CLFNDU (UNDERSTANDING CISCO COLLABORATION FOUNDATIONS) 1.0

Objetivo

After taking this course, you should be able to: 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 a 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 Group, 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 PSTN network Manage Cisco UCM access to media resources available within Cisco UCM and Cisco ISR gateways 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

Público Alvo

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

Pré-Requisitos

This course is intended to be an entry-level course. 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

Carga Horária

40 horas (5 dias).

Conteúdo Programático

Exploring the Path to Collaboration

BR TREINAMENTOS | www.brtreinamentos.com.br | (11) 3172-0064
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Introducing Cisco Unified Communications Manager and Initial Parameters

Exploring Endpoints and the Registration Process

Exploring Codecs and Call Signaling

Managing Users in Cisco Unified Communication Manager

Describing a Basic Dial Plan

Describing Class of Service

Enabling Endpoints and Features

Describing the Cisco ISR as a Voice Gateway

Exploring Cisco Unified Communication Manager Media Resources

Reporting and Maintenance

Exploring Additional Requirements for Video Endpoints

Describing Cisco Unity Connection

Lab Outline
Configure Default Cisco Unified CM System and Enterprise 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
Implement Users
Create a Basic Dial Plan
Explore Partitions and Call Search Spaces
Describe Private Line Automatic Ringdown (PLAR)
Deploy an On-Premise Cisco Jabber® Client for Windows
Implement Common Endpoint Features
Configure Common Endpoint Features
Configure Voice over Internet Protocol (VoIP) Dial Peers
Configure Integrated Service Digital Network (ISDN) Circuits and Plain Old Telephone Service (POTS) 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

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