



CIPT2: Implementing Cisco Unified Communications Manager Part 2 v9.0

Course ID#: 1575-963-ZZ-W

Hours: 35

Course Content

Course Description:

This hands-on course prepares you for installing and configuring Cisco Unified Communications Manager (CUCM) v8 and v9 in global, multisite networks. You will learn how to build the system in order to provide:

- A variable-length, on-net dial plan that supports overlapping extensions that are described in Cisco's Unified Communications System Release 8.x SRND
- Remote site survivability (SRST and SRST with CME) bandwidth management
- Mobility features (such as device mobility and extension mobility) that are used in networks with multiple sites
- Survivability for remote sites during WAN failure
- Automated alternate routing (AAR) to deliver calls over the public switched telephone network (PSTN) if no bandwidth is available

With the increasing importance of globalization in the business world, this course prepares you to use local route groups and global transformations in order to simplify the dial plan and prepare for globalization without implementing E.164 dialing. After that, you will investigate deploying E.164 and explore the challenges that are presented by the North American Numbering Plan (NANP).

Target Student:

Network professionals who install, configure, and manage Cisco Unified Communications solutions

Prerequisites:

- CVOICE 8 or ICOMM
- CIPT1 v8 or CIPT1 v9
- CVOICE - Implementing Cisco Unified Communications Voice over IP and QoS v8.0
- ICOMM - Introducing Cisco Voice and UC Administration v8.0
- CIPT1 - Implementing Cisco Unified Communications IP Telephony Part 1 v8.0
- CIPT1 - Implementing Cisco Unified Communications IP Telephony Part 1 v9.x



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Topics:

Module 1: Multisite Deployments

- Identifying Issues
- Multisite Deployment Solutions
- Multisite Connections
- Multisite Deployment Dial Plan

Module 2: Centralized Call Processing Redundancy

- Remote-Site Redundancy Options
- Cisco Unified SRST and MGCP Fallback
- CUCM Express in SRST Mode

Module 3: Bandwidth Management and Call Admission Control

Module 4: Features and Applications for Multisite Deployments

- Device Mobility
- Extension Mobility

Module 5: IP Telephony Security

- Service Advertisement Framework

Labs

- Lab 1: Topology and Deployment
- Lab 2: System License Setup and Incoming Calls
- Lab 3: Multisite: Regions
- Lab 4: MOH and Software Conferencing
- Lab 5: Hardware Conference Bridge
- Lab 6: Transcoder
- Lab 7: Multisite: Locations
- Lab 8: Extension Mobility