CLFNDU Understanding Cisco Collaboration Foundations Instructions

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CLFNDU Understanding Cisco Collaboration Foundations

INSTRUCTION

CISCO AT LUMIFY WORK
Lumify Work is the largest provider of authorized Cisco training in Australia, offering a wider range of Cisco courses, run more often than any of our competitors. Lumify Work has won awards such as ANZ Learning Partner of the Year
(twice!) and APJC Top Quality Learning Partner of the Year.

- **LENGTH:** 5 days
- **PRICE (Incl. GST):** $6589
- **VERSION:** 1.1

WHY STUDY THIS COURSE
The Understanding Cisco Collaboration Foundations (CLFNDU) course gives you the skills and knowledge needed to administer and support a simple, single-site Cisco® Unified Communications Manager (CM) solution with Session Initiation Protocol (SIP) gateway

This course does not lead directly to a certification exam, but it does cover foundational knowledge that can help you prepare for several professional-level collaboration courses and exams:

- Implementing Cisco Collaboration Core Technologies (CLCOR) and exam 350-801
- Implementing Cisco Collaboration Applications (CLICA) and exam 300-810
- Implementing Cisco Advanced Call Control and Mobility Services (CLACCM) and exam 300-815
- Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) and exam 300-820
- Implementing Automation for Cisco Collaboration Solutions (CLAUI) and exam 300-835

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 learned a lot and felt it was important that my goals by attending this course were met.

Great job Lumify Work team.

Digital courseware: Cisco now provides students with electronic courseware for this course. Students who have a confirmed booking will be sent an email before 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.

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WHAT YOU'LL LEARN
After taking this course, you should be able to:

- Administer a single-site Cisco Unified Communications Manager, handling daily tasks such as adding, moving, changing, and deletions phones, video endpoints, and users
- Configure Jabber devices and implement common endpoint features including call park, shared lines, pickup groups, and phone button templates
- Introduce you to the SIP protocol, how calls are connected, and how media codes are determined
- Introduce you to the capabilities and basic configuration of an SIP gateway for PST N access
- Introduce you to the dial plan elements used to route calls, and the class-of-service capabilities to control who can route calls where
- Administer Cisco Unity Connection handling daily tasks such as adding, moving, and changes and deletions of voicemail boxes and users
- Administer maintenance tasks and use the troubleshooting tools available on Cisco Unified Communications Manager and Cisco Real-time
- Monitoring Tool
- Apply Continuing Education credits to validate your skills

COURSE SUBJECTS

Object ives

- Define collaboration and describe the main purpose of key devices in a Cisco collaboration on-premise, hybrid, and cloud deployment model
- Configure and modify required parameters in Cisco Unified Communications Manager (CM) including service activation, enterprise parameters, CM groups, time settings, and device pool
- Deploy and troubleshoot IP phones via auto registration and manual configuration within Cisco Unified CM
- Describe the call setup and teardown process for an SIP device including codec negotiation using Session Description Protocol (SDP) and media channel setup
- Manage Cisco Unified CM user accounts (local and via Lightweight Directory Access Protocol [LDAP]) including the role/group, service profile, UC service, and credential policy
- Configure dial plan elements within a single site Cisco Unified CM deployment including Route Groups, Local Route Groups, Route Lists, Route Patterns, Translation Patterns, Transforms, SIP Trunks, and SIP Route

Patterns

- Configure Class of Control on Cisco Unified CM to control which devices and lines have access to services
- Configure Cisco Unified CM for Cisco Jabber and implement common endpoint features including call park, softkeys, shared lines, and pickup groups
- Deploy a simple SIP dial plan on a Cisco Integrated Service Routers (ISR) gateway to enable access to the PST N network
- Manage Cisco UCM access to media resources available within Cisco UCM and Cisco ISR gateways

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

- Describe tools for reporting and maintenance including Unified Reports, Cisco Real-Time Monitoring Tool (RTMT), Disaster Recovery System
- (DRS), and Call Detail Records (CDRs) within Cisco Unified CM
- Describe additional considerations for deploying video endpoints in Cisco Unified CM
- Describe the integration of Cisco Unity® with Cisco Unified CM and the default call handler

Lab Outline

- Configure Cisco Unified Communication Manager Initial Parameters Configure the Cisco Unified CM Core System Settings
- Configure an Access Switch for an Endpoint
- Deploy an IP Phone Through Auto and Manual Registration
- Administer Endpoints in Cisco Unified Communications Manager Create a Local User Account and Configure LDAP
- Adding Users in Cisco Unified Communications Manager Create a Basic Dial Plan
- Explore Partitions and Call Search Spaces
- Explore Private Line Automatic Ringdown (PLAR)
- Deploy an On-Premise Cisco Jabber® Client for Windows
- Implement Common Endpoint Features
- Implement Single-Site Extension Mobility Configure Jabber
- Configure Voice over Internet Protocol (VoIP) Dial Peers
- Configure Integrated Service Digital Network (ISDN) Circuits and Plain Old Telephone Service (POT S) Dial Peers
- Control Access to Media Resources
- Use Reporting and Maintenance Tools
- Explore Endpoint Troubleshooting Tools
- Examine the Integration between Unity Connection and Cisco Unified CM
- Manage Unity Connection Users

WHO IS THE COURSE FOR?

- Students preparing to take the CCNP Collaboration certification Network administrators

- Network engineers

- Systems engineers

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PREREQUISITES
This course is intended to be an entry-level course. There is no specific prerequisite Cisco courses; however, the
following skills are required:

- Internet web browser usability knowledge and general computer usage

- Knowledge of Cisco Internetwork Operating System (Cisco IOS®) command line

The supply of this course by Lumify Work is governed by the booking terms and conditions. Please read the terms
and conditions carefully before enrolling in this course, as enrolment in the cours e is conditional on acceptance of
these e terms and conditions.

https://www.lumifywork.com/en-au/courses/understanding-cisco-collaboration-foundations-clfndu/

Call 1800 853 276 and speak to a Lumify Work Consultant today! email protected

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- **linkedin.com/company/lumify-work**

- **twitter.com/LumifyWorkAU**

- **youtube.com/@lumifywork**

Documents / Resources

CISCO CLFNDU Understanding Cisco Collaboration Foundations [pdf] Instructions
CLFNDU Understanding Cisco Collaboration Foundations, CLFNDU, Understanding Cisco Coll
aboration Foundations, Cisco Collaboration Foundations, Collaboration Foundations

References

- **Cisco Learning Network Space**

- **Lumify Work | Lumify Work AU**

- **Cisco Learning Network Space**

- **Lumify Work | Lumify Work AU**

- ⊛ [Implementing Cisco Advanced Call Control and Mobility Services (CLACCM) | Lumify Work AU](#)
- ⊛ [Implementing Cisco Collaboration Applications (CLICA) | Lumify Work AU](#)
- ⊛ [Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) | Lumify Work AU](#)
- ⊛ [Implementing Cisco Collaboration Core Technologies (CLCOR) | Lumify Work AU](#)
- ⊛ [Understanding Cisco Collaboration Foundations (CLFNDU) | Lumify Work AU](#)
- [User Manual](#)