

**Course Title:** Cisco IP Telephony Part 1 v5.0  
**Duration:** 5 days  
**Location:** London

### Certification

This course forms a part of the CCVP and in conjunction with **Cisco IP Telephony Part 2 v5.0** completes course material for the exam **642-445 CIPT 5.0**

### Objectives

After completing this course the delegate will be able to:

- 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

### Pre-Requisites

- Cisco Certified Networking Associate (CCNA)
- CVoice

### Content

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 signalling component of the Cisco IP Telephony solution.

Module 1 - Getting started with Cisco CallManager Release 5.0

- Lab 1-1 Installing Cisco CallManager 5.0

Module 2 - Administering Cisco CallManager Release 5.0

- Lab 2-1 Performing Platform Administration
- Lab 2-2 Performing General Administration
- Lab 2-3 Configuring CallManager 5.0 Basic Settings
- Lab 2-4 Configuring Cisco CallManager to Support IP Phones

Module 3 - Deploying Cisco CallManager Release 5.0 Endpoints

- Lab 3-1 Configuring Auxiliary or Voice VLANs
- Lab 3-2 Configuring SIP Endpoints
- Lab 3-3 Using the Bulk Administration Tool

## Content (continued)

### Module 4 - Deploying a Dial Plan on CallManager Release 5.0

- Lab 4-1 Configuring Voice Gateways
- Lab 4-2 Configuring Cisco CallManager Trunks
- Lab 4-3 Configuring Basic Dial Plan Elements
- Lab 4-4 Configuring Hunt Groups and Call Coverage
- Lab 4-5 Configuring Complex Dial Plan Elements

### Module 5 - Implementing Multi-site Deployments

- Lab 5-1 Configuring Call Admission Control in Cisco CallManager 5.0
- Lab 5-2 Configuring SRST

### Module 6 - Enabling Features and Services

- Lab 6-1 Configuring Media Resources
- Lab 6-2 Configuring User Features Part 1
- Lab 6-3 Configuring Extension Mobility
- Lab 6-4 Configuring Additional Features
- Lab 6-5 Configuring Cisco CallManager Attendant Console