Implementing Cisco IP Telephony & Video, Part 2 (CIPTV2)

Duration: 5 days

Who should attend?

The primary target audiences for the course are:

1. **Network administrators and network engineers**
2. **CCNP Collaboration candidates**

Secondary audiences are:

1. **Systems engineers**

Prerequisites

Implementing Cisco IP Telephony & Video, Part 1 (CIPTV1) or the following knowledge:

1. **Working knowledge of converged voice, video, and data networks**
2. **Working knowledge of the MGCP, SIP, and H.323 protocols and their implementation on Cisco IOS gateways**
3. **Ability to configure and operate Cisco routers and switches**
4. **Ability to configure and operate Cisco Unified Communications Manager in a single-site environment**

Course Objectives

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

Follow On Courses

1. **Implementing Cisco Collaboration Applications (CAPPS)**
2. **Troubleshooting Cisco IP Telephony & Video (CTCOLLAB)**

Course Content

CIPTV2 v1.0 is a comprehensive course that enables the learner to implement Cisco Unified Communications Manager, Cisco VCS-C, and Cisco Expressway series in multisite voice and video networks. The course addresses global call routing, URI call routing, and 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.

CIPTV2 labs help the learners to successfully implement dial plans for multisite deployments – both domestic and international, plus the implementation of bandwidth management, device mobility, extension mobility, and Cisco Unified Mobility. Other lab work covers the implementation of Dial Plans in Cisco VCS Control to Interconnect with Cisco Unified Communications Manager, and implementation of mobile and remote access via Cisco Expressway.