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## Preface

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

## Audience

This guide is for system administrators who intend to use the Cisco Fabric Manager to configure and monitor the switches that build the network fabric.

You should be familiar with the basic concepts and terminology used in internetworking, and understand your network topology and the protocols that the devices in your network can use. You should also have a working knowledge of the operating system on which you are running Fabric Manager, such as Microsoft Windows, Linux, or Solaris.

## Organization

This guide contains procedural and conceptual information. For reference information (such as field descriptions for the windows and dialog boxes) refer to the *Cisco MDS 9000 Family Fabric Manager Online Help*. This is accessible by clicking **Help** from the Fabric Manager or Device Manager menus. This guide is organized as follows:

| Chapter   | Title   | Description   |
|-----------|---|---|
| Chapter 1 | <a href="#">Getting Started with Cisco Fabric Manager</a>     | Provides an overview of the Cisco Fabric Manager system.  |
| Chapter 2 | <a href="#">Using Cisco Fabric Manager and Device Manager</a> | Describes how to use the Cisco Fabric Manager views for performing the most important device and fabric management tasks. |
| Chapter 3 | <a href="#">Managing Zones and Zone Sets</a>                  | Describes how to configure zones and zone sets.   |
| Chapter 4 | <a href="#">Managing VSANs</a>                                | Describes how to configure VSANs (virtual storage area networks).   |

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| Chapter    | Title   | Description   |
|------------|---|---|
| Chapter 5  | <a href="#">Managing Administrator Access</a>             | Describes how to configure SNMP authentication, and how to set up RADIUS servers for authenticating command-line interface (CLI) access.  |
| Chapter 6  | <a href="#">Managing Software and Configuration Files</a> | Describes how to manage configuration and image files.  |
| Chapter 7  | <a href="#">Managing Interfaces</a>                       | Describes how to view and configure physical port interfaces and Port Channels.   |
| Chapter 8  | <a href="#">Managing Events and Alarms</a>                | Describes how to configure and monitor SNMP events (traps and informs), RMON alarms, Call Home alerts, and Syslog messaging.  |
| Chapter 9  | <a href="#">Managing the System and Components</a>        | Describes how to monitor and configure the chassis and its components, including modules (line cards), temperature sensors, power supplies, and the fan assembly.                 |
| Chapter 10 | <a href="#">Managing Fibre Channel Routing and FSPF</a>   | Describes how to configure Fibre Channel services, including Fibre Channel routes and flows, and FSPF (Fabric Shortest Path First) interfaces.                                    |
| Chapter 11 | <a href="#">Managing IP Storage Services</a>              | Describes how to configure FCIP and iSCSI storage services.   |
| Chapter 12 | <a href="#">Configuring IP Filters</a>                    | Describes how to configure IP Filters and Profiles.   |
| Chapter 13 | <a href="#">Managing SPAN</a>                             | Describes how to manage SPAN.   |
| Chapter 14 | <a href="#">Managing Advanced Features</a>                | Describes how to configure advanced features, including: <ul style="list-style-type: none"> <li>• World wide names</li> <li>• Domain parameters</li> <li>• Name server</li> </ul> |

## Conventions

This guide 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 loss of data.

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# Related Documentation

For Fabric Manager and Device Manager field descriptions, refer to the *Cisco MDS 9000 Family Fabric Manager Online Help*. For additional information, refer to the following documents:

- *Regulatory Compliance and Safety Information for the Cisco MDS 9000 Family*
- *Cisco MDS 9100 Series Hardware Installation Guide*
- *Cisco MDS 9200 Series Hardware Installation Guide*
- *Cisco MDS 9500 Series Hardware Installation Guide*
- *Cisco MDS 9000 Family Configuration Guide*
- *Cisco MDS 9000 Family Command Reference*
- *Cisco MDS 9000 Family Troubleshooting Guide*
- *Cisco MDS 9000 Family System Messages Guide*
- *Cisco MDS 9000 Family MIB Reference Guide*

# Obtaining Documentation

These sections explain how to obtain documentation from Cisco Systems.

## World Wide Web

You can access the most current Cisco documentation on the World Wide Web at this URL:

<http://www.cisco.com>

Translated documentation is available at this URL:

[http://www.cisco.com/public/countries\\_languages.shtml](http://www.cisco.com/public/countries_languages.shtml)

## Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

## Ordering Documentation

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Networking Products MarketPlace:  
[http://www.cisco.com/cgi-bin/order/order\\_root.pl](http://www.cisco.com/cgi-bin/order/order_root.pl)
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:

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<http://www.cisco.com/go/subscription>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, U.S.A.) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

## Documentation Feedback

You can submit comments electronically on Cisco.com. In the Cisco Documentation home page, click the **Fax** or **Email** option in the “Leave Feedback” section at the bottom of the page.

You can e-mail your comments to [mdsfeedback-doc@cisco.com](mailto:mdsfeedback-doc@cisco.com).

You can submit your comments by mail by using the response card behind the front cover of your document or by writing to the following address:

Cisco Systems  
Attn: Document Resource Connection  
170 West Tasman Drive  
San Jose, CA 95134-9883

We appreciate your comments.

## Obtaining Technical Assistance



### Note

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If you purchased this product through a Cisco reseller, contact the reseller directly for technical support. If you purchased this product directly from Cisco, contact Cisco Technical Support at this URL:  
<http://www.cisco.com/warp/public/687Directory/DirTAC.shtml>

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Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain online documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

## Cisco.com

Cisco.com is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

Cisco.com is a highly integrated Internet application and a powerful, easy-to-use tool that provides a broad range of features and services to help you with these tasks:

- Streamline business processes and improve productivity
- Resolve technical issues with online support
- Download and test software packages
- Order Cisco learning materials and merchandise
- Register for online skill assessment, training, and certification programs

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If you want to obtain customized information and service, you can self-register on Cisco.com. To access Cisco.com, go to this URL:

<http://www.cisco.com>

## Technical Assistance Center

The Cisco Technical Assistance Center (TAC) is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two levels of support are available: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Cisco TAC inquiries are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

The Cisco TAC resource that you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

## Cisco TAC Web Site

You can use the Cisco TAC Web Site to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to this URL:

<http://www.cisco.com/tac>

All customers, partners, and resellers who have a valid Cisco service contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to this URL to register:

<http://www.cisco.com/register/>

If you are a Cisco.com registered user, and you cannot resolve your technical issues by using the Cisco TAC Web Site, you can open a case online by using the TAC Case Open tool at this URL:

<http://www.cisco.com/tac/caseopen>

If you have Internet access, we recommend that you open P3 and P4 cases through the Cisco TAC Web Site.

## Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses priority level 1 or priority level 2 issues. These classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer automatically opens a case.

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To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to this URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled: for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). When you call the center, please have available your service agreement number and your product serial number.