

Administering Cisco Unified Communications Workspaces Part 2 (v12.5): Advanced

Course#: ACUCW2
Duration: 5 Days
Price: 0.00

Course Description

The preconfigured environment used as the starting point for ACUCW1 is created from scratch in the ACUCW2 course. These two courses together provide coverage of both multisite 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

Why Take ACUCW2 from Global Knowledge?

Global Knowledge is the only training partner offering role-based training on a real-world multi-site lab topology specifically designed for the needs of North American students. No other training partner offers a course, like ACUCW2, designed to address the needs of advanced or senior administrators in North America and specifically targeting multi-site deployments:

View the enhanced Global Knowledge real-world topology

Many Cisco Collaboration Solution administrators are focused on application administration and do not configure routers: router configuration is not included in the class

Labs are based on real world multi-site network

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

What Youll Learn in Class?

In this class you will learn the advanced administrative concepts needed to understand Cisco Collaboration Solution configuration:

Learn about the Cisco Collaboration Solutions 12.5 Preferred Architecture

Perform initial system configuration including service activation, enterprise and system parameter configuration,

CallManager group and device pools configuration

Build a line/device multi-site dial plan using local route groups

Deploy calling privileges using partitions, calling search spaces and translation patterns

Understand the NANP (North American Numbering Plan) and its implications for multisite deployments

Deploy CUCM mobility features: extension mobility, device mobility, and unified mobility (single number reach)

Configure Instant Messaging and the Presence Server

Configure Jabber Clients for full UC services

Audience

Administrators who need a more comprehensive understanding of the Cisco UC infrastructure.

Administrators, engineers, network architects, and integrators with overall responsibility for Cisco UC networks.

Prerequisites

For this advanced administrative course, you should have experience performing basic CUCM administrative tasks, including IP Phone moves, adds and changes and as well have some familiarity with the CUCM Administrative GUI. An understanding of router configuration is not needed.

ACUCW1 - Administering Cisco Unified Communications Workspace Part 1 (v12.5): Basic Administration for Multisite Deployments

CLFNDU - Understanding Cisco Collaboration Foundations v1.0

Content

Classroom Live Outline

Cisco Unified Communications Manager Architecture and Initial Configuration

Describing the Role of Cisco Unified Communications Manager, Its Architecture and Its Deployment and Redundancy Options

Performing Initial Cisco Unified Communications Manager Configuration

Deploying Endpoints and Users

Multisite CUCM Dial Plan Design and Deployment

Describing Dial Plan Components

Understanding Call Flows and Call Legs

Endpoint Addressing and Call Routing Overview

Implementing Calling Privileges

Identifying Issues in a Multisite Deployment

Identifying Multisite Deployment Solutions

Implementing Gateway Selection and PSTN-Access Features

Implementing Call Coverage

Bandwidth Management and Call Admission Control

Managing Bandwidth

Implementing Call Admission Control

Implementation of Features and Applications for Multisite Deployments

Implementing Device Mobility

Implementing Cisco Extension Mobility

Implementing Cisco Unified Mobility

Module 5: Cisco Unified Communications Manager IMP

Understanding Cisco Unified Communications Manager IM and Presence
Enabling Cisco Unified Communications Manager IM and Presence Service

Module 6: Cisco IP Phone Services

Deploying IP Phone Services

Classroom Live Labs

- Lab 1: Remote Lab Access
- Lab 2: Initial System ConfigurationEnhanced
- Lab 3: NTP and Date/Time Group Configuration
- Lab 4: Device Pool ConfigurationEnhanced
- Lab 5: BUF850 SIP Trunk Configuration and Testing
- Lab 6: Route Group Configuration
- Lab 7: Route List Configuration
- Lab 8: Route Pattern Configuration and TestingEnhanced
- Lab 9: Calling Privileges Configuration TestingEnhanced
- Lab 10: Deploy NYC516 SiteNEW
- Lab 11: Deploy SEA253 SiteNEW
- Lab 12: Deploy SEA425 Site OPTIONAL BONUS LabNEW
- Lab 13: Deploy HAM601 Site OPTIONAL BONUS LabNEW
- Lab 14: Deploy WPG602 Site OPTIONAL BONUS LabNEW
- Lab 15: Jabber Configuration in Phone Mode BONUS LabNEW
- Lab 16: Region ConfigurationEnhanced
- Lab 17: Locations ConfigurationEnhanced
- Lab 18: Device MobilityEnhanced
- Lab 19: Extension MobilityEnhanced
- Lab 20: Unified MobilityEnhanced
- Lab 21: Enable IM and PresenceEnhanced

Lab 22: LDAP Configuration OPTIONAL BONUS LabEnhanced

Lab 23: Disaster Recovery OPTIONAL BONUS Lab

Lab 24: Call Hunting OPTIONAL BONUS Lab