Implementing Cisco Collaboration Core Technologies (CLCOR)

LENGTH	PRICE (Incl. GST)	VERSION
5 days	**$6590**	**1.2**

CISCO AT LUMIFY WORK

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WHY STUDY THIS COURSE

This course 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).

Digital courseware: Cisco provides students with electronic courseware for this course. Students who have a confirmed booking will be sent an email prior to the course start date, with a link to create an account via learningspace.cisco.com before they attend their first day of class. Please note that any electronic courseware or labs will not be available (visible) until the first day of the class.

WHAT YOU'LL LEARN

After taking this course, you should be able to:

> 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 synchronisation 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

https://www.lumifywork.com/en-au/courses/implementing-cisco-collaboration-core-technologies-clcor/

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> *My instructor was great being able to put scenarios into real world instances that related to my specific situation.*
>
> *I was made to feel welcome from the moment I arrived and the ability to sit as a group outside the classroom to discuss our situations and our goals was extremely valuable.*
>
> *I learnt a lot and felt it was important that my goals by attending this course were met.*
>
> *Great job Lumify Work team.*

AMANDA NICOL
IT SUPPORT SERVICES MANAGER - HEALTH WORLD LIMITED

› 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 globalised 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

› Analyse 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

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COURSE SUBJECTS

- Cisco Collaboration Solutions Architecture

- Call Signaling over IP Networks

- Cisco Unified Communications Manager LDAP

- Cisco Unified Communications Manager Provisioning Features

- Exploring Codecs

- Dial Plans and Endpoint Addressing

- Cloud Calling Hybrid Local Gateway

- Calling Privileges in Cisco Unified Communications Manager

- Toll Fraud Prevention

- Globalised Call Routing

- Media Resources in Cisco Unified Communications Manager

- Webex Calling Dial Plan Features

- Webex App

- Cisco Unity Connection Integration

- Cisco Unity Connection Call Handlers

- Collaboration Edge Architecture

- Quality Issues in Converged Networks

- QoS and QoS Models

- Classification and Marking

- Classification and Marking on Cisco Catalyst Switches

Lab Outline

- Use Certificates

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Lumify Work Customised Training

We can also deliver and customise this training course for larger groups saving your organisation time, money and resources.

For more information, please contact us on 1 800 853 276.

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Implementing Cisco Collaboration Core Technologies (CLCOR)

- 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

- Configure Regions and Locations

- Implement Endpoint Addressing and Call Routing

- Configure Calling Privileges

- Implement Toll Fraud Prevention on Cisco Unified Communications Manager

- Implement Globalised Call Routing

- Configure the Integration Between Unity Connection and Cisco Unified CM

- Manage Unity Connection Users

- Configure QoS

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Implementing Cisco Collaboration Core Technologies (CLCOR)

WHO IS THE COURSE FOR?

- Students preparing to take the CCNP Collaboration certification

- Network administrators

- Network engineers

- Systems engineers

We can also deliver and customise this training course for larger groups – saving your organisation time, money and resources. For more information, please contact us on 1800 U LEARN (1800 853 276)

PREREQUISITES

Before taking this offering, you should have:

- 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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