardware requirements.
Chapter 2	<a href="#">Getting Started</a>	Describes the installation, preliminary configuration tasks, and the configuration limits.
Chapter 3	<a href="#">Cisco SME Cluster Management</a>	Describes how to configure, monitor, and manage Cisco SME clusters.
Chapter 4	<a href="#">Cisco SME Interface Configuration</a> <a href="#">Getting Started</a>	Describes how to configure, start, add, and remove Cisco SME interfaces and switches.
Chapter 5	<a href="#">Cisco SME Tape Configuration</a>	Describes how to add and delete tape groups, devices, paths, and tape volume groups.
Chapter 6	<a href="#">Cisco SME Key Management</a>	Describes the comprehensive and secure key hierarchy system and how to export and import volume groups.
Chapter 7	<a href="#">Using the Command Line Interface to Configure SME</a>	Describes how to use SME CLI commands to configure and monitor Cisco SME clusters.
Chapter 8	<a href="#">Cisco SME Best Practices</a>	Describes recommended steps to ensure proper operation of Cisco SME.

**Send documentation comments to [mdsfeedback-doc@cisco.com](mailto:mdsfeedback-doc@cisco.com)**

Chapter	Title	Description
Chapter 9	<a href="#">Cisco SME Troubleshooting</a>	Describes basic troubleshooting methods used to resolve issues with Cisco SME.
Appendix A	<a href="#">Cisco SME CLI Commands</a>	Includes syntax and usage guidelines for the Cisco MDS Storage Media Encryption CLI commands
Appendix B	<a href="#">Offline Data Recovery in Cisco SME</a>	Describes the Offline Data Restore Tool (ODRT)
Appendix C	<a href="#">Provisioning Self-Sign Certificates</a>	Describes the configuring of SSL in Cisco SME.

## 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 square brackets are optional.
[ x   y   z ]	Optional alternative keywords are grouped in brackets and separated by vertical bars.

Screen examples use these conventions:

screen font	Terminal sessions and information the switch 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:



### 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.

***Send documentation comments to [mdsfeedback-doc@cisco.com](mailto:mdsfeedback-doc@cisco.com)***

## Related Documentation

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

[http://www.cisco.com/en/US/docs/storage/san\\_switches/mds9000/roadmaps/doclocator.htm](http://www.cisco.com/en/US/docs/storage/san_switches/mds9000/roadmaps/doclocator.htm)

## Release Notes

- *Cisco MDS 9000 Family Release Notes for Cisco MDS SAN-OS Releases*
- *Cisco MDS 9000 Family Release Notes for Storage Services Interface Images*
- *Cisco MDS 9000 Family Release Notes for Cisco MDS 9000 EPLD Images*

## Compatibility Information

- *Cisco MDS 9000 SAN-OS Hardware and Software Compatibility Information*
- *Cisco MDS 9000 Family Interoperability Support Matrix*
- *Cisco MDS Storage Services Module Interoperability Support Matrix*
- *Cisco MDS SAN-OS Release Compatibility Matrix for Storage Service Interface Images*

## Regulatory Compliance and Safety Information

- *Regulatory Compliance and Safety Information for the Cisco MDS 9000 Family*

## Hardware Installation

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

## Cisco Fabric Manager

- *Cisco MDS 9000 Family Fabric Manager Quick Configuration Guide*
- *Cisco MDS 9000 Family Fabric Manager Configuration Guide*
- *Cisco MDS 9000 Family Fabric Manager Database Schema*

***Send documentation comments to [mdsfeedback-doc@cisco.com](mailto:mdsfeedback-doc@cisco.com)***

## Command-Line Interface

- *Cisco MDS 9000 Family Software Upgrade and Downgrade Guide*
- *Cisco MDS 9000 Family Storage Services Module Software Installation and Upgrade Guide*
- *Cisco MDS 9000 Family CLI Quick Configuration Guide*
- *Cisco MDS 9000 Family CLI Configuration Guide*
- *Cisco MDS 9000 Family Command Reference*

## Intelligent Storage Networking Services Configuration Guides

- *Cisco MDS 9000 Family Data Mobility Manager Configuration Guide*
- *Cisco MDS 9000 Family Storage Media Encryption Configuration Guide*
- *Cisco MDS 9000 Family Secure Erase Configuration Guide - For Cisco MDS 9500 and 9200 Series*

## Troubleshooting and Reference

- *Cisco MDS 9000 Family Troubleshooting Guide*
- *Cisco MDS 9000 Family MIB Quick Reference*
- *Cisco MDS 9000 Family SMI-S Programming Reference*
- *Cisco MDS 9000 Family System Messages Reference*

## Installation and Configuration Note

- *Cisco MDS 9000 Family SSM Configuration Note*
- *Cisco MDS 9000 Family Port Analyzer Adapter Installation and Configuration Note*
- *Cisco 10-Gigabit X2 Transceiver Module Installation Note*
- *Cisco MDS 9000 Family CWDM SFP Installation Note*
- *Cisco MDS 9000 Family CWDM Passive Optical System Installation Note*

## 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.