

Administering Cisco Unified Communications Workspace Part 1 (v12.5): Basic Admin

Course#:ACUCW1
Duration:5 Days
Price:0.00

Course Description

The Global Knowledge companion course to ACUCW1 is ACUCW2. This latter course is an advanced administrative course focused on infrastructure deployment. The pre-configured environment used as the starting point for ACUCW1 is created from scratch in the ACUCW2 course. These two courses together provide coverage of both multi-site deployment and administration.

Interested in some parts of ACUCW1 and ACUCW2? Contact us to discuss course customization: we can design a custom course for you covering the material you need covered in the time you have available. Taken the previous version of ACUCW1 and ACUCW2? Consider the new ACUCW Lab workshop: a whiteboard-based workshop focusing on the ACUCW1 and ACUCW2 labs.

Objectives

Global Knowledges new and enhanced Real World Lab topology includes:

View the enhanced Global Knowledge real-world topology

Six sites distributed across Canada and the United States:

Each site has its own DID range to illustrate DID management

Each site has a gateway to the PSTN with site appropriate dialing (i.e. 11-digit dialing at the NYC sites, 7-digit dialing at the Buffalo site and 10-digit dialing everywhere else)

A dozen pre-configured endpoints and six pre-configured users speed up the labs and give students a base deployment to work from.

Different sites implement different approaches to Directory Number (DN) configuration and the labs illustrate how these approaches can coexist:

Buffalo site DNs are configured as local extensions

Seattle site DNs are configured using E.164 addresses

The remaining site DNs are configured using an Enterprise Numbering Scheme

Alternate addresses are deployed to provide a consistent scheme for intersite dialing

All sites support three methods for internal dialing across the multisite deployment:

Intrasite dialing by extension

Intersite dialing using an enterprise numbering scheme

Globalized E-164 internal dialing

A centralized Cisco Unity Connection cluster providing:

Voicemail, integrated messaging and unified messaging;

A dial plan supporting enterprise-wide and site-specific directory searches;

Enterprise-wide and site specific auto attendants

In addition to coverage of the basic concepts, ACUCW1: Basic Administration of a Multisite Environment includes new and exclusive content:

Understand internal dialing in a multi-site/multi-cluster deployment:

Intra-site dialing by extension

Inter-site and inter-cluster dialing using an Enterprise numbering and Globalized E.164 Routing schemes

Dialing using SIP URIs

Manage Directory Numbers and DIDs in a multi-site/multi-cluster deployment:

- Quickly find available DIDs at any site
- Track assigned/unassigned and temporarily reserved DIDs
- Work with shared lines and phantom numbers

Speed up Moves/Additions and Changes at each site with LDAP and templates:

- Get organized with Device Pools
- Build and use site specific templates
- Create LDAP synchronization agreements
- Make the most out of the BAT tool

Manage conferencing in version 12.5:

- Manage Meet me number ranges and Conference Now conferencing in a multi-site environment

Understand Cisco Unity Connection multi-site deployments:

- Use Cisco Unity Connection Routing Rules and Alternate Extensions to support users in different sites with different addressing schemes
- Configure different auto attendants for different sites
- Configure Site specific Directory searches

Why Take ACUCW1 from Global Knowledge?

Global Knowledge is the only learning partner offering role-based training on a real-world multi-site lab topology specifically designed for the needs of North American students. No other learning partner offers a course, like ACUCW1, designed to address the needs of entry-level administrators in North America and specifically targeting multi-site deployments:

Entry-level administrators do not configure routers: router configuration is not included in the class

Labs are based on a pre-configured, multi-site network with the focus on user and phone moves, adds, changes and deletes, and including simple feature configuration. For Unity Connection, the focus is on subscriber and auto attendant administration.

Accompanying follow-on courses provide an excellent track for career development.

