

Document Generated: 04/11/2026

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  
 Discovery3-02 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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