

Implementing Cisco Unified Communications Manager Part 2 v8.0

CIPT2V8



Delivery Type: Classroom

Duration: 5 days

Overview

This course follows on from Implementing Cisco Unified Communications Manager, Part1 (CIPT1) v8.0 and prepares delegates for implementing a Cisco Unified Communications solution in a multisite environment. It covers globalized call routing, Cisco Service Advertisement Framework (SAF) and Call Control Discovery (CCD), tail-end hop-off (TEHO), Cisco Unified Survivable Remote Site Telephony (SRST), and mobility features such as Cisco Device Mobility and Cisco Extension Mobility.

Delegates will apply a dial plan for a multisite environment including TEHO, configure survivability for remote sites during WAN failure and implement solutions to reduce bandwidth requirements in the IP WAN. Delegates will also enable Call Admission Control (CAC) including Session Initiation Protocol (SIP) Preconditions and automated alternate routing (AAR).

Target Audience

The primary audience for this course is Network Administrators, Network Engineers and CCNP Voice candidates.

Certification

Recommended preparation for exam(s):

- ✓ 642-457- Implementing Cisco Communications Manager Part 2

CIPT2 is one of five courses required for the Cisco Certified Network Professional for Voice Career Certification.

Pre-Requisites

Attendees should meet the following prerequisites:

- ✓ Working knowledge of converged voice 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
- ✓ Prior attendance of CVOICE6 or CVOICE8 plus CIPT1V8 is required

Objectives

After completing this program, you will 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, MGCP fallback, and Cisco Unified Communications Manager Express in Cisco Unified SRST mode
- ✓ Implement bandwidth management and CAC to prevent oversubscription of the IP WAN
- ✓ Implement Device Mobility and Cisco Extension Mobility
- ✓ Describe and implement CCD deployments.

Follow on Courses

The following courses are recommended for further study:

- ✓ TVOICE – Troubleshooting Cisco Unified Communications
- ✓ CAPPS – Cisco Unified Communications Applications

Further Information

Recertification :

- ✓ Cisco professional level certifications (CCNP, CCNP SP Operations, CCNP Wireless, CCDP, CCNP Security, CCNP Voice, and CCIP) are valid for three years. To recertify, pass any 642 exam that is part of the professional level curriculum or pass any CCIE/CCDE written exam before the certification expiration date.
- ✓ Achieving or recertifying any of the certifications above automatically extends your active Associate and Professional level certification(s) up to the point of expiration of the last certification achieved. For more information, access the Cisco About Recertification page