Learning Services

Cisco Training on Demand

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

Overview

Interested in purchasing this course in volume at discounts for your company? Contact ctod-sales@cisco.com.

Duration
The CIPTV2 Training on Demand course is a self-paced course based on the 5-day instructor-led training version. It consists of 16 sections of instructor video and text totaling more than 7 hours of instruction along with interactive activities, 6 hands-on lab exercises, content review questions, and challenge questions.

Target Audience
The primary target audiences for this course are those preparing for the 300-075 CIPTV2 exam, network administrators, and network engineers who are CCNP® Collaboration candidates. Secondary audiences are systems engineers who are interested in broadening their learning and experience in the Cisco Collaboration environment.
Objectives
After completing this course, you should be able to:

- 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 Media Gateway Control Protocol (MGCP) fallback
- Implement bandwidth management and Call Admission Control (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 Call Control Discovery (CCD) and ILS

Course Prerequisites
The knowledge and skills recommended before attending this course are:

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

Course Outline
- Course Introduction
- Section 1: Identifying Issues in a Multisite Deployment
- Section 2: Identifying Multisite Deployment Solutions
- Section 3: Implementing a +E.164-based Dial Plan for International Multisite Deployments
- Section 4: Implementing a URI-Based Dial Plan for Multisite Deployments
- Section 5: Implementing SRST and MGCP Fallback
- Section 6: Managing Bandwidth
- Section 7: Implementing CAC
- Section 8: Implementing Device Mobility
- Section 9: Implementing Cisco Extension Mobility
- Section 10: Implementing Cisco Unified Mobility
- Section 11: Describing Cisco VCS and Cisco Expressway Series Deployment Options
- Section 12: Deploying Users and Local Endpoints in Cisco VCS Control
- Section 13: Interconnecting Cisco Unified Communications Manager and Cisco VCS
- Section 14: Implementing Unified Communications Mobile and Remote Access
- Section 15: Implementing ILS and GDPR
- Section 16: Implementing CCD
Labs Outline

This course contains six hands-on lab exercises.

Figure 1. Topology for All Labs in Implementing Cisco IP Telephony & Video, Part 2

The labs included in this course are:

- Discovery Lab 3.16: Implement a +E.164-Based Dial Plan for International Multisite Deployments
- Discovery Lab 4.8: Implement a URI-Based Dial Plan for Multisite Deployments
- Discovery Lab 7.9: Implement Enhanced Location CAC
- Discovery Lab 8.10: Implement Device Mobility
- Discovery Lab 9.9: Implement Cisco Extension Mobility
- Discovery Lab 15.12: Implement ILS and GDPR

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