

avodaq Advanced Training	Enterprise Voice		
Classroom Training	5 Days		

INTRODUCTION

Learn to fully leverage the use of Cisco Unified Communications Manager with IP phones, gateways and applications in this 5-day class. This training prepares you for planning, installing, configuring, and maintaining a Cisco Unified Communications solution in a single- and multisite environment.

This class includes lab activities in which you will configure Cisco Unified Communications Manager 7.0; configure gateways and build route plans to place intracluster, intercluster and PSTN calls. You will also configure telephony class of service (calling restrictions) and numerous user telephone features, services, media resources, mobility and new Cisco Unified Communications Manager features, like BLF Pickup, Local Route Groups, and so forth.

OBJECTIVES

After finishing this course, students will be able to:

- Getting Started with Cisco Unified Communications Manager
- Configuring Cisco Unified Communications Manager
- Enabling On-Net and Off-Net Calling
- Implementing Media Resources, Features, and Applications
- Implementing Multisite Deployments
- Implementing Centralized Call Processing Redundancy
- Implementing Bandwidth Management and Call Admission Control
- Implementing Features and Applications for Multisite Deployments

IMPORTANCE

The course is of special importance for all network and system engineers starting with Cisco Unified Communications.

TARGET AUDIENCE

Network Administrators, Network Engineers and Systems Engineers configuring and administering Cisco Unified Communications solutions.

PREREQUISITES KNOWLEDGE

It is required that the participant has a good understanding of the following items:

- A working knowledge of LANs
- Knowledge of traditional public switched telephone network (PSTN) operations and voice fundamentals

This course has no Cisco Unified Communications Manager prerequisites. If the courses CIPT1 and CIPT2 were visited or hands-on experience exists, the course Upgrading to Cisco Unified Communications Manager Release 7.0 (UCM70) is recommended instead.

COURSE OUTLINE

Getting Started with Cisco Unified Communications Manager

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

Configuring Cisco Unified Communications Manager

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

Enabling On-Net Calling and Off-Net Calling

- Understanding Endpoints in Cisco Unified Communications Manager
- Implementing IP Phones
- Implementing MGCP/H.323 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

Implementing Media Resources, Features, and Applications

- Implementing Media Resources
- Configuring Cisco Unified Communications Manager User Features
- Configuring Presence-Enabled Speed Dials and Lists and BLF Pickup

Implementing Multisite Deployments

- Implementing Multisite Connections
- Implementing a Dial Plan for Multisite Deployments

Implementing Centralized Call Processing Redundancy

- Examining Remote Site Redundancy Options
- Implementing SRST and MGCP Fallback

Implementing Bandwidth Management and Call Admission Control

- Implementing Bandwidth Management
- Implementing Call Admission Control

Implementing Features and Applications for Multisite Deployments

- Implementing Extension Mobility
- Implementing Cisco Unified Mobility