

Cisco Training – HD Telepresence

CIPTV2: Implementing Cisco IP Telephony & Video, Part 2 (CIPTV2)

Part 2 of Cisco IP Telephony & Video in Cisco Unified Communications Manager

\$3,995.00

- 5 Days

Upcoming Dates

Course Description

Implementing Cisco IP Telephony & Video, Part 2 (CIPTV2) v1.0 is a 5-day course that prepares the learner for implementing Cisco Unified Communications Manager, Cisco VCS-C, and Cisco Expressway series in a multisite voice and video network. It covers globalized call routing, URI call routing, global dial plan replication based on the ILS, Cisco Unified SRST, mobility features, call admission control, .integration of Cisco VCS and Cisco Unified Communications Manager, and Cisco Mobile Remote Access on Cisco Expressway Series.

Course Outline

Module 1: Multisite Deployment Implementation

- Lesson 1: Identifying Issues in a Multisite Deployment
- Lesson 2: Identifying Multisite Deployment Solutions
- Lesson 3: Implementing a +E.164-based Dial Plan for International Multisite Deployments
- Lesson 4: Implementing a URI-Based Dial Plan for Multisite Deployments

Module 2: Centralized Call-Processing Redundancy Implementation

- Lesson 1: Implementing SRST and MGCP Fallback

Module 3: Bandwidth Management and CAC Implementation

- Lesson 1: Managing Bandwidth
- Lesson 2: Implementing CAC

Module 4: Implementation of Features and Applications for Multisite Deployments

- Lesson 1: Implementing Device Mobility
- Lesson 2: Implementing Cisco Extension Mobility
- Lesson 3: Implementing Cisco Unified Mobility

Module 5: Cisco VCS and Cisco Expressway

- Lesson 1: Describing Cisco VCS and Cisco Expressway Series Deployment Options
- Lesson 2: Deploying Users and Local Endpoints in Cisco VCS Control
- Lesson 3: Interconnecting Cisco Unified Communications Manager and Cisco VCS
- Lesson 4: Implementing Unified Communications Mobile and Remote Access

Module 6: GDPR and CCD

- Lesson 1: Implementing ILS and GDPR
- Lesson 2: Implementing CCD

Labs:

- Guided Lab 1: Implementing a +E.164-Based Dial Plan for International Multisite Deployments
- Guided Lab 2: Implementing a URI-Based Dial Plan for Multisite Deployments
- Hardware Lab 3: Implementing SRST and MGCP Fallback
- Hardware Lab 4: Implementing Bandwidth Management
- Hardware Lab 5: Implementing Enhanced Location CAC
- Hardware Lab 6: Implementing Device Mobility
- Hardware Lab 7: Implementing Extension Mobility
- Hardware Lab 8: Implementing Cisco Unified Mobility
- Hardware Lab 9: Configuring Cisco VCS Control to Register Endpoints
- Hardware Lab 10: Implementing a Dial Plan in Cisco VCS Control to Interconnect with Cisco Unified Communications Manager
- Hardware Lab 11: Implementing Mobile and Remote Access via Cisco Expressway

Audience

The primary target audiences for the course are:

Network administrators and network engineers
CCNP Collaboration candidates

Secondary audiences are:

- Systems engineers

Prerequisites

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

- Working knowledge of converged voice, video, and data networks
- Working knowledge of the MGCP, SIP, and H.323 protocols and their implementation on Cisco IOS gateways
- Ability to configure and operate Cisco routers and switches
- Ability to configure and operate Cisco Unified Communications Manager in a single-site environment

What You Will Learn

Upon completing this course, you will be able to meet the following objectives:

- Describe multisite deployment issues and solutions, and describe and configure required dial plan elements
- Implement call-processing resiliency in remote sites by using Cisco Unified SRST and MGCP fallback
- Implement bandwidth management and CAC to prevent oversubscription of the IP WAN
- Implement Device Mobility, Cisco Extension Mobility, and Cisco Unified Mobility

- Implement Cisco VCS Control and Cisco Expressway Series
- Describe and implement CCD and ILS