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CLCOR Implementing and Operating Cisco Collaboration Core Technologies Certification Training

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Course Overview

Our 5 day instructor – led 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.

This course also helps prepare you to take the exam, Implementing Cisco Collaboration Core Technologies (350-801 CLCOR), which is part of the new CCNP Collaboration, CCIE Collaboration, and the Cisco Certified Specialist – Collaboration Core certifications. The exam will be available beginning February 24, 2020.

This class will teach you how 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.

This class is perfect for students preparing to take the CNNP Collaboration certification, network administrators, network engineers and system engineers.

Schedule

Currently, there are no public classes scheduled. Please contact a Phoenix TS Training Consultant to discuss hosting a private class at 301-258-8200.

Course 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

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 ISDN 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
- 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
- EAI: Configure QoS

Related Certifications

CCNP Collaboration

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