

# Understanding Cisco Collaboration Foundations v1.2

Authorized Cisco Training.

The **Understanding Cisco Collaboration Foundations (CLFNDU)** training 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. The course covers initial parameters, management of devices including phones and video endpoints, management of users, and management of media resources, as well as Cisco Unified Communications solutions maintenance and troubleshooting tools. In addition, you will learn the basics of SIP dial plans including connectivity to Public Switched Telephone Network (PSTN) services, and how to use class-of-service capabilities.

This training 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:

## Collaboration Courses

- Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)
- Implementing Cisco Collaboration Applications (CLICA)
- Implementing Cisco Advanced Call Control and Mobility Services (CLACCM)
- Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)
- Implementing Automation for Cisco Collaboration Solutions (CLAUI)

## Collaboration Exams

- 350-801 Implementing Cisco Collaboration Core

Technologies (CLCOR)

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

Pay with CLC points.:

Cisco Learning Credits accepted : 44 Credits

Details and registration on the provider's website:

<https://learninglocator.cloudapps.cisco.com/#/home>

The Cisco Continuing Education program is a flexible offering dedicated to all active individuals holding certifications at the Associate, Specialist, Professional, and Expert levels.

Learn more about how you can recertify through CE to maintain your certification status.

[Cisco Continuing Education Program - CE](#)

Participation in authorized training allows you to earn additional points needed to maintain your certification.

CLFNDU: 21 points CE



## Odbiorcy szkolenia

### Who Should Enroll

- Students preparing to take the CCNP Collaboration certification
- Network administrators
- Network engineers
- Systems engineers



## Korzyści

This training will help you:

- Administer a single-site Cisco Unified Communications Manager, handling daily tasks such as add, moves, changes and deletions of 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 PSTN 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 add, moves, 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



## Program szkolenia

### Outline

1. Define Collaboration Technology and Benefits
2. Administering Initial Parameters for Cisco Unified Communications Manager
3. Exploring Endpoints and the Registration Process
4. Exploring Codecs and Call Signaling
5. Managing Users in Cisco Unified Communication Manager
6. Describing a Basic Dial Plan
7. Describing Class of Service
8. Enabling Endpoints and Features
9. Describing the Cisco ISR as a Voice Gateway
10. Exploring Cisco Unified Communication Manager Media Resources
11. Reporting and Maintenance
12. Exploring Additional Requirements for Video Endpoints
13. Describing Cisco Unity Connection

### Lab outline

1. Configure Cisco Unified Communication Manager Initial Parameters
2. Configure the Cisco Unified CM Core System Settings
3. Deploy an IP Phone Through Auto and Manual Registration
4. Administer Endpoints in Cisco Unified Communications Manager

5. Create a Local User Account and Configure LDAP
6. Adding Users in Cisco Unified Communications Manager
7. Create a Basic Dial Plan
8. Explore Partitions and Call Search Spaces
9. Explore Private Line Automatic Ringdown (PLAR)
10. Deploy an On-Premise Cisco Jabber® Client for Windows
11. Implement Common Endpoint Features
12. Implement Single-Site Extension Mobility
13. Configure Jabber
14. Configure Voice over Internet Protocol (VoIP) Dial Peers
15. Configure Integrated Service Digital Network (ISDN) Circuits and Plain Old Telephone Service (POTS) Dial Peers
16. Control Access to Media Resources
17. Use Reporting and Maintenance Tools
18. Explore Endpoint Troubleshooting Tools
19. Examine the Integration between Unity Connection and Cisco Unified CM
20. Manage Unity Connection Users



## Oczekiwane przygotowanie uczestnika

This training is intended to be an entry-level course. While there are 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



## Szkolenie obejmuje

- 5 days of work with the trainer
- Trainer supervision
- Contact with the community
- Authorized electronic version of the textbook
- Laboratory environment

Training method:

- Lecture
- Workshops



## Czas trwania

5 dni / 35 godzin

## Język

- Training: polish
- Materials: english