Cisco TelePresence
Cisco on Cisco Technology Seminar

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Agenda

TelePresence Technology Overview

- Design Solution for Cisco
  - Architecture
  - Network

- Deploy Solution
  - Readiness
  - Deployment
  - Experience (RRA, CTX)

- Support and Management
  - Support Engineering
  - Metrics
  - Entitlement
TelePresence

Cisco TelePresence is an innovative, new technology that creates unique, in-person experiences between people, places, and events in their work and personal lives—over the network.

- Greater Productivity
- Faster Decision Making and Improved Time to Market
- Improved Responsiveness
- Improved Communication and Collaboration with Co-Workers, Partners, and Customers
TelePresence Technology Overview

Audio/Visual Technology

- Telepresence systems incorporate the most up-to-date standards and technologies to offer the best audio and visual results:
  - H.264 video codecs to offer the highest quality at lowest bit rate
  - Session Initiation Protocol (SIP)
  - Native 720p and 1080p high-definition cameras
  - Native 720p and 1080p high-definition encoding/decoding
  - Low-latency architecture and low bandwidth utilization
  - Wideband advanced audio coding with low delay (AAC LD)
  - Multichannel spatial audio with echo cancellation and interference filters to eliminate feedback from mobile devices
  - Optimized environmental conditioning to provide the best audio and video and overall user experience
## TelePresence Technology Overview

### Network

- Uses the standard IP technology deployed in corporations today
- Runs on an integrated voice/video/data network
- Such systems support high-quality, real-time voice and video communications with branch offices using broadband connections
- They also offer capabilities for ensuring quality of service (QoS), security, reliability, and high availability for high-bandwidth applications such as Hi-def video
TelePresence Technology Overview

Hardware-Optimized Environment

- These systems include purpose-built office furniture, which incorporate cameras and displays, lighting, speakers, microphones, and projection capability into a specially designed table for larger rooms.

- Also in smaller configurations, with existing office furniture.
TelePresence Technology Overview

Software Applications

- Standards based TelePresence applications accommodate converged voice and video transmissions, such as:
  
  IP telephony: Works with IP-based phones and call-processing systems from the major networking and telecommunications vendors. Simplifies call launching using a Telephone instead of myriads of remote controls.

  Groupware: Integration with enterprise groupware solutions (such as Microsoft Outlook and Lotus Notes) accommodates easy scheduling of meetings and access to corporate information.

  Services: They should enable easy scheduling, management, reporting, billing, and metrics applications to ensure proper tracking and bill-back of activity on the system, as well as real-time support services.
TelePresence Technology Overview

CTS3000

It’s All About the Experience

- Every participant at table, life-size in high definition (1080p)
- Audio from person speaking
- Speak normal voice level
TelePresence Technology Overview

CTS1000

Simplicity

Technology Invisible to the User with No Training
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