Cisco TelePresence Conductor

Simple, Natural Conferencing

Product Overview

Cisco TelePresence® Conductor software simplifies multiparty video collaboration. It orchestrates the allocation of conferencing resources for every user in a meeting. Cisco TelePresence Conductor helps to ensure that the user experience is always, consistent, irrespective of user, meeting type and endpoint. TelePresence Conductor is a virtualized application.

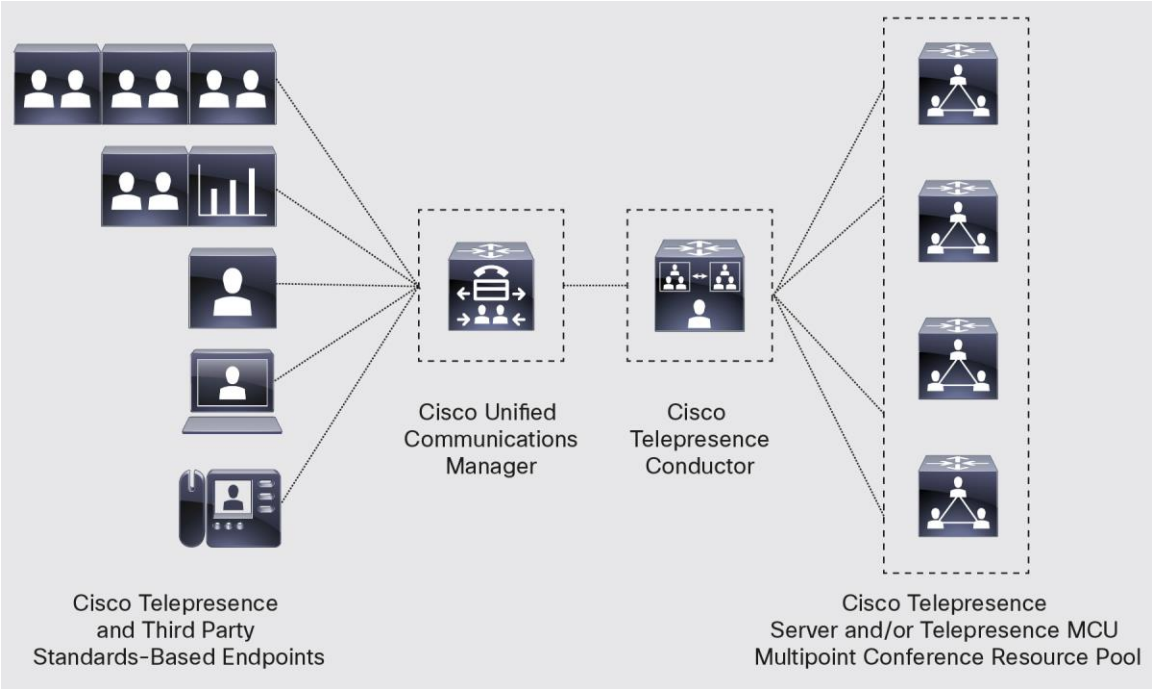
When deployed in conjunction with Cisco TelePresence Management Suite Provisioning Extensions (Cisco TMSPE), Collaboration Meeting Rooms (CMRs) may be provisioned simply and rapidly. TelePresence Conductor also facilitates large-scale user self-service, allowing users to create and configure their personal CMR preferences

Enabling increased scale, and reducing the administration effort required to manage conferences, TelePresence Conductor simplifies conferencing management.

Administrators can specify the exact service level and experience required for each user. For example, administrators can determine whether users enjoy standard- or high-definition video, how many participants may connect, the maximum service level available to attendees, and even which Cisco TelePresence Server or Cisco TelePresence Multipoint Control Unit (MCU) is selected, according to geographic location.

