

Course Outline

ADMINISTERING UNIFIED CONTACT CENTER ENTERPRISE WITH CVP PART 1 Course AUCCE 1: 5 days Instructor Led

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About this course

Administering Cisco Unified Contact Center Enterprise Part 1 (AUCCE Part 1) is a 5-day instructor-led course intended for system engineers and customers who will be involved with day 2 support of a UCCE solution deployed in a CVP comprehensive environment.

AUCCE Part 1 course gives the learner an understanding of the requirements, resources and tools needed to perform routine adds, moves and changes in the inbound/outbound UCCE environment. This course is intended for those administering the solution, or who may be responsible for Level 1-2 support of the solution. This course also serves as a good stepping-stone for the corresponding Administering Cisco Unified Contact Center Enterprise Part 2 (AUCCE Part 2) course and should be considered as a prerequisite before taking Part 2. This course is also a good companion course to the DUCCE course, which covers more detail on the installation/maintenance of the UCCE solution.

The overall goal of this course is to build an effective administrator of the solution by exposing the technical requirements of the solution and utilizing the solution tools for effective operation. The learner will be exposed to CCE (ICM) and VXML scripting in this course to ensure basic competence with the solution. For advanced scripting topics, refer to the AUCCE Part 2 or the CVPD course.

Audience profile

The primary audience for this course is as follows:

- Cisco Unified Communications system channel partners and resellers responsible for the Sales, Implementation or Support of a UCCE solution
- Day 1 and Day 2 support personnel responsible for the daily add/move/change of the UCCE environment

The secondary audience for this course is as follows:

- Managers, team-leads, business liaison personnel or anyone who needs to be remotely involved in the UCCE solution and have a better overall understanding of its function.

At course completion

After completing this course, students will be able to:

- Demonstrate an overall understanding of the Cisco Unified CCE solution from a component functional level.
- Demonstrate basic proficiency with add/move/change of the ACD/PBX (agent/skill) environment of UCCE.
- Demonstrate basic proficiency with add/move/change of the IVR (prompt/collect/queue) environment of UCCE including both MicroApp and VXML solution scripting (ICM Scripting and Call Studio scripting).
- Configure a Supervisor to enable CUIC Reporting functionality including running stock reports and creating dashboards.

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Module 1: Cisco Unified Contact Center Enterprise v11 Foundations

- Lesson 1: Introducing UCCE

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- Lesson 2: Unified CCE Architecture and Components
- Lesson 3: UCCE Terms, Routing and Additional Components
- Lesson 4: Accessing UCCE Tools

Module 2: UCCE Configuration and Scripting

- Lesson 1: Configuration Manager
- Lesson 2: ICM Script Editor Overview
- Lesson 3: Scripting for CVP

Module 3: CCE Inbound Agent Considerations

- Lesson 1: CTI Options Overview
- Lesson 2: Configure ICM for Agent Functionality
- Lesson 3: Configure UCM for Agent Functionality
- Lesson 4: Scripting ICM for Agent Functionality

Module 4: Unified CCE IVR/VRU Functionality

- Lesson 1: Basic IVR Scripting with MicroApps
- Lesson 2: ICM MicroApps
- Lesson 3: ICM Scripting Using MicroApps

Module 5: Additional UCCE Considerations

- Lesson 1: ICM Considerations for Reporting and Monitoring
- Lesson 2: Precision Routing
- Lesson 3: RONA

Module 6: External VXML Implementation

- Lesson 1: Basic VXML Functionality
- Lesson 2: Installing and Configuring VXML

Module 7: Cisco Unified Intelligence Center (CUIC) Reporting

- Lesson 1: CUIC Overview
- Lesson 2: CUIC Reporting

Lab Outline:

- Lab 1-1: Overview of the AUCCE Lab Environment
- Lab 1-2: Explore Your Voice Gateway (Ingress/VXML)
- Lab 1-3: Explore CVP and ICM Servers
- Lab 2-1: Administering ICM Dialed Numbers and Call Types
- Lab 2-2: Prepare a Simple Label Script
- Lab 2-3: Using ICM Tools for ICM Scripts
- Lab 3-1: Configure ICM for Basic Agent and Skill Group Functionality

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- Lab 3-2: Configure UCM for Agent Functionality
- Lab 3-3: Install CTIOS Agent/Supervisor Desktop Agent/Supervisor Desktop
- Lab 3-4: Testing Basic Skill Group Functionality in an ICM Script
- Lab 4-1: Media Files and Variables in ICM Scripts
- Lab 4-2: Basic IVR Scripting with MicroApps
- Lab 5-1: Configuring CCE for Monitoring and Reporting
- Lab 5-2: Configuring and Using Precision Routing
- Lab 5-3: RONA
- Lab 5-4: Implement Administrative Scripts
- Lab 5-5: Configure Calls Using SIP with Proxy (Optional)
- Lab 5-6: Configure CTI Route Point for on-net CCE Calls and Agent-Initiated Transfers (Optional)
- Lab 6-1: VXML Server Configuration and Call Studio Installation
- Lab 6-2: Create and Deploy a Cisco Unified Call Studio Project
- Lab 6-3: Integrate VXML Applications with an ICM Script
- Lab 7-1: Run more CCE Reports, Create a Dashboard in CUIC