

Implementing Cisco Unified Communications Manager Part 1 v8.0

CIPT1V8



Delivery Type: Classroom

Duration: 5 days

Overview

This course prepares delegates for implementing a Cisco Unified Communications Manager solution at a single-site environment. This course focuses primarily on Cisco Unified Communications Manager Version 8.0, which is the call routing and signaling component for the Cisco Unified Communications solution.

Delegates will perform post-installation tasks, configure Cisco Unified Communications Manager, implement Media Gateway Control Protocol (MGCP) and H.323 gateways, and build dial plans to place on-net and off-net phone calls. You will also implement media resources, Cisco IP Phone Services, Cisco Unified Communications Manager native presence, and Cisco Unified Mobility.

Target Audience

The primary audience for this course is Network administrators, network engineers and CCNP Voice candidates.

Certification

Recommended preparation for exam(s):

642-447- Implementing Cisco Communications Manager Part 1. CIPT1 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 fundamental terms and concepts of computer networking, including LANs, WANs, and IP switching and routing
- ✓ Ability to configure and operate Cisco routers and switches and to enable VLANs and DHCP
- ✓ Basics of digital interfaces, PSTN, and VoIP
- ✓ Fundamental knowledge of converged voice and data networks
- ✓ Ability to configure Cisco IOS gateways with traditional and VoIP call legs
- ✓ Prior attendance of the following is recommended: ICND1, and ICND2 or CCNABC, ICOMM and CVOICE8 or CVOICE6

Objectives

After completing this program, you will be able to:

- ✓ Describe Cisco Unified Communications Manager, including its functions, architecture, deployment and redundancy options, and how to install or upgrade
- ✓ Perform Cisco Unified Communications Manager initial configuration and user management
- ✓ Configure Cisco Unified Communications Manager to support on-cluster calling
- ✓ Implement PSTN access in Cisco Unified Communications Manager and to build a dial plan in a single-site Cisco Unified Communications Manager deployment
- ✓ Implement Cisco Unified Communications Manager media resources
- ✓ Implement Cisco Unified Communications Manager features and applications

Follow on Courses

The following courses are recommended for further study:

- ✓ CIPT2V8 – Cisco Unified Communications Manager Part 2
- ✓ 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.