



# CISCO MEETING SERVER ADVANCED-COLLAB350

Course Code: 6009

Learn advanced techniques in installing, troubleshooting, and maintaining a single server and single server split deployment of Cisco Meeting Servers.

In this course, you will learn advanced techniques in installing, troubleshooting, and maintaining a single server and single server split deployment of Cisco Meeting Servers.

The recently purchased Acano collaboration hardware and software includes video and audio-bridging technology that allows customers to connect video systems from multiple vendors across both cloud and hybrid environments. Cisco has incorporated Acano collaboration technologies into the new Meeting Server tool.

## What You'll Learn

- Cisco Meeting Server API commands
- Scalable and resilient deployments
- Customization
- Recording

## Who Needs to Attend

- Channel partners and reseller engineers installing, configuring, and maintaining scalable and resilient deployments of Cisco Meeting Server
- Channel partners and reseller engineers providing presales support for scalable and resilient Cisco Meeting Server deployments
- Customer engineers supporting scalable and resilient Cisco Meeting Server deployments



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CLASSROOM LIVE

\$2,600 CAD

3 days

## Classroom Live Outline

### 1. Reviewing Cisco Meeting Server Intermediate

- Component parts of a Cisco Meeting Solution
- Configuration steps for a Cisco Meeting Solution

### 2. APIs

- Purpose of APIs
- Benefits of APIs
- Types of APIs
- Function of the GET, POST, PUT, and DELETE commands

### 3. Configuring Software with an API

- How a user can interact with software using an API
- Download and install Chrome Postman
- Other API software
- Download the Cisco Meeting Server API guide

### 4. Configuring Spaces with the Cisco Meeting Server API

- Cisco Meeting Server API structure
- Use Chrome Postman for information on calls and spaces with the GET command
- Use Chrome Postman to post a new call space with the POST command
- Use Chrome Postman to place changes in a space, including adding a member, with the PUT command
- Use Chrome Postman to delete a space with the DELETE command

### 5. Customization Configuration

- Create and modify a user profile and assign users  
Create and modify a dual-tone multifrequency (DTMF) profile and apply to a user profile

Modify the interactive voice response (IVR), color scheme, and background

## 6. Planning a Resilient and Scalable Cisco Meeting Server Deployment

- Resilient server solutions
- Scalable server solutions
- Geographically dispersed configurations and GeoDNS
- Domain Name System (DNS) records required for a resilient and scalable solution
- Certificate requirements for a resilient and scalable solution

## 7. Configuring a Database Cluster

- Relationship between cluster master and cluster slaves in a database cluster
- Certificate requirements for a secure database cluster
- Configure the certificates for a database cluster
- Configure a database cluster

## 8. Configuring a Call Bridge Cluster

- Relationship between the Call Bridge and the Database
- How cross-cluster spaces behave
- Configure certificates for Call Bridge clustering
- Storage of configuration when entering with the API and the individual web interfaces for Lightweight Directory Access Protocol (LDAP) and Call Bridge clustering
- Configure a Call Bridge Cluster
- Connect XMPP server to multiple Call Bridges

## 9. Configuring Load Balancers and Trunks

- Relationship between the XMPP server, Trunk and Load Balancer
- Configure certificates for multiple trunks and load balancers
- Configure multiple Trunks to multiple Load Balancers

## 10. Configuring Multiple Web Bridges

- Relationship between multiple Web Bridges and Call Bridges
- Internal and external DNS records support for both internal and external Web Bridges
- Configure certificates for multiple Web Bridges
- Configure multiple Web bridges
- Connect multiple Call Bridges to multiple Web Bridges

## 11. Configuring Multiple TURN Servers

- Relationship between multiple TURN servers and multiple Call Bridges
- Configure certificates for multiple TURN servers
- Configure multiple TURN servers
- Connect multiple Call Bridges to multiple TURN servers

## 12. Configuring Multiple Recorders

- Features of the recording capability
- Software, hardware, and licensing requirements for recording
- DNS records

- Configure the Recorder
  - Relationship between multiple Recorders and multiple Call Bridges
  - Configure a Call Bridge to use a Recorder
  - Configure certificates for multiple Recorders servers
  - Configure multiple Recorder servers
  - Connect multiple Call Bridges to multiple Recorder servers
13. Integrating with a Resilient and Scalable Cisco Meeting Server Deployment
- Integration with Cisco TelePresence Video Communication Server (VCS) or Cisco Unified Communications Manager and multiple Call Bridges
  - Integration with Cisco Expressway technology and multiple Call Bridges
  - Integration with Microsoft Skype for Business and multiple Call Bridges
  - Integration with Cisco TelePresence Management Suite and multiple Call Bridges
14. Deploying an H.323 Gateway
- Cisco preferred architecture for H.323 and Session Initiation Protocol (SIP) interoperability
  - Functionality of the Cisco Meeting Server H.323 gateway
  - Configuration the Cisco Meeting Server H.323 gateway
15. Multitenancy Options
- Purpose of the multitenancy capabilities
  - Options for multitenancy capabilities on the Cisco Meeting Server
16. Customization Options
- Options available to customize Cisco Meeting Apps
  - License keys required for customization
  - Web Server requirements for customization
  - Options available to customize recorded messaging
  - Customization options available for invitation text

## Classroom Live Labs

Lab 1: Single-Server Deployment

Lab 2: API Introduction

Lab 3: Customization

Lab 4: Database Cluster Configuration

Lab 5: Call Bridge Cluster Configuration

Lab 6: Multiple-Trunk and Load-Balancer Configuration

Lab 7: Multiple Web Bridge Configuration

Lab 8: Multiple TURN Server Configuration

Lab 9: Multiple Recorder Configuration

## Lab10: Integrating with VCS and Microsoft Skype for Business in a Multiple Call Bridge Installation



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PRIVATE GROUP TRAINING

3 days

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