



# Hands-on Cisco TelePresence Training

- Implementing Express TelePresence Video Solutions (PAIETVS)
- Implementing Cisco Unified Communications Manager for Cisco TelePresence Video (PAIUCMTV)
- Implementing Advanced TelePresence Video Solutions Part 1 (PAIATVS1)
- Implementing Advanced TelePresence Video Solutions Part 2 (PAIATVS2)
- Implementing Cisco TelePresence Solutions Immersive (ITSI)
- Installing TelePresence Video Immersive Systems (PAITVIS)



# Implementing Express TelePresence Video Solutions (PAIETVS)

ID CI-PAIETVS Price: \$1,595 or 16 CLC's Duration: 2 Days

## WHO SHOULD ATTEND

- Installation and support engineers installing the Express Partner equipment
- Sales engineers demonstrating Express Partner equipment

## PREREQUISITES

The knowledge and skills that a learner must have before attending this course are as follows:

- Completed and passed the PATVSEE exam
- Completed the ELT component of the PAIETVS course

## COURSE OBJECTIVES

At the end of the 2 day course students will be able to install and operate a basic Cisco TelePresence network. Upon completing this course, the learner will be able to meet these overall objectives to put into practice the skills learnt within the online component of the course including:

- Installing , configuring and operating a Cisco TelePresence C40 codec
- Configuring a Cisco TelePresence Video Communication Server
- Configuring and operating a Cisco TelePresence MCU 4501
- Configuring and operating a Cisco TelePresence Management Suite

## COURSE CONTENT

- Endpoints
  - Cable up the C40 Codec
  - Configure the C40 Codec
  - Register the C40 Codec for SIP
  - Test SIP calls
  - Register the C40 Codec for H.323 and Interworking
  - Test H.323 and Interworking calls
- Call Control
  - Configuration of IP settings
  - SIP domain and SIP configuration settings
  - Configuration of H.323 and Interworking settings
  - C40 Inbuilt multipoint and presentation capabilities
  - Configuration backup
- MCU
  - MCU Setup
  - MCU Operation
  - MCU Backup
- Management
  - Booking
  - Monitoring
  - Managing Systems
  - Phone Books



# Implementing Cisco UC Manager for Cisco TelePresence Video (PAIUCMTV)

ID CI-PAIUCMTV Price: 2,395 190,00 or 24 CLC's Duration: 3 Days

## WHO SHOULD ATTEND

The primary audience for this course is as follows:

- Video Network engineers that install Cisco TelePresence solutions

The secondary audience for this course is as follows:

- Systems engineers that work with Cisco TelePresence solutions

## PREREQUISITES

The knowledge and skills that a learner is recommended to have before attending this course are as follows:

- Working knowledge of fundamental terms and concepts of computer networking, including LANs, WANs, and IP switching and routing
- Ability to configure and operate Cisco routers and switches and to enable VLANs and DHCP
- Basic understanding of digital interfaces, PSTN, and VoIP
- Fundamental knowledge of converged voice, video, and data networks
- Ability to configure Cisco IOS gateways with traditional and VoIP call legs



## COURSE OBJECTIVES

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe Cisco Unified Communications Manager, including its functions, architecture, deployment and redundancy options
- Perform Cisco Unified Communications Manager initial configuration and user management
- Configure Cisco Unified Communications Manager to support on-cluster calling
- Implement PSTN access in Cisco Unified Communications Manager and build a dial plan in a single-site Cisco Unified Communications Manager deployment
- Describe how to secure and maintain a Cisco Unified Communications solution

## COURSE CONTENT

Implementing Cisco Unified Communications Manager for Cisco TelePresence Video (PAIUCMTV) v1.0 prepares you to implement a Cisco Unified Communications Manager solution focused on supporting a Cisco TelePresence video conferencing solution. This course focuses primarily on Cisco Unified Communications Manager v8.0 and its call routing and signaling component for the Cisco Unified Communications solution. You will perform Cisco Unified Communications manager post-installation tasks, configure endpoints such as deploying a Cisco TelePresence system onto a Cisco Unified Communications solution, configure Cisco Unified Communications Manager for a video network, implement Media Gateway Control Protocol (MGCP) and H.323 gateways, and build dial plans to place on-net and off-net phone calls. You will also implement QoS for internal calls, incoming PSTN calls, and outgoing PSTN calls.



