CIPT1 and CIPT2 Accelerated

Course ID#: 1575-961-ZZ-W

Hours: 35

Course Content

Course Description:

Implementing Cisco Unified Communications Manager, Part 1 (CIPT1) v8.0 prepares you 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. You 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, IP Phone Services, Cisco Unified Communications Manager native presence, and Cisco Unified Mobility.

Implementing Cisco Unified Communications Manager, Part 2 (CIPT2) v8.0 prepares you for implementing Cisco Unified Communications solution in a multisite environment. It covers globalized call routing, Cisco Service Advertisement Framework (SAF) and Call Control Discovery (CCD), tail-end hop-off (TEHO), Cisco Unified Survivable Remote Site Telephony (SRST), and mobility features such as Cisco Device Mobility and Cisco Extension Mobility. You will apply a dial plan for a multisite environment including TEHO, 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) including Session Initiation Protocol (SIP) Preconditions and automated alternate routing (AAR).

Prerequisites:

- PC/MAC using a Web Browser and Terminal Emulation Software
- Knowledge of LAN and WAN technology
- Understanding of TCP/IP and IPv4 addressing
- IOS command line experience
- Classes will be accessed via a Java Interface, the ability to change the Java version on your workstation to accommodate the LABs may be important

Topics:

CIPT1
Module 1: (CIPT180S01) Understanding Cisco Unified Communications Manager Architecture

- Introduction to Cisco Unified Communications Manager

Module 2: (CIPT180S02) Administering Cisco Unified Communications Manager

- Managing Services and Initial Configuration of Cisco Unified Communications Manager

Module 3: (CIPT180S03) Single-Site On-Net Calling

- Understanding Endpoints in Cisco Unified Communications Manager

Module 4: (CIPT180S04) Single-Site Off-Net Calling

- Implementing PSTN Gateways in Cisco Unified Communications Manager

Module 5: (CIPT180S05) Media Resources

- Implementing Media Resources in Cisco Unified Communications Manager

CIPT2

Module 6: (CIPT280S02) Centralized Call-Processing Redundancy Implementation

- Examining Remote Site Redundancy Options

Module 7: (CIPT280S03) Bandwidth Management and CAC Implementation

- Managing Bandwidth

Module 8: (CIPT280S04) Implementation of Features and Applications for Multisite Deployments

- Implementing Device Mobility