

Implementing Cisco Unified Communications Manager Part 1

Duration: 5 Days Course Code: CIPT1 Version: 8.0

Overview:

This Implementing Cisco Unified Communications Manager Part 1 (CIPT1) 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:

This course is designed for: Network administrators, network engineers and CCNP Voice candidates.

Objectives:

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

Prerequisites:

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

- 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 CVOICE

Testing and Certification

Recommended as preparation for:

- 642-447 - Implementing Cisco Unified Communications Manager Part 1
- CIPT1 is one of 4 courses required for the **Cisco Certified Network Professional (CCNP) Voice** Certification

Follow-on-Courses:

- Implementing Cisco Unified Communications Manager Part 2 (CIPT2)
- Troubleshooting Cisco Unified Communications (TVOICE)
- Integrating Cisco Unified Communications Applications (CAPPS)

Content:

Introduction to Cisco Unified Communications Manager

- Understanding Cisco Unified Communications Manager Architecture
- Understanding Cisco Unified Communications Manager Deployment and Redundancy Options

Administering Cisco Unified Communications Manager

- Managing Services and Initial Configuration of Cisco Unified Communications Manager
- Managing User Accounts in Cisco Unified Communications Manager

Single-Site On-Net Calling

- Understanding Endpoints in Cisco Unified Communications Manager
- Implementing IP Phones

Single-Site Off-Net Calling

- Implementing PSTN Gateways in Cisco Unified Communications Manager
- Configuring Cisco Unified Communications Manager Call-Routing Components
- Using Partitions and CSSs to Implement Calling Privileges for On-Net Calls
- Implementing Cisco Unified Communications Manager Digit Manipulation
- Implementing Gateway Selection and PSTN Access Features
- Implementing Call Coverage in Cisco Unified Communications Manager

Media Resources

- Implementing Media Resources in Cisco Unified Communications Manager

Feature and Application Implementation

- Configuring Cisco IP Phone Services
- Configuring Cisco Unified Communications Manager Native Presence
- Configuring Cisco Unified Mobility

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

training@globalknowledge.com.sa

www.globalknowledge.com.sa

Global Knowledge - KSA, 393 Al-Uroubah Road, Al Worood, Riyadh 3140, Saudi Arabia