
Implementing Cisco Unified Communications Manager Part 2

Duration: 5 Days **Course Code: CIPT2** **Version: 8.0**

Overview:

Implementing Cisco Unified Communications Manager Part 2 (CIPT2) v8.0 prepares you for implementing 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 Device Mobility and Cisco Extension Mobility.

You 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. You will also enable Call Admission Control (CAC), including Session Initiation Protocol (SIP) Preconditions and automated alternate routing (AAR).

Target Audience:

This course is designed for: Network professionals who install, configure, and manage Cisco Unified Communications solutions

Objectives:

- Upon completing this course, the learner will be able to meet these overall 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, 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
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Prerequisites:

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

- 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

To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:

- Introducing Cisco Voice and UC Administration (ICOMM)
 - Implementing Cisco Voice Communications and QoS (CVOICE)
 - Implementing Cisco Unified Communications Manager, Part 1 (CIPT1)
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Testing and Certification

Recommended as preparation for :

- 642-457 - Implementing Cisco Communications Manager Part 2
CIPT2 is one of the courses required for the **Cisco Certified Network Professional (CCNP) Voice** Certification
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Follow-on-Courses:

- Troubleshooting Cisco Unified Communications (TVOICE)
 - Cisco Unified Communications Applications (CAPPS)
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Content:

Multisite Deployment Implementation:

- Identifying Issues in a Multisite Deployment
- Identifying Multisite Deployment Solutions
- Implementing Multisite Connections
- Implementing a Dial Plan for International Multisite Deployments

Centralized Call-Processing Redundancy Implementation:

- Examining Remote Site Redundancy Options
- Implementing SRST and MGCP Fallback
- Implementing Cisco Unified Communications Manager Express in SRST Mode

Bandwidth Management and CAC Implementation:

- Managing Bandwidth
- Implementing CAC

Implementation of Features and Applications for Multisite Deployments:

- Implementing Device Mobility
- Implementing Cisco Extension Mobility

Call Control Discovery:

- Implementing SAF and CCD

Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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