

Cisco® Implementing Cisco® IP Telephony & Video, Part 2 v1.0 (CIPTV2)

Course Overview

This is a 5-day class

Implementing Cisco IP Telephony & Video, Part 2 (CIPTV2) v1.0 is a five-day course that prepares the learner for implementing Cisco Unified Communications Manager, Cisco VCS-C, and Cisco Expressway series in a multisite voice and video network. It covers globalized call routing, URI call routing, global dial plan replication based on the ILS, Cisco Unified SRST, mobility features, call admission control, .integration of Cisco VCS and Cisco Unified Communications Manager, and Cisco Mobile Remote Access on Cisco Expressway Series.

Who Should Attend

The primary target audiences for the course are:

Network administrators and network engineers
CCNP Collaboration candidates
Secondary audiences are:

Systems engineers

Course Objectives

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

Describe multisite deployment issues and solutions, and describe and configure required dial plan elements
Implement call-processing resiliency in remote sites by using Cisco Unified SRST and MGCP fallback
Implement bandwidth management and CAC to prevent oversubscription of the IP WAN
Implement Device Mobility, Cisco Extension Mobility, and Cisco Unified Mobility
Implement Cisco VCS Control and Cisco Expressway Series
Describe and implement CCD and ILS

Course Outline

1 Multisite Deployment Implementation

Identifying Issues in a Multisite Deployment
Identifying Multisite Deployment Solutions
Implementing a +E.164-based Dial Plan for International Multisite Deployments
Implementing a URI-Based Dial Plan for Multisite Deployments

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2 Centralized Call-Processing Redundancy Implementation

Implementing SRST and MGCP Fallback

3 Bandwidth Management and CAC Implementation

Managing Bandwidth

Implementing CAC

4 Implementation of Features and Applications for Multisite Deployments

Implementing Device Mobility

Implementing Cisco Extension Mobility

Implementing Cisco Unified Mobility

5 Cisco VCS and Cisco Expressway

Describing Cisco VCS and Cisco Expressway Series

Deployment Options

Deploying Users and Local Endpoints in Cisco VCS Control

Interconnecting Cisco Unified Communications Manager and

Cisco VCS

Implementing Unified Communications Mobile and Remote

Access

6 GDPR and CCD

Implementing ILS and GDPR

Implementing CCD