# Implementing Advanced TelePresence Video Solutions Part 1 (PAIATVS1)

ID CI-PAIATVS1 Price: \$3,995 or 40 CLC's Duration: 5 Days

## WHO SHOULD ATTEND

- Installation and support engineers installing, maintaining and troubleshooting the Cisco TelePresence solutions
- Sales engineers planning Cisco TelePresence solutions

## PREREQUISITES

The knowledge and skills that a learner must have before attending this course are as follows:

- Completed and passed the PATVSEE exam
- Completed and passed the PATVSEA exam

## COURSE OBJECTIVES

The Advanced TelePresence Video Solutions Part 1 course is designed to empower the partner with the capacity to install, configure, maintain and troubleshoot a Cisco TelePresence network so that 80% of all field activity is unassisted. Upon completing this course, the learner will be able to meet these overall objectives:

- Locate support documentation, install, operate, configure, maintain, and troubleshoot Cisco TelePresence Codec C90
- Describe Call Control protocols, install, configure basic registration capabilities, and troubleshoot Cisco TelePresence Video Communications Server (VCS)
- Locate support documentation, install, operate, configure, maintain, and troubleshoot the Cisco TelePresence MCU range
- Install, operate, configure, maintain, and troubleshoot the Cisco TelePresence Management Suite (TMS)

## COURSE CONTENT

- Endpoints
  - C Series Operation
  - C Series Documentation
  - C Series Installation
  - C Series Configuration
  - C Series Maintenance
  - C Series Troubleshooting
- Call Control
  - Registration Protocols and VCS Installation
  - VCS Basic Configuration
  - Backup, Restore and Upgrade
  - Troubleshooting
- MCU
  - MCU Setup
  - MCU Configuration
  - MCU Operations
  - MCU Customization
  - MCU Global Conference Settings
  - MCU Upgrades and Backups
  - MCU Troubleshooting
- Management
  - Operation
  - Installation
  - SQL
  - Zones
  - Permissions
  - Troubleshooting



# Implementing Advanced TelePresence Video Solutions Part 2 (PAIATVS2)

ID CI-PAIATVS2 Price: \$3,995 or 40 CLC's Duration: 5 Days

## WHO SHOULD ATTEND

- Installation and support engineers installing, maintaining and troubleshooting the Cisco TelePresence solutions
- Sales engineers planning Cisco TelePresence solutions.

## PREREQUISITES

The knowledge and skills that a learner must have before attending this course are as follows:

- Completed and passed the PATVSEE exam
- Completed and passed the PATVSEA exam
- Implementing Advanced TelePresence Video Solutions Part 1 (PAIATVS1)

## COURSE OBJECTIVES

Upon completing this course, the learner will be able to meet these overall objectives:

- Recognize the MSE 8000 chassis and the corresponding blades available including their function
- Be able to operate a Cisco TelePresence Server to enable mixed network calls between CTS and other Cisco TelePresence endpoints
- To be able to configure and operate a Cisco TelePresence Content Server
- To be able to configure a Cisco TelePresence Video Communication Server for subzones, zones, complex dial plans and security requirements
- To be able to use the Cisco TelePresence Management Suite and Cisco TelePresence Communication Server to provision Movi and E20 systems



## COURSE CONTENT

- Cisco TelePresence Server and the TelePresence Interoperability Protocol
  - Cisco TelePresence MSE8000
  - Cisco TelePresence Server
  - TIP and Cisco Interoperation Support
- TelePresence Content Server
  - Recording Features and Functions
  - Configuration and Operation
  - Extending TCS Functionality
- Call Control
  - Registration
  - Security
  - Subzones
  - Zones
  - Backups and Upgrades
  - Traversal Zones
  - Call Policy
  - FindMe
  - Searches
  - TAC Files
  - Certificates
  - Presence
  - LDAP Authentication
  - Calls to Unregistered Endpoints
  - Regular Expressions
  - ENUM and DNS Dialing
  - Conference Factory
  - Redundancy
- Provisioning
  - Documentation
  - System Components
  - Configuration
  - Provisioning User Accounts
  - Troubleshooting



# Implementing Cisco TelePresence Solutions Immersive (ITSI)

ID CI-ITSI Price: \$3,995 or 40 CLC's Duration: 5 Days

## WHO SHOULD ATTEND

- Installation Technicians
- Network Designers
- System Engineers

## PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1), Interconnecting Cisco Network Devices Part 2 (ICND2), Implementing Cisco Quality of Service (QOS), Implementing Cisco Unified Communications Manager Part 1 (CIPT1) courses

## COURSE OBJECTIVES

The TelePresence Power Workshop is a five-day, instructor-led course designed to help you prepare for the Cisco TelePresence Solutions Specialist certification, a professional-level certification for those specializing in the Cisco TelePresence field. The course provides a complete solution for the Cisco TelePresence Solutions Specialist curriculum. The course will provide you with a firm understanding of installation to ongoing management. Upon completing this course, you will be able to meet these overall objectives:

- Describe a Cisco TelePresence solution and the technology that makes it work
- Perform an RRA on a chosen Cisco TelePresence room to validate its acceptability
- Assemble the Cisco TelePresence Systems 3000 and 3200 structure and perform verification testing and component configuration
- Describe a Cisco TelePresence solution and the technology that makes it work
- Describe and configure a Cisco TelePresence system endpoint
- Describe the Cisco TelePresence architecture
- Describe the extended features of Cisco TelePresence