What Youll Learn in Class

Understand basic CUCM architecture and terminology

How the CUCM administrative and user GUIs work

Get organized with Device Pools and other common elements of phone configuration

Understand Internal dialing in a multi-site/multi-cluster deployment

Manage Directory Numbers and DIDs in a multi-site/multi-cluster deployment, track assigned/unassigned and temporarily

reserved DIDs and quickly find available DIDs at any site when adding new Users

Work with shared lines and phantom numbers

Add and delete phones manually, using auto registration and using the BAT tool

Speed up Moves/Addds and Changes at each site with LDAP and templates

Build and use site specific templates

Make the most out of the BAT tool to make moves, adds, changes and deletes quicker and easier to manage

Manage Meet me number ranges and Conference Now conferencing in a multi-site environment

Add users, assign them capabilities, and associate them with phones

Configure phones for Class of Service using the line/device approach

Configure phones for voice mail

Configure Cisco Unity Connection users

Deploy and use the Cisco Jabber Client in Phone Only and Full UC modes

OUTLINE

Audience

Administrators who need to perform MACDs (Moves, Adds, Changes and Deletes).

Administrators, engineers, network architects, and integrators with overall responsibility for Cisco UC networks and needing a better understanding of multisite administration in North America.

Prerequisites

This is an introductory course. Familiarity with relevant technologies is recommended but not required.

Content

VirtualClassroom Live Outline

Module 1: Introduction to Cisco Unified Communications

Understanding Components of Cisco Unified Communications Solutions

Understanding the Characteristics of Cisco Unified Communications Solutions

Module 2: Understanding User Interfaces

Understanding Administrator Interfaces

Understanding End-User Interfaces

Module 3: End User Configuration

Understanding End-User Characteristics

Understanding End-User Implementation

Module 4: Endpoint Configuration and Native Presence

Understanding Endpoint Characteristics

Understanding Endpoint Implementation

Configuring Native Unified Communications Manager Native Presence

Module 5: Understanding Cisco Unified Communications Manager Dial Plans

- Understanding Call Flows and Call Legs
- Describing Dial Plan Components
- Endpoint Addressing and Call Routing Overview
- Implementing Class of Service
- Call Coverage

Module 6: Audio and Video Conferencing and Music on Hold

- Describing Media Resources
- Annunciators and MOH
- Implementing Conference Bridges

Module 7: Cisco Unity Connection Users, Mailboxes and Basic Call Management

- Understanding Cisco Unity Connection
- Integrating Cisco Unity Connection with Cisco Unified Communications Manager
- Configuring CUC Users, Templates and CoS
- Configuring the Cisco Unity Connection System
- Implementing Cisco Unity Connection Dial Plan and Call Management
- Configuring Unified Messaging
- Troubleshooting Cisco Unity Connection

Virtual Classroom Live Labs

- Lab 1 - Remote Lab Access
- Lab 2 - Exploring Cisco Collaboration Administrator Interfaces Enhanced
- Lab 3 - Exploring Cisco Collaboration OS Administration

Lab 4 - Exploring Cisco Collaboration End User InterfacesEnhanced
Lab 5 - User Management - Manual AdministrationEnhanced
Lab 6 - User Management - Bulk Administration ToolEnhanced
Lab 7 - User Management - LDAP IntegrationEnhanced
Lab 8 - MACDs - Managing the SEA253 SiteNEW
Lab 9 - Implementing Endpoints using BAT
Lab 10 - IMP and Jabber ClientsNEW
Lab 11 - Basic Cisco IP Phone Configuration: Basic Features
Lab 12 - MACDs - Managing the NYC516 Site OPTIONAL BONUS LabNEW
Lab 13 - Exploring Call Flows in CUCMEnhanced
Lab 14 Forwarding, Call-Park and Call-PickupEnhanced
Lab 15 - Call HuntingEnhanced
Lab 16 - Music on Hold and Software Conference ResourcesEnhanced
Lab 17- More Telephony Features OPTIONAL BONUS Lab
Lab 18 - Users and MailboxesEnhanced
Lab 19 Call Handling at the SEA253 SiteNew