Cisco TelePresence Fundamentals

Tim Szigeti, Kevin McMenamy, Roland Saville, Alan Glowacki

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Cisco TelePresence Fundamentals Tim Szigeti, Kevin McMenamy, Roland Saville, Alan Glowacki Cisco TelePresence™ Systems (CTS) create live, face-to-face meeting experiences, providing a breakthrough virtual conferencing and collaboration experience that transcends anything previously achievable by videoconferencing. Although the business case for deploying CTS is compelling, implementing it requires advanced knowledge of the latest networking technologies, an attention to detail, and thorough planning. In this book, four leading CTS technical experts cover everything you need to know to successfully design and deploy CTS in your environment.

The authors cover every element of a working CTS solution: video, audio, signaling protocols and call processing, LAN and WAN design, multipoint, security, inter-company connectivity, and much more. They deliver start-to-finish coverage of CTS design for superior availability, QoS support, and security in converged networks. They also present the first chapter-length design guide of it's kind detailing the room requirements and recommendations for lighting, acoustics, and ambience within various types of TelePresence rooms.

Cisco Telepresence Fundamentals is an indispensable resource for all technical professionals tasked with deploying CTS, including netadmins, sysadmins, audio/video specialists, VoIP specialists, and operations staff. This is the only book that:

- Introduces every component of a complete CTS solution and shows how they work together
- Walks through connecting CTS in real-world environments
- Demonstrates how to secure virtual meetings using Cisco firewalls and security protocols
- Includes a full chapter on effective TelePresence room design
- Walks through every aspect of SIP call signaling design, including both single-cluster and intercluster examples for use in a TelePresence environment
- Provides prequalification, room, and network path assessment considerations to help you anticipate and avoid problems

Tim Szigeti, CCIE® No. 9794, technical leader within the Cisco® Enterprise Systems Engineering team, is responsible for defining Cisco TelePresence network deployment best practices. He also coauthored the Cisco Press book End-to-End QoS Network Design. Kevin McMenamy, senior manager of technical marketing in the Cisco TelePresence Systems Business Unit, has spent the past nine years at Cisco supporting IP videoconferencing, video telephony, and unified communications. Roland Saville, technical leader for the Cisco Enterprise Systems Engineering team, tests and develops best-practice design guides for Cisco TelePresence enterprise deployments. Alan Glowacki is a Cisco technical marketing engineer responsible for supporting Cisco TelePresence customers and sales teams.

- Use Cisco TelePresence Systems (CTS) to enhance global teamwork and collaboration, both within your own enterprise and with your customers, partners, and vendors
- Understand how the various components of the Cisco TelePresence Solution connect and work together
- Integrate CTS into existing LAN, enterprise, and service provider networks
- Successfully design and deploy a global TelePresence network
- Understand the importance of room dimensions, acoustics, lighting, and ambience and how to properly

design the physical room environment
- Provide the high levels of network availability CTS requires
- Leverage the Cisco quality of service (QoS) tools most relevant to CTS network provisioning and deployment
- Systematically secure CTS using TLS, dTLS, sRTP, SSH, and Cisco firewalls

This book is part of the Cisco Press® Fundamentals Series. Books in this series introduce networking professionals to new networking technologies, covering network topologies, sample deployment concepts, protocols, and management techniques.

Category: IP Communications
Covers: Cisco TelePresence Systems

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