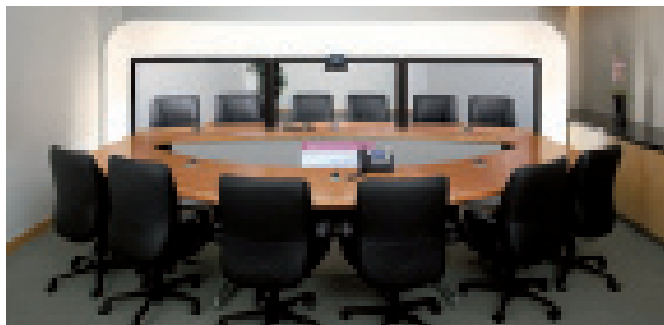
## COURSE CONTENT

- Introduction to Cisco TelePresence
  - Exploring the Cisco TelePresence Solution
  - Exploring the Cisco TelePresence Environments
  - Planning a Cisco TelePresence Room Design
- Cisco TelePresence Planning and Assessment
  - Managing the Project and Product Order
  - Examining Room Readiness Requirements
  - Examining the Basics of Acoustics
  - Examining Lighting Basics
  - Examining Lighting Basics
  - Planning a Cisco TelePresence Room Design
- Physical Assembly and Logistics
  - Preparing for a Cisco TelePresence System Installation
  - Assembling the Cisco TelePresence Systems 3000 and 3200
  - Assembling the Cisco TelePresence Systems 500, 1000, 1100, and 1300
  - Installing Auxiliary Displays
  - Installing a Document Camera
  - Wiring
  - Tuning the Cisco TelePresence System
- Cisco TelePresence Call Control

- Integrating Cisco TelePresence Endpoints with Cisco Unified Communications Manager
- Examining the Cisco TelePresence User Interface
- Cisco TelePresence Network Architecture
  - Deploying a Cisco TelePresence Network
  - Shaping and Policing
  - Setting a QoS Policy
  - Designing WAN and Branch QoS Policies
  - Understanding the NPA
  - Using the VSAA
- Cisco TelePresence Extended System Features
  - Understanding the Cisco TelePresence Multipoint Switch
  - Exploring One-Button-to-Push Without Cisco TelePresence Manager
  - Examining Cisco TelePresence Interoperability
  - Working with the Cisco TelePresence Recording Server
  - Examining Intercompany Communications
  - Examining Cisco TelePresence Security

## LABS

- Cisco TelePresence Demonstration to EBC (Optional)
- Assembling the Endpoint
- Using RRA Measuring and Test Equipment
- Performing an RRA Environmental Assessment
- Measuring RRA Acoustics and Illumination
- Programming the Codec
- Tuning the Cisco TelePresence Cameras and Testing Audio
- Registering the Cisco TelePresence Endpoint
- Completing a Cisco TelePresence Call Between Two Endpoints
- Performing an NPA Using VSAA
- Performing an NPA Using IP SLA
- Configuring the Cisco TelePresence Multipoint Switch
- Using the Cisco TelePresence Manager Prequalification Tool
- Configuring Cisco TelePresence Manager, Cisco Unified Communications Manager, and Microsoft Exchange Service Account
- Adding Users to Exchange
- Configuring Scheduled Meetings
- Enabling Cisco Unified Video Advantage
- Configuring the Cisco Unified Videoconferencing MCU with SIP
- Configuring the Cisco TelePresence Recording Server



# Installing TelePresence Video Immersive Systems (PAITVIS)

ID CI-PAITVIS Price: \$2,000 or 20 CLC's Duration: 2 Days

## WHO SHOULD ATTEND

The primary audience for this course is as follows:

- Installation and support engineers installing, maintaining and troubleshooting the Cisco TelePresence Immersive solution

The secondary audience for this course is as follows:

- Sales engineers planning Cisco TelePresence Immersive solutions.

## PREREQUISITES

The knowledge and skills that a learner must have before attending this course are as follows:

- Completed and passed the PATVSEE exam
- Completed and passed the PATVSEA exam
- Completed PAIATVS1 class
- Completed PAIATVS2 class

## COURSE OBJECTIVES

Upon completing this course, the learner will be able to meet these overall objectives:

- Understand the features, benefits and operation of the Cisco TelePresence T3
- Install the main components of the Cisco TelePresence T3 system
- Configure the main components of the Cisco TelePresence T3 system
- Operate the Cisco TelePresence T3 system
- Troubleshoot the Cisco TelePresence T3 system

## COURSE CONTENT

The Installing TelePresence Video Immersive Solutions course is designed to empower the partner with the capacity to install, configure, maintain and troubleshoot a Cisco TelePresence Immersive solution so that 80% of all field activity is unassisted.



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