



About This Guide

Cisco Element Management Framework (Cisco EMF) is the new homogeneous element management layer of the Cisco Service Management (CSM) system. It comprises a highly scalable framework designed to support carrier-class element managers across Cisco's service-provider product lines. This flexible, modular model allows Service Providers to install the mix of Element Managers they need to support their dynamic businesses. It also enables rapid development and deployment of new Element Managers, permitting Service Providers to more rapidly introduce and manage new services.

Cisco EMF provides common interfaces and element management services to applications in the network and service management levels of CSM. Cisco's EcoSystem partners can also build third-party element management systems to provide element management support in mixed network environments.

Who Should Use This Book

This book is written as a technical resource for network managers and system administrators (the people responsible for managing the network) and for network analysts (those who configure it). It is assumed you have a basic understanding of network design, operation, and terminology, and you are familiar with your own network configurations. It is also assumed you have a basic familiarity with UNIX.

How This Guide Is Organized

This Guide is organized as follows:

Chapter 1, "Welcome to Cisco Element Management Framework," provides an overview of Cisco EMF and describes the common functionality and menu options used throughout the product.

Chapter 2, "Cisco EMF Concepts," describes the basic concepts of the Cisco EMF software.

Chapter 3, "Map Viewer," provides information on how to utilize network maps.

Chapter 4, "Deployment Wizard," provides information about the Deployment Wizard.

Chapter 5, "Auto Discovery," provides information about the Auto Discovery application.

Chapter 6, "Event Browser," provides information about the Event Browser.

Chapter 7, “Object Group Manager,” provides information about the Object Group Manager.

Chapter 8, “Performance Manager,” provides information about the Performance Manager.

Chapter 9, “User Access Control,” provides information about the security features available in Cisco EMF.

Chapter 10, “Managing Objects in Cisco EMF,” describes the tasks can be carried out on any managed objects within Cisco EMF.

Chapter 11, “Query Editor,” describes how to set up queries.

Appendix A, “Glossary,” provides explanations of the terms used in Cisco EMF.

Related Information

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly. Therefore, it might be more up to date than printed documentation. To order additional copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.cisco.com>.

When you are reading Cisco product documentation on the World Wide Web, you can submit comments electronically. Click **Feedback** in the tool bar, select **Documentation**, and click **Enter the feedback form**. After you complete the form, click **Submit** to send it to Cisco. We appreciate your comments.

The *Cisco Element Management Framework Event Manager User Guide* book is a companion document to this book. This document provides technical information about the Cisco EMF Event Manager.

The following documents contain additional information which may help you more fully understand the material described in this manual:

- Internetworking Technology Overview
- Internetworking Terms and Acronyms

These documents are available on the Cisco document CD.

Conventions and Terminology

This section discusses conventions and terminology used throughout this book.

- *pointer*—indicates where the mouse action is to occur
- *select*—to push and hold down the left mouse button
- *release*—to let up on a mouse button to initiate an action
- *click*—to select and release a mouse button without moving the pointer
- *double-click*—to click a mouse button twice quickly without moving the pointer
- *drag*—to move the pointer by sliding the mouse with one or more buttons selected.

The Cisco EMF software supports a three-button mouse. The buttons are configured as follows:

- left button—selects objects and activates controls
- middle button—adjusts a selected group of objects, adding to or deselecting part of the group
- right button—displays and selects from menus.

This book uses this terminology throughout (even though it is possible for individual users to customize their devices to use the buttons in an alternative manner). In situations that allow more than one item to be selected from a list simultaneously, the following actions are supported:

- to select a single item in a list, click on the entry. Clicking a second time on a previously selected entry deselects it.
- to select a contiguous block of items, click on the first entry; then, without releasing the mouse button, drag to the last desired entry and release. (A subsequent click anywhere on the screen deselects all previous selections.)
- to extend a currently selected block, hold the **Shift** key down and click on the entry at the end of the group to be added
- to add a non-contiguous entry to the selection group, hold the **Ctrl** (Control) key down and click on the entry to be added.

Names of on-screen elements that you click, or select (menu names and commands, and controls such as buttons, drop-down lists, and so on) are printed in **bold** font.

Bold font is also used for keywords, names of commands and menus, and names of keys on the keyboard.

Text displayed as on-screen examples is printed in `courier` font.

When set off from the main text, words and characters you should enter by the keyboard are printed in **bold** font. When the word or character string is enclosed in angle brackets (< and >), you should substitute your own character string for the example presented in the text.

For example, when you see: login: **root**

you should specify the string **root** at the login prompt. However, when you see: password:
<*rootpassword*>

you should specify your own password in place of the character string <*rootpassword*>. The *italic style* is used to emphasize words, to introduce new terms, and for titles of printed publications (however, not titles of CD-ROMs or floppy disks).

