



Preface

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General Description

The Cisco TelePresence Multipoint Switch (CTMS) is designed to support multipoint (multi-location) Cisco TelePresence meetings for up to 48 table segments (48 single-screen systems, 16 three-screen systems, or a mix of both) in a single meeting. [Table 1](#) summarizes some of the features of the CTMS:

Table 1 *CTMS Features*

Feature	Benefit
Scalability	CTMS is designed to support small workgroup applications to large Cisco TelePresence multipoint meetings. Up to 48 table segments are supported.
Simple scheduling and “one-button-to-push” dialing	CTMS and integration to Cisco TelePresence System Manager (CTS-Man) allows scheduling through the enterprise calendar (for example, Microsoft Outlook) and easy one-button-to-push call launch for both point-to-point and multipoint meetings.
Scheduled and non-scheduled meeting support	During an active meeting, the conference manager can add another party using the CTMS Administration software.
Audio add-on	Audio only participants can be added to any multipoint meeting using the audio add-on feature supported by CTS endpoints.
Video switching	Voice-activated site and segment video switching supported.

Table 1 **CTMS Features (continued)**

Feature	Benefit
Video announce	Upon joining the meeting, Cisco TelePresence rooms will be shown to all other rooms for two seconds. This prevents a muted room from joining without being noticed.
Comprehensive diagnostics	Diagnostics features include system status information, alarms, downloadable error logs and Simple Network Management Protocol (SNMP) support.
Call detail records	Call records provide meeting beginning and ending information as well as meeting participant details.

New in CTMS Release 1.5


Note

For the most recent version of the CTMS Release 1.5 Administration Guide, see the online version of the document at the following URL:

http://www.cisco.com/en/US/products/ps7315/prod_maintenance_guides_list.html

Cisco TelePresence Manager (CTS-Man) Intercompany Communication

CTMS Release 1.5 now includes additional CTS-Man configuration fields to define the dialing system CTMS and CTS-Man use to establish intercompany TelePresence meetings.

CTMS Security Features

Starting with CTMS Release 1.5, CTMS supports the following security features:

- Multipoint Encryption (MPE)
- Media Encryption in the absence of Secured SIP Signalling
- Secured Web-Services communication between CTMS and CTS-Man

HTTP Proxy for CTMS

CTMS Release 1.5 supports an inbound HTTP Proxy for CTMS. The external URL provides CTMS web services for external third-party web service clients in an intercompany communication environment.

NTP Server Configuration

CTMS Release 1.5 supports Network Time Protocol (NTP); NTP is used to synchronize the clocks on Cisco IP telephony servers with an external network time server that uses NTP.

System Requirements

- Cisco MCS-7845-H2 or MCS-7845-I2 Media Convergence Server
- Cisco TelePresence System software, Release 1.4.3, 1.4.4, 1.4.5 or 1.5, depending on the features you select. For full feature functionality, we recommend that you install CTS Release 1.5.
- Cisco TelePresence Manager, Release 1.4.0 or 1.5.0, depending on the features you select.
- Cisco Unified Communications Manager (Cisco Unified CM), Release 6.1.3 or 7.0.2; If you decide to deploy the new CTS Release 1.5 Enhanced Phone User Interface (MIDlets), you must install Cisco Unified CM Release 7.0.2.
- SBC 3.7.1 plus patch
- CTS-500, CTS-1000, CTS-3000 and/or CTS-3200 systems

CTMS Release 1.5 Administration Guide Organization

The *CTMS Release 1.5 Administration Guide* is organized into the following chapters:

- Chapter 1: “Using CTMS Administration Software”
This section provides information about the CTMS Administration software interface
- Chapter 2: “Configuring Cisco Unified Communications Manager for CTMS”
This section provides instructions on how to configure Cisco Unified Communications Manager (Cisco Unified CM) so that it supports CTMS functionality.
- Chapter 3: “Installing CTMS Administration Software”
This section describes how to install the CTMS administration software on the Cisco MCS-7800 Series Media Convergence Server.
- Chapter 4: “Configuring CTMS Administration Software”
This section provides information about configuring the initial CTMS system settings.
- Chapter 5: “Managing Meetings”
This section describes how to set up and administer static and ad hoc meetings using CTMS Administration software.
- Chapter 6: “Troubleshooting the CTMS System”
This section describes how to view and categorize system error messages and alerts, and how to filter and download log files.
- Chapter 7: “Monitoring CTMS System Processes”
This section describes how to monitor the CTMS system processes using the tools available in CTMS.
- Chapter 8: “Interoperability with Legacy Video Conferencing Devices”
This section describes how to configure settings in Cisco Unified CM, CTMS and Cisco Unified Video Conferencing MCUs (CUVC) to support Cisco TelePresence Interoperability.

For command line interface (CLI) commands associated with CTMS, refer to *Cisco TelePresence Multipoint Switch Release 1.5 Command 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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