CLCOR -IMPLEMENTING AND OPERATING CISCO COLLABORATION CORE TECHNOLOGIES V1.3

Course Code: 100502

Implement and deploy core collaboration and networking technologies featuring Cisco Unified Communications Manager.

Who Needs to Attend

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

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

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CLASSROOM LIVE	$5,585 CAD	5 Day

Classroom Live Outline

- Describing the Cisco Collaboration Solutions Architecture
- Exploring Call Signaling over IP Networks Bullet
- Integrating Cisco Unified Communications Manager LDAP
- Implementing Cisco Unified Communications Manager Provisioning Features
- Exploring Codecs
- Describing Dial Plans and Endpoint Addressing
- Implementing MGCP Gateways
- Implementing Voice Gateways
- Configuring Calling Privileges in Cisco Unified Communications Manager
- Implementing Toll Fraud Prevention
- Implementing Globalized Call Routing
- Describing Cisco Instant Messaging and Presence
- Enabling Cisco Jabber®
- Configuring Cisco Unity Connection Integration
- Analyzing Quality Issues in Converged Networks
- Defining QoS and QoS Models
- Implementing Classification and Marking
- Configuring Classification and Marking on Cisco Catalyst Switches

Classroom Live Labs

- Using Certificates
- Configure IP Network Protocols
- Configure and Troubleshoot Collaboration Endpoints
- Troubleshoot Calling Issues

- Configure and Troubleshoot LDAP Integration in Cisco Unified Communications Manager
- Deploy an IP Phone Through Auto and Manual Registration
- Configure Self-Provisioning
- Configure Batch Provisioning
- Explore the Cisco VoIP Bandwidth Calculator
- Configure Regions and Locations
- Implement Endpoint Addressing and Call Routing
- Implement PSTN Calling Using MGCP Gateways
- Configure and Troubleshoot Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI)
- Examine Cisco IOS Gateway Inbound and Outbound Dial-Peer Functions
- Implement and Troubleshoot Digit Manipulation on a Cisco IOS Gateway
- Configure Calling Privileges
- Implement Toll Fraud Prevention on Cisco Unified Communications Manager (CUCM)
- Implement Globalized Call Routing
- Deploy an On-Premise Cisco Jabber Client for Windows
- Examine the Integration between Unity Connection and CUCM
- Manage Unity Connection Users
- Enterprise Application Integration (EAI): Configure QoS

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VIRTUAL CLASSROOM LIVE	$5,585 CAD	5 Day

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Virtual Classroom Live Labs

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Sep 8 - 12, 2025 | 8:30 AM - 4:30 PM EDT

Dec 1 - 5, 2025 | 8:30 AM - 4:30 PM EST

Jan 26 - 30, 2026 | 8:30 AM - 4:30 PM EST

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ON-DEMAND	$1,950 CAD

On-Demand Outline

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On-Demand Labs

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PRIVATE GROUP TRAINING	5 Day

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