Figure 1 shows a sample deployment of TelePresence Conductor working with Cisco® Unified Communications Manager (Cisco UCM). TelePresence Conductor also works in conjunction with Cisco Expressway, and with Cisco Video Communication Server (VCS) where required; for example, to support H.323 and Session Initiation Protocol (SIP) interworking and/or provide firewall traversal.

Figure 1. Conference Resource Orchestration with Cisco TelePresence Conductor



Cisco TelePresence Conductor offers many benefits:

- Intuitive Experience
- Highly scalable conferencing
- Reduced administration overhead
- Service differentiation, allowing administrators to define specific classes of service for different groups of users
- Enabling users to meet the way they want – either in instant, personal and scheduled conferencing modes
- Allows conferences to dynamically grow and even exceed the capacity of individual conferencing resources
- Scales from small businesses to large enterprises, supporting expansion as usage increases
- Simplifies the administration and management of conference configuration through intelligent optimization of multipoint resources (note that intelligent optimization is supported only on Cisco TelePresence Server)

Cisco TelePresence Conductor is offered as a virtualized application running on Cisco Unified Computing System™ (Cisco UCS®) platforms or third-party server platforms, TelePresence Conductor licenses can be purchased using Personal Multiparty licenses , For more details visit http://www.cisco.com/go/personalmultiparty.

Features of Cisco TelePresence Conductor include:

- Dynamic conference growth and ad-hoc conference escalation, allowing dynamic two- to three-way conferencing. Conferences may even grow beyond the capacity of a single TelePresence MCU or TelePresence Server (if an administrator allows), to support huge conferences spanning many conference bridges, to allow administrators to cater for all conferencing requirements.

- Customizable templates that define the characteristics of a conference and can be tailored for each user's specific requirements and their service level entitlements.
- Conference personalization which helps ensure the conferencing experience is tailored to meet each user's personal preferences for settings such as layout and personal identification numbers (PINs).
- Conference virtualization: Cisco TelePresence Conductor dynamically selects the most appropriate Cisco TelePresence resources for each new conference.
- Pooled resource orchestration and load balancing, improving service availability.

Cisco TelePresence Conductor configurations

Cisco TelePresence Conductor Essentials

- Cisco TelePresence Conductor software can be downloaded as a virtualized application and installed without a release key in limited-capacity mode, enabling conference resource orchestration for a single, standalone Cisco TelePresence Server or Cisco TelePresence MCU.
- Support is provided through Cisco Support Community forums.

Cisco TelePresence Conductor Select

- For small to medium-sized deployments, TelePresence Conductor Select enables support for up to 50 concurrent call sessions (meeting participants), enabling conference resource orchestration for more than one Cisco TelePresence Server or Cisco TelePresence MCU.
- Customers may buy a second TelePresence Conductor select and cluster two together to provide resillience.

Cisco TelePresence Conductor

- For larger deployments, the full-capacity version of Cisco TelePresence Conductor is required.
- Up to 2400 concurrent call sessions (meeting participants) or up to 30 Cisco TelePresence Servers or TelePresence MCUs are supported by one full-capacity Cisco TelePresence Conductor.
- Customers may buy up to three full-capacity Cisco TelePresence Conductors and cluster them to provide resilience.

Table 1 Summarizes capacity and clustering capability of Cisco TelePresence Conductor.

Table 1. Capacity and Clustering Capability for Different Sized Deployments of Cisco TelePresence Conductor

	Cisco TelePresence Conductor Essentials	Cisco TelePresence Conductor Select	Cisco TelePresence Conductor
	Limited Capacity Virtual Application	**Medium Capacity Virtual Application**	**Full Capacity Virtual Application or Dedicated Appliance**
Suitable deployment	Small	Small to medium-sized	Medium-sized to large
Total number of conference bridges supported	1 (standalone)	30	30
Maximum number of concurrent call sessions supported	The number of calls supported by the conference bridge	50	2400
Clustering of TelePresence Conductors supported for resilience	No	Yes (limited to 2 medium capacity TelePresence Conductors)	Yes (up to 3 TelePresence Conductors)
Access to TAC support	No. (Support is provided through Cisco Support Community forums)	Yes	Yes
Release and option keys required to install	No release or option key required	Upgrade option key to support 50 concurrent call sessions required	Full capacity TelePresence Conductor release key required

System Specifications

Table 2 lists specifications of Cisco TelePresence Conductor.

