UNDERSTANDING CISCO COLLABORATION FOUNDATIONS (CLFNDU) V1.2

The Understanding Cisco Collaboration Foundations (CLFNDU) V1.2 course gives you the skills and knowledge needed to administer and support a simple, single-site Cisco® Unified Communications Manager (CM) solution with Session Initiation Protocol (SIP) gateway. The course covers initial parameters, management of devices including phones and video endpoints, management of users, and management of media resources, as well as Cisco Unified Communications solutions maintenance and troubleshooting tools. In addition, you will learn the basics of SIP dial plans including connectivity to Public Switched Telephone Network (PSTN) services, and how to use class-of-service capabilities.

How you'll benefit

This class will help you:

- Administer a single-site Cisco Unified Communications Manager, handling daily tasks such as add, moves, changes and deletions of phones, video endpoints, and users
- Configure Jabber devices and implement common endpoint features including call park, shared lines, pickup groups, and phone button templates
- Introduce you to the SIP protocol, how calls are connected, and how media codes are determined
- Introduce you to the capabilities and basic configuration of an SIP gateway for PSTN access
- Introduce you to the dial plan elements used to route calls, and the class-of-service capabilities to control who can route calls where
- Administer Cisco Unity Connection handling daily tasks such as add, moves, and changes and deletions of voicemail boxes and users
- Administer maintenance tasks and use the troubleshooting tools available on Cisco Unified Communications Manager and Cisco Real-time Monitoring Tool
- Apply 30 CE credits to validate your skills

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Students preparing to take the CCNP Collaboration certification
- Network Administrators
- Network Engineer
- Systems Engineer

OUTLINE

Module 1: Define Collaboration Technology and Benefits

Module 2: Administering Initial Parameters for Cisco Unified Communications Manager

Module 3: Exploring Endpoints and the Registration Process

Module 4: Exploring Codecs and Call Signaling

Module 5: Managing Users in Cisco Unified Communication Manager

Module 6: Describing a Basic Dial Plan

Module 7: Describing Class of Service

Module 8: Enabling Endpoints and Features

Module 9: Describing the Cisco ISR as a Voice Gateway

Module 10: Exploring Cisco Unified Communication Manager Media Resources

Module 11: Reporting and Maintenance

Module 12: Exploring Additional Requirements for Video Endpoints

Module 13: Describing Cisco Unity Connection

LAB OUTLINE

- **Lab 1: Configure Cisco Unified Communication Manager Initial Parameters**

- **Lab 2: Configure the Cisco Unified CM Core System Settings**

- **Lab 3: Configure an Access Switch for an Endpoint**

- **Lab 4: Deploy an IP Phone Through Auto and Manual Registration**

- **Lab 5: Administer Endpoints in Cisco Unified Communications Manager**

- **Lab 6: Create a Local User Account and Configure LDAP**

- **Lab 7: Adding Users in Cisco Unified Communications Manager**

- **Lab 8: Create a Basic Dial Plan**

- **Lab 9: Explore Partitions and Call Search Spaces**

- **Lab 10: Explore Private Line Automatic Ringdown (PLAR)**

- **Lab 11: Deploy an On-Premise Cisco Jabber® Client for Windows**

- **Lab 12: Implement Common Endpoint Features**

- **Lab 13: Implement Single-Site Extension Mobility**

- **Lab 14: Configure Jabber**

- **Lab 15: Configure Voice over Internet Protocol (VoIP) Dial Peers**

- **Lab 16: Configure Integrated Service Digital Network (ISDN) Circuits and Plain Old Telephone Service (POTS) Dial Peers**

- **Lab 17: Control Access to Media Resources**

- **Lab 18: Use Reporting and Maintenance Tools**

- **Lab 19: Explore Endpoint Troubleshooting Tools**

- **Lab 20: Examine the Integration between Unity Connection and Cisco Unified CM**

- **Lab 21: Manage Unity Connection Users**