

## Contact Center Enterprise Fundamentals and Administration

**Duration: 5 Days    Course Code: CCEFA    Version: 1.0    Delivery Method: Virtual Learning**

### Overview:

This 5 day course combines the 1 day CCEF course and the 4 day CCEA course. Booking both together saves you money and ensures your team gets the training they need as quickly as possible.

The **Understanding Cisco Contact Center Enterprise Foundations (CCEF)** course gives you an overview of the Cisco® Packaged Contact Center Enterprise (PCCE) and Unified Contact Center Enterprise solutions. Focusing on the Cisco Contact Center Enterprise (CCE) family of products, you will explore key features and functionality of the solution including architecture, major system components, and tools used for administration and reporting. This course is the foundation for additional courses required to deploy, configure, support, and troubleshoot Cisco CCE solutions.

The **Administering Cisco Contact Center Enterprise (CCEA)** course teaches you the contextual information around call flow between components in the Cisco® Unified Contact Center Enterprise (UCCE) solution including intelligent contact routing, call treatment, network-to-desktop Computer Telephony Integration (CTI), and multichannel contact management over an IP infrastructure. You receive hands-on practice using administrative tools to perform routine adds, moves, and changes in an inbound contact center environment.

#### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

### Target Audience:

Anyone requiring an understanding of the Cisco Contact Center Enterprise solution and who provides administration and Day 2 Support.

### Objectives:

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>■ <b>After completing this course, you should be able to:</b></li> <li>■ Provide a high-level overview of the Cisco Contact Center portfolio</li> <li>■ List the key components within the Packaged Contact Center Enterprise (PCCE) architecture and their functions</li> <li>■ Describe how calls flow through PCCE using appropriate terms and naming conventions</li> <li>■ Introduce the tools used in the configuration, scripting, reporting and support of a PCCE deployment</li> <li>■ Identify advanced features available within the PCCE solution</li> <li>■ Navigate CCE configuration and scripting tools</li> <li>■ Configure a dialed number, call type, and media routing domain</li> <li>■ Build a basic Cisco Intelligent Contact Management (ICM) script</li> </ul> | <ul style="list-style-type: none"> <li>■ Configure agents and skill groups</li> <li>■ Configure basic Interactive Voice Response (IVR) functionality</li> <li>■ Implement attributes and precision queues</li> <li>■ Configure Ring-No