Table 2. Specifications of Cisco TelePresence Conductor

User interface	• Supports Internet Explorer 8 or later, Firefox 3 or later, Google Chrome, and Safari web browsers
Supported Cisco UCM and Cisco VCS versions	• Supports Cisco UCM 8.6.2 or later (Version 9.1.1 or later is recommended to support encryption of rendezvous and ad-hoc calls using Secure Real-Time Transport Protocol (SRTP) and SIP Transport Layer Security (TLS). Refer to the Optimized Conferencing for Cisco Unified Communications Manager Solution Guide for more information.) • Supports Cisco VCS Version X6.0 or later
Management	• Supports management and monitoring of Cisco TelePresence Conductor Conferences with Cisco TelePresence Management Suite (TMS) (The latest version of Cisco TMS is recommended) • Supports call logging and diagnostics • Supports logging to a syslog server
Resilience	• Full-capacity versions can be deployed in triple-redundant cluster • Two medium-sized Conductor virtual machines, supporting up to 50 concurrent call sessions, can be clustered together • Supports duplicated databases and duplicated data
Cisco TelePresence Server and MCU support	Supports the Cisco TelePresence MCU (version 4.4 or later) and TelePresence Server (version 4.0 or later). (Cisco Conference bridges with earlier versions of software will work, however, in order to support all features and functionality we strongly recommend that MCUs and TelePresence Servers run the latest software versions.)
Language	• English
Cisco TelePresence Conductor Virtualized Application	
Server requirements for Cisco TelePresence Conductor Virtualized Application	• Cisco UCS Servers or third-party servers that meet the minimum requirements • VMware vSphere or vCentre server running ESXi v4.1, ESXi v5.0 (update 1), ESXi v5.1 or ESXi v5.5 • Two 2.4GHz (minimum), 2.8GHz (recommended) host CPU cores per Cisco TelePresence Conductor Virtual Machine; 6-GB RAM per virtual machine; 132-GB disk space per virtual machine (4-GB virtual disk 1 plus 128-GB virtual disk 2) For full details, refer to the Cisco TelePresence Conductor Deployment Guide.

Ordering Information

To order Cisco TelePresence Conductor virtual applications or appliances, visit the Cisco Ordering Home Page and refer to Table 3, below. For details on how to order TelePresence Conductor on a per-user basis, as part of a Personal Multiparty conferencing solution for Named Hosts visit http://www.cisco.com/go/personalmultiparty.

Table 3. Ordering Information

Product Name	Part Number
Cisco TelePresence Conductor Essentials	
Limited capacity Virtual TelePresence Conductor; supports a single standalone TelePresence Server or TelePresence MCU	N/A (TelePresence Conductor .ova software can be downloaded from http://software.cisco.com/download)
Cisco TelePresence Conductor Select	
Mid-market Virtual TelePresence Conductor , supports up to 50 Call Sessions	R-VMCNDTRM-K9
Upgrade from TelePresence Conductor Select for Mid-market to Full Capacity Virtual TelePresence Conductor	L-CNDTR-UG-PAK
Full Capacity Cisco TelePresence Conductor	
Cisco TelePresence Conductor-30 MCUs/2400 Call Sessions (Virtualized Application)	R-VMCNDTR-K9

Service and Support

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For More Information

For more information, visit the Cisco TelePresence Conductor homepage at http://www.cisco.com/go/telepresenceconductor or contact your local Cisco account representative.

This product includes software developed by Computing Services at Carnegie Mellon University. This product includes software developed by the University of California, Berkeley, and its contributors.

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Printed in USA C78-709046-12 01/15