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Class Code: CUCM Accelerated
Number of Days: 5
Format: Instructor-Led

Cisco Unified Communications Manager Accelerated (CUCM -CIPT 1&2 v6/7)

Course Description: Cisco Unified Communications Manager Accelerated 7.0 (CUCM) is a five-day advanced accelerated class that covers configuring and administering a Cisco Unified Communications Manager 6.x solution in both single and multi-site environments. This course focuses on Cisco Unified Communications Manager Release 6.x/7.x, administering and managing services and users. It also includes H.323 and Media Gateway Control Protocol (MGCP) gateway implementations, the use of a Cisco Unified Border Element (IP to IP Gateway), and configuration of Cisco Unified Communications Manager Express (CUCME) as a Survivable Remote Site Telephony (SRST) site, and mobility features.

This course includes lab activities in which you will perform post-installation tasks, configure Cisco Unified Communications Manager, 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 to an existing Cisco voice-mail system, and numerous user telephone features. It also includes lab activities in which you will apply a dial plan for a multi-site environment 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) and automated alternate routing (AAR), a feature that allows rerouting of calls over the public switched telephone network (PSTN) due to low bandwidth availability. Labs also cover Cisco Unified Communications Manager Device Mobility, Extension Mobility, and Unified Mobility.

Target Audience:

CUCM Accelerated is intended for network designers, administrators, engineers, managers and support staff responsible for maintaining and configuring a voice and data network which includes the Cisco Unified Communications Manager solution and/or require a fundamental understanding of the issues and solutions related to implementation of the Cisco Unified Communications Manager.

This course is also for engineers who have one or more years of direct full time hands on experience with this or any previous version of Cisco CallManager or Unified Communications Manager and voice gateways. CUCM Accelerated has also been designed for employees of a Cisco Channel Reseller Partner to build upon skills on Cisco Unified Communications Manager 6.x/7.x.

Delivery Method: Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

Course Outline

- Introduction to Cisco Unified Communications Manager
- Administration of Cisco Unified Communications Manager
- Single-site On-Net Calling
- Single-site, Off-Net Calling
- Multisite Deployments
- Centralized Calling Call-Processing Redundancy
- Implementation of Media Resources, Features and Applications
- Bandwidth Management and Call Admission Control
- Features and Applications for Multisite Deployments
- IP Telephony Security