Train. Employ. Empower.

Implementing and Operating Cisco Collaboration Core Technologies v1.3 (CLCOR)

Price	Duration	Delivery Methods
$3,295.00	5 Daytime Classes or 10 Evening Classes	Virtual, Private Group,

CAREER SKILLS+™

The Implementing and Operating Cisco Collaboration Core Technologies (CLCOR) training provides you with the knowledge and skills to deploy, configure and troubleshoot core collaboration and networking technologies. Topics include infrastructure design protocols, codecs, and endpoints, Cisco Internetwork Operating System (IOS) XE gateway and media resources, call control, and Quality of Service (QoS). This training also earns you 64 Continuing Education (CE) credits towards recertification.

This training helps prepare you to take the exam: 350-801 Implementing Cisco Collaboration Core Technologies (CLCOR)

Who Should Attend

Students preparing to take the CCNP Collaboration certification
Network administrators
Network engineers
Systems engineers

Course Prerequisites

Working knowledge of fundamental terms of computer networking,

including LANs, WANs, switching, and routing
Basics of digital interfaces, Public Switched Telephone Networks (PSTNs), and Voice over IP (VoIP)
Fundamental knowledge of converged voice and data networks and Cisco Unified Communications Manager deployment

Course Objectives

Describe the Cisco Collaboration solutions architecture
Compare the IP Phone signaling protocols of Session Initiation Protocol (SIP), H323, Media Gateway Control Protocol (MGCP), and Skinny Client Control Protocol (SCCP)
Integrate and troubleshoot Cisco Unified Communications Manager with LDAP for user synchronization and user authentication
Implement Cisco Unified Communications Manager provisioning features
Describe the different codecs and how they are used to transform analog voice into digital streams Describe a dial plan and explain call routing in Cisco Unified Communications Manager
Describe cloud calling using the on-premises local gateway option through Webex by Cisco Configure calling privileges in Cisco Unified Communications Manager
Implement toll fraud prevention
Implement globalized call routing within a Cisco Unified Communications Manager cluster
Implement and troubleshoot media resources in Cisco Unified Communications Manager
Implement and troubleshoot Webex Calling dial plan features in a hybrid environment
Deploy the Webex app in a Cisco Unified Communications Manager environment and migrate from Cisco Jabber to Webex app
Configure and troubleshoot Cisco Unity Connection integration
Configure and troubleshoot Cisco Unity Connection call handlers
Describe how Mobile Remote Access (MRA) is used to allow endpoints to work from outside the company
Analyze traffic patterns and quality issues in converged IP networks supporting voice, video, and data traffic
Define QoS and its models
Implement classification and marking
Configure classification and marking options on Cisco Catalyst switches

Agenda

Module 1: Cisco Collaboration Solutions Architecture
Module 2: Call Signaling over IP Networks
Module 3: Cisco Unified Communications Manager LDAP
Module 4: Cisco Unified Communications Manager Provisioning Features
Module 5: Exploring Codecs
Module 6: Dial Plans and Endpoint Addressing
Module 7: Cloud Calling Hybrid Local Gateway
Module 8: Calling Privileges in Cisco Unified Communications Manager
Module 9: Toll Fraud Prevention
Module 10: Globalized Call Routing
Module 11: Media Resources in Cisco Unified Communications Manager
Module 12: Webex Calling Dial Plan Features
Module 13: Webex App
Module 14: Cisco Unity Connection Integration
Module 15: Cisco Unity Connection Call Handlers
Module 16: Collaboration Edge Architecture
Module 17: Quality Issues in Converged Networks
Module 18: QoS and QoS Models
Module 19: Classification and Marking
Module 20: Classification and Marking on Cisco Catalyst Switches