
Cisco IP Telephony Part 1 version 6

Duration: 5 Days Course Code: CIPT1V6

Overview:

This 5 day hands on instructor led course prepares you for installing and configuring a Cisco Unified Communications Manager solution in a single site. This course focuses primarily on Cisco Unified Communications Manager Release 6.0, the call routing and signaling component for the Cisco Unified Communications solution.

This course includes lab activities in which you will perform post-installation tasks, configure Cisco Unified Communications Manager and switches, implement Media Gateway Control Protocol (MGCP) gateways, and build dial plans to place on-net and off-net phone calls. You will also implement media resources, Lightweight Directory Access Protocol (LDAP), voice-mail integration, and numerous user telephone features.

Target Audience:

The primary audience for this course are Network designer, Network administrators, Network engineers, Network managers and systems engineers.

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 platform and general administration, initial configuration, and user management.
 - Configure Cisco Unified Communications Manager to support on-cluster calling in a single-site deployment
 - Implement a dial plan in Cisco Unified Communications Manager to make internal calls and place calls within the public switched telephone network (PSTN)
 - Configure Cisco Unified Communications Manager media resources, features, and voice-mail integration
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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, to include LANs, WANs, and IP switching and routing
- Ability to configure and operate Cisco routers and switches and to enable VLANs and DHCP
- Fundamental knowledge of converged voice and data networks
- Working knowledge of the MGCP and its implementation on Cisco IOS gateways

Testing and Certification:

642-446 CIPT1

Follow-on-Courses:

The following courses are recommended for further study:

- CIPT 2 – IP Telephony Part 2
- QoS Implementing Cisco QoS
- TUC – Troubleshooting Unified Comms
- UCAD– Cisco Unified Communications Architecture and Design

CIPT is part of the Cisco Certified Voice Professional Certification path.

Content:

Introduction to Cisco Unified Communications Manager

- Understanding Cisco Unified Communication Manager Architecture
- Understanding Cisco Unified Communications Manager Deployment and Redundancy Options
- Installing and Upgrading Cisco Unified Communications Manager

Administration of Cisco Unified Communications Manager

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

Single- Site On-Net Calling

Configure Cisco Unified Communications Manager to support On-Cluster Calling

- Understanding Endpoints in Cisco Unified Communications Manager
- Configuring Cisco Catalyst for Endpoints
- Implementing and Hardening IP Phones

Single-Site Off-Net Calling

- Implementing MGCP Gateways in Cisco Unified Communications Manager
- Configuring Cisco Unified Communications Manager Call-Routing Components
- Implementing Cisco Unified Communications Manager Digit Manipulation
- Implementing Calling Privileges in Cisco Unified Communications Manager
- Implementing Call Coverage in Cisco Unified Communications Manager

Implementation of Media Resources, Features, and Applications

- Implementing Media Resources
- Configuring Cisco Unified Communications Manager User Features
- Configuring Presence-Enabled Speed Dials and Lists
- Integrating Cisco Unified Communications Manager with Voice-Mail Systems
- Implementing Cisco Unified Video Advantage

Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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