

## Cisco Telepresence Installation and Configuration Training

**Duración: 5 Días**    **Código del Curso: TICT**    **Version: 1.0**

### Temario:

This 5-day course is designed to provide participants with the skills and knowledge needed to install and configure the main infrastructure components of a Cisco TelePresence® network. Infrastructure devices covered in this course include Cisco TelePresence Video Communication Server (VCS), Cisco TelePresence Management Suite (TMS), Cisco TelePresence Multipoint Control Unit (MCU), Cisco TelePresence Server, Cisco TelePresence Multipoint Switch (CTMS), Cisco TelePresence MSE 8000 and associated blades, and Cisco TelePresence Conductor. The provisioning of Cisco TelePresence System endpoints and Cisco® Unified IP Phones from Cisco Unified CM and configuring Session Initiation Protocol (SIP) trunks to link Cisco Unified CM to Cisco VCS is also covered in this course.

### Dirigido a:

This course is designed for engineers responsible for installing and configuring a telepresence network, and for support teams providing 2nd and 3rd level support.

### Objetivos:

- **After you complete this course you will be able to:**
- Install Cisco TelePresence appliance hardware, including Cisco VCS, Cisco TelePresence Conductor, Cisco MCUs, Cisco Gateways, and the Cisco TelePresence MSE 8000 chassis and assign IP addressing information
- Install Cisco TelePresence Management Suite (TMS) on a preconfigured Microsoft Windows Server, and configure basic settings
- Describe hardware requirements for Cisco TelePresence Multipoint Switch
- Describe how the Cisco Unified CM and Cisco VCS interact; describe which endpoints interoperate and how the Cisco TelePresence Server can be used to facilitate any endpoint working with any other endpoint
- Configure the basic settings needed on a Cisco VCS; interpret the messages sent by H.323 and SIP endpoints during a registration, a call, and a deregistration
- Describe video and audio standards used in Cisco TelePresence; describe call routes using the Cisco VCS and Cisco Unified CM devices; provision Cisco TelePresence System endpoints and Cisco Unified IP Video Phones using Cisco Unified CM, Cisco TMS, and Cisco VCS
- Create Search Rules and Transforms, a DNS Zone, and Subzones on the Cisco VCS for a given scenario; configure a Firewall Traversal connection and describe its effects on devices
- Configure a Cisco TelePresence Multipoint Switch, a Cisco TelePresence MCU, a Cisco TelePresence Server, Cisco TMS, Cisco TelePresence Conductor, and a Cisco ISDN Gateway
- Describe clustering capabilities of Cisco VCS, Cisco TMS, Cisco TelePresence Conductor, Cisco TelePresence Multipoint Switch, Cisco TelePresence Manager, Cisco TelePresence MCU, and Cisco TelePresence Server
- Describe the roles of a LAN and of QoS on a telepresence network
- Describe basic security features on Cisco TelePresence endpoints and infrastructure devices and the encryption capabilities of SIP and H.323 registrations and calls
- Use the Cisco VCS to prevent both calls and registrations of certain endpoints and describe the effects of authentication on Cisco TMS provisioning

### Prerequisites:

Attendees should meet the following prerequisites:

- Cisco TelePresence Support and Operations Training (TSOT) or equivalent knowledge and experience
- Networking knowledge, including IPv4 addressing, OSI 7-layer model, uses of switches and routers, Dynamic Host Configuration Protocol (DHCP), cabling, and DNS. **CCNA** Recommended

### Exámenes y certificación

Recommended preparation for exam(s):

- No related exam at this time

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## Contenido:

**Module 1: Initial Installation and Setup**

**Module 2: Gatekeepers and SIP Registrars**

**Module 3: Call Routing**

**Module 4: Traffic Management**

**Module 5: Cisco TelePresence Security**

**Module 6: Interoperability and Provisioning**

**Module 7: Device Configuration**

**Module 8: Clustering**

**Labs:**

- Lab 1: Cisco TMS Configuration
- Lab 2: Cisco VCS Initial Configuration and H.323 Setup
- Lab 3: Cisco VCS SIP Setup
- Lab 4: Cisco Unified CM and Cisco IP Communicator Configuration
- Lab 5: Call and Search Details
- Lab 6: Regular Expressions
- Lab 7: Cisco VCS: Transforms
- Lab 8: Cisco VCS: Neighbor Zones
- Lab 9: Cisco VCS and Cisco Unified CM
- Lab 10: Cisco VCS Expressway Configuration
- Lab 11: Cisco VCS DNS Zone Configuration
- Lab 12: Cisco VCS Subzone Configuration
- Lab 13: Cisco VCS Authentication
- Lab 14: Cisco Unified CM and CTS Configuration
- Lab 15: Cisco TMS Provisioning
- Lab 16: CTMS and Cisco Unified CM
- Lab 17: Cisco MCU Configuration
- Lab 18: Cisco TelePresence Conductor Configuration
- Lab 19: Cisco ISDN Gateway Configuration
- Lab 20: Cisco VCS Clustering

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## Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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