IT-CLCOR - Implementing and Operating Cisco Collaboration Core Technologies

Cisco - CCNP Collaboration - Networking

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**Cisco Certified Network Professional Collaboration**

Descrizione del corso

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)
Prerequisites Before taking this course, you should have the following knowledge and skills:
• 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

Programma

- 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

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- 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