



Implementing Cisco Collaboration Conferencing (CLCNF) v1.0

Objetivos

After taking this course, you should be able to:

- Describe the Cisco conferencing architecture including cloud, hybrid, and on-premises conferencing
- Describe the physical deployment options and deployment models for Cisco Meeting Server, including Cisco Meeting Server 1000, 2000, and virtual machine
- Configure a Cisco Meeting Server single combined deployment for Web-Real Time Communications (WebRTC) endpoints within the enterprise
- Use APIs and the Cisco Meeting Server API Guide to configure profiles using Postman and the Webadmin API tool
- Configure a scalable and resilient deployment of Cisco Meeting Server with three servers for WebRTC endpoints within the enterprise
- Configure a scalable and resilient deployment of Cisco Meeting Server to support standard Session Initiation Protocol (SIP) and WebRTC connectivity outside the enterprise
- Configure a scalable and resilient deployment of Cisco Meeting Server to support recording and streaming of conferences
- Configure Cisco Unified Communications Manager and Cisco Meeting Server to support Rendezvous, Scheduled, and Ad-hoc conferencing for Cisco Unified CM registered endpoints
- Configure Cisco Meeting Server to integrate with a preconfigured on-premise Microsoft Skype for Business installation
- Install Cisco TelePresence Management Suite (Cisco TMS) and Cisco TelePresence Management Suite for Microsoft Exchange (Cisco TMSXE) on a single Microsoft Windows 2012 server and connect to an existing SQL environment
- Install and integrate Cisco Meeting Management with Cisco TMS and Cisco Meeting Server
- Set up and manage a scheduled conference with Cisco TMS and Cisco Meeting Management
- Capture and analyze logs from Cisco Meeting Server and Cisco Meeting Manager to diagnose faults, including a SIP connection error

Pre-requisitos

To fully benefit from this course, you should have the following knowledge and skills:

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- PC skills
- Addition and management of devices and users in Cisco Unified CM
- SIP signaling fundamentals
- Video endpoint operation and configuration
- Management of media resources in Cisco Unified CM
- Familiarity with Cisco Expressway ideal but not required
- Familiarity with APIs ideal but not required

Recommended Cisco offerings that may help you meet these prerequisites:

- **Cisco Collaboration Fundamentals (CLFNDU)**
- **Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)**
- **Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)**

Contenido

- Describing Cisco Conferencing Architecture
- Configuring a Single Combined Deployment
- Installing Cisco Meeting Server
- Using APIs with Cisco Meeting Server
- Configuring a Cisco Meeting Server Scalable and Resilient Deployment
- Configuring Business to Business (B2B) and WebRTC Firewall Traversal Connectivity for Cisco Meeting Server
- Configuring Recording and Streaming with Cisco Meeting Server
- Troubleshooting Cisco Meeting Server
- Integrating Cisco Meeting Server with Cisco Unified CM
- Integrating Cisco Meeting Server with Microsoft Skype for Business
- Installing and Operating Cisco TMS and Cisco TMSXE
- Installing and Integrating Cisco Meeting Management

Laboratorio

- Cisco Meeting Server Initial Configuration

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- Cisco Meeting Server Single Combined Deployment
- Install a Cisco Meeting Server Virtual Machine
- Using Postman with Cisco Meeting Server
- Using Cisco Meeting Server Webadmin API Tool
- Cluster Cisco Meeting Server Databases
- Cluster Cisco Meeting Server Call Bridges
- Configure Cisco Meeting Server Distributed Spaces and Active Directory
- Configure Cisco Meeting Server Scalable and Resilient Web Bridges
- Configure External WebRTC Connectivity for Cisco Meeting Server
- Configure External B2B Connectivity for Cisco Meeting Server
- Configure Cisco Meeting Server Recording
- Capturing Log Files in Cisco Meeting Server
- Troubleshoot Cisco Meeting Server
- Configure Cisco Meeting Server Integration with Cisco Unified CM Using a SIP Trunk
- Configure Cisco Meeting Server Integration with Cisco Unified CM as a Conference Resource
- Install, Upgrade, and Maintain Cisco TMS and TMSXE
- Configure Cisco TMS for Scheduled Conferences
- Manage Endpoints in Cisco TMS Part 1
- Manage Endpoints in Cisco TMS Part 2
- Cisco Meeting Management Initial Installation
- Integrate Cisco Meeting Management
- Manage Conferences in Cisco TMS and Cisco Meeting Management
- Specific Lab Issues

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