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Learning Style: Virtual Classroom

Technology: Cisco

Difficulty: Advanced

Course Duration: 3 Days

## Administering Advanced Cisco Contact Center Enterprise (CCEAA)



### About this Course:

The **Administering Advanced Cisco Contact Center Enterprise (CCEAA)** v1.0 course teaches you how to execute advanced administration tasks associated with the Cisco® Contact Center Enterprise (CCE) solution through an in-depth

examination of technical and operational requirements, and of the tools used to configure and ensure CCE solution functionality.

This course will help you:

- Learn how to optimize management of CCE solutions for proactive management of contact centers tasks
- Manage the effects of using CCE solutions for scalability and interaction between the solution components for centralized application management

## **Course Objectives:**

After taking this course, you should be able to:

- Describe the components, protocols, and call flow of Cisco Packaged Contact Center Enterprise (PCCE) by referencing the discovery platform to prepare for further scripting and configuration activities.
- Run the CCE Bulk Import utility using the CCE Web Administration tool to develop a base line CCE configuration.
- Configure an advanced VoiceXML (VXML) application implementing DB lookup functionality and digit collection using Call Studio and CCE Scripting tools; present call data collected from the caller to the Agent desktop.
- Provision CCE to support Cisco Unified Communications Manager (CUCM) calls to the Contact Center using CUCM and CCE configuration tools. This functionality enables CCE Route Requests from CUCM to support contacts initiated from a CUCM managed device (Gateways, Phones, Line Side Interactive Voice Response [IVR] Ports). This functionality can also enable non-Contact Center calls and calls handled by Agents, whether existing or new.
- Access and deploy custom gadgets to the Finesse desktop using the CCE Web Administration tool to further enhance functionality of the Finesse Agent Desktop.
- Successfully deploy Mobile Agent in a CCE Environment.
- Successfully deploy Post Call Survey in a CCE Environment.

## **Audience:**

The primary audience for this course is as follows:

- Deployment engineer
- Sales engineer

## **Prerequisites:**

To fully benefit from this course, you should have the following knowledge:

- Basic knowledge of networking (Windows Active Directory, SQL) and components (servers, routers, switch) is helpful but not required

- Working knowledge of Unified Communications Manager and voice gateways
- Basic understanding of Cisco Unified Contact Center Enterprise architecture and operation

## **Course Outline:**

### **Module 1 – PCCE Review**

- PCCE Architecture and Components Review
- PCCE Protocols Review
- PCCE Call Flow Review
- PCCE Access Tools Review
- Discovery 01-1: Review Discovery
- Discovery 01-2: Navigating CCE Discovery Architecture and Components

### **Module 2 – Introducing Bulk Import Tools**

- Use the PCCE Bulk Import Tool
- Use Bulk Import Templates
- Discovery 02-1: Importing Bulk Data

### **Module 3 – Configuring Advanced Scripting and CCE Data Exchange**

- Design for Advanced Scripting
- CCE Data Exchange
- Using Call Studio
- Implement Database Lookup using VXML
- Collect Response from the Caller
- Invoking Call Studio Applications with CCE Routing Scripts
- Discovery 3-01 Creating VXML Application using Call Studio
- Discovery 3-02 Configure Precision Queues
- Discovery 3-03 Creating CCE Routing Script
- Discovery 3-04 Customizing Finesse Desktop
- Discovery 3-05 Testing your Call Flow

### **Module 4 – CUCM Initiated Call Flows**

- Understand Transfer Types and CVP Call Flow Models
- Describe Subsequent Transfers
- Perform UCM Configurations for Transfers
- Configure CUCM as Routing Client and Agent Transfers
- Discovery 4-01 Configure CUCM as Routing Client and Agent Transfers

### **Module 5 – Using Gadgets to Customize the Finesse Desktop**

- Obtain Finesse Custom Gadgets
- Deploy Finesse Custom Gadgets
- Discovery 5-01 Deploying Finesse Gadgets

## Module 6 – Implementing Mobile Agent

Examining Mobile Agent Functionality  
Identify Mobile Agent Architecture and Components  
Configuring Mobile Agent  
Logging in as Mobile Agent  
Planning Mobile Agent Design and Integration  
Discovery 6-01 Implementing Mobile Agent

## Module 7 – Implementing Post Call Survey

Examining Post Call Survey Functionality  
Configuring Post Call Survey  
Reporting Considerations for Post Call Survey  
Discovery 7-01 Implementing Post Call Survey

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