

CI – CIPT2

Implementing Cisco Unified Communications IP Telephony Part 2



Summary

Duration

5 Days

Vendor

Cisco

Category

Unified Communications / CCVP

Introduction

Implementing Cisco Unified Communications IP Telephony Part 2 (CIPT2) v6.0 prepares you for installing and configuring, a Cisco Unified Communications Manager solution in a multisite environment. This course focuses on Cisco Unified CallManager Release 6.0, the call routing and signalling component for the Cisco Unified Communications solution. It also includes H.323 and Media Gateway Control Protocol (MGCP) gateway implementation, the use of a Cisco Unified Border Element, and configuration of Survivable Remote Site Telephony (SRST), different mobility features, and voice security. This course includes lab activities in which you will apply a dial plan for a multisite 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) in case of no available bandwidth. There are labs for implementing device mobility, extension mobility, Cisco Unified Mobility, and voice security.

Prerequisites

CIPT1

Course Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe multi-site deployment issues and solutions, and describe and configure required dial plan elements
- Implement call processing resiliency in remote sites using SRST, MGCP fallback, and Cisco Unified Communications Manager Express in SRST mode.
- Implement call admission control to prevent oversubscription of the IP WAN.
- Implement features and applications that are pertinent for multisite deployments.
- Secure a Cisco Unified Communications IP Telephony deployment.

Course Outline

- Implementing Multi-site Deployments
- Implementing Centralized Call Processing Redundancy
- Implementing Bandwidth Management and Call Admission Control
- Implementing Features and Applications for Multi-site Deployments
- Securing IP Telephony.

Associated Certifications & Exams

The 642-456 CIPT2 Implementing Cisco Unified Communications IP Telephony Part 2 is the exam associated with the CCVP certification. This exam tests a candidate's knowledge of deploying a Cisco Unified Communications Manager in a multi-site deployment model.

On successful completion of this course students will receive a Torque IT attendance certificate.