

Implementing and Operating Cisco Collaboration Core Technologies

Duration: 5 Days **Course Code: CLCOR** **Version: 1.0** **Delivery Method: Company Event**

Overview:

Implementing Cisco Collaboration Core Technologies (CLCOR) v1.0 course helps you prepare for the Cisco® CCNP® Collaboration and CCIE® Collaboration certifications, and advanced-level roles focused on implementation and operation of Cisco collaboration solutions.

You will gain the knowledge and skills needed to implement and deploy core collaboration and networking technologies, including infrastructure and design, protocols, codecs, and endpoints, Cisco IOS XE gateway and media resources, Call Control, QoS, and additional Cisco collaboration applications.

The course will help you to integrate and troubleshoot Cisco Unified Communications Manager with Lightweight Directory Access Protocol (LDAP) for user synchronization and user authentication, implement Cisco Unified Communications Manager provisioning features and configure and Troubleshoot Collaboration Endpoints.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Objectives:

- **After taking this course, you should be able to:**
- Describe the Cisco Collaboration solutions architecture.
- Compare the IP Phone signaling protocols of SIP, H323, MGCP and 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 analogue voice into digital streams.
- Describe a dial plan, and explain call routing in Cisco Unified Communications Manager.
- Implement PSTN access using MGCP gateways.
- Implement a Cisco gateway for PSTN access.
- 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.
- Describe Cisco Instant Messaging and Presence, the call flows and the protocols.
- Describe and configure endpoints and commonly required features.
- Configure and troubleshoot Cisco Unity Connection integration.
- Configure and troubleshoot Cisco Unity Connection call handlers.
- Describe how 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.

Prerequisites:

- Working knowledge of fundamental terms of computer networking, including LANs, WANs, switching, and routing
- Basics of digital interfaces, public switched telephone networks

Testing and Certification

This course also helps you prepare you to take the exam, Implementing Cisco Collaboration Core Technologies (350-801 CLCOR), which is part of the new CCNP Collaboration, CCIE

(PSTNs), and voice over IP (VoIP)

- Fundamental knowledge of converged voice and data networks and Cisco Unified Communications Manager deployment

Collaboration, and the Cisco Certified Specialist - Collaboration Core certifications. The exam will be available beginning February 24, 2020.

Content:

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

For More information, or to book your course, please call us on 353-1-814 8200

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