



# Cisco TelePresence Endpoint Installation, Configuring and Troubleshooting v2.0 - TEICT

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## Course Details

### Course Outline

#### 1. Cisco Endpoints

- Cisco TelePresence Endpoint Portfolio Overview
- Cisco DX Series Endpoint Characteristics
- Cisco TelePresence TC/CE Software-Based Endpoint Characteristics
- Cisco TelePresence SX Series Endpoints
- Cisco TelePresence DX Series Endpoints
- Cisco TelePresence MX Series Endpoints
- Cisco TelePresence Spark Room Kits
- Cisco 8800 Series Phones
- Cisco Intelligent Proximity
- Cisco TelePresence TC/CE Software-Based Endpoint Peripherals
- Cisco TelePresence TC/CE Software-Based Endpoint Deployments
- Cisco TelePresence Integrator C Series-Based Endpoints
- Cisco Jabber Video for TelePresence Characteristics

#### 2. SIP and H.323 Networking Basics

- Basic Network Configuration
- Understanding H323 and SIP
- Understanding SIP and H323 Call Flows
- H323 and SIP Interworking

#### 3. Provisioning Endpoints

- VCS vs Expressway
- CE vs TC Endpoint Software
- Upgrading Endpoints
- H.323 vs SIP Registrations



- Endpoint Registration Process
- Network Time Protocol
- VLAN Discovery Process
- Manual Endpoint Registration to CUCM
- Endpoint Registration to CUCM using TFTP
- CUCM Endpoint Configuration
- Verifying Endpoints Registration on CUCM
- Verifying CUCM Registration on Endpoint
- Monitoring Endpoints on CUCM
- Endpoint Registration to VCS or Expressway
- Endpoint Configuration for VCS or Expressway
- Verifying Endpoints Registration on VCS or Expressway
- Verifying Endpoints Registration on Endpoint
- Monitoring Endpoints on VCS or Expressway
- Viewing Logs on Telepresence Endpoints
- View Call History and Search History on VCS or Expressway
- Troubleshooting Endpoint Registrations and Calls.

#### **4. Overview of Cisco Conferencing Solutions**

- Cisco TelePresence Multipoint Media Infrastructure Overview
- Cisco TelePresence MCU
- Cisco TelePresence Server
- Cisco TelePresence Conductor
- Cisco Meeting Server (CMS)
- Cisco TelePresence MultiSite
- Ad Hoc Multipoint Conferences
- Rendezvous/Meet-Me Conferences

#### **5. Cisco TelePresence Management Suite (TMS)**

- What TMS is used for in a Telepresence Environment
- Endpoint Discovery Process
- Endpoint Configuration
- Phonebooks & Phonebook Sources



- Conference Monitoring
- Booking & Scheduling
- Participant Types
- Methods
- Scheduler / Smart Scheduler

## **6. Cisco Cloud Solutions**

- Cisco Spark
- Spark Rooms
- Spark Messaging
- Spark Calling
- Spark Meeting
- Spark Hybrid Integration with On Premise Telepresence
- Cisco Webex
- Integration with On Premise Telepresence

## **7. Labs**

- Lab: Implement Cisco Collaboration Endpoints
- Lab: Register, Configure and Verify Telepresence SX80, EX90, 8800 Series IP Phones and Jabber to Cisco Unified Communications Manager
- Lab: Monitor and Troubleshoot Cisco Endpoints registered on CUCM
- Lab: Register, Configure and Verify Telepresence SX10, C60, to VCS and Expressway
- Lab: Monitor and Troubleshoot Cisco Endpoints registered on VCS and Expressway
- Lab: Operate and Troubleshoot Cisco Collaboration Endpoints using the Web Interface
- Lab: Implement and Monitor Conferences on Cisco Collaboration Endpoints
- Lab: Use TMS to Configure and Monitor Telepresence Conferences