

# **Implementing Cisco Unified CallManager Part 1 (CIPT1) 5.0**

## **Duration**

5 days

## **Course Overview**

This course provides learners with the necessary knowledge and skills to install, configure, and maintain a Cisco IP Telephony solution based on Cisco CallManager 5.0, the call routing and signaling component of the Cisco IP Telephony solution.

## **Prerequisites**

- Working knowledge of fundamental terms and concepts of data networking including 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 as covered in the CVOICE curriculum. Ability to configure voice interfaces on Cisco voice-enabled equipment for connection to traditional, nonpacketized telephony equipment and to configure the call flows for POTS and VoIP dial peers.

## **Course Objectives**

- Deploy a Cisco CallManager 5.0 server in a cluster using a supported IP telephony deployment model.
- Perform platform and general administration, and implement disaster recovery
- Deploy SCCP and SIP endpoints in a Cisco CallManager 5.0 cluster
- Deploy a dial plan consisting of gateways, trunks, route plan elements, hunt groups, partitions, and calling search spaces
- Implement multiple site deployments with fallback telephony services in the remote branches, call admission control over the WAN bandwidth, and automated call rerouting through the PSTN when the WAN bandwidth is insufficient.
- Configure Cisco CallManager to enable end-user features and services.

## **Course Outline**

- Module 1 - Getting started with Cisco CallManager Release 5.0
- Module 2 - Administering Cisco CallManager Release 5.0
- Module 3 - Deploying Cisco CallManager Release 5.0 Endpoints
- Module 4 - Deploying a Dial Plan on CallManager Release 5.0
- Module 5 - Implementing Multi-site Deployments
- Module 6 - Enabling Features and Services

## **Additional Material exclusively covered**

As this course is written to Call Manager version 5.0, an update will be provided to participants outlining the changes across all revisions up to and including Call Manager version 6.x. A revision of version 4.x will also be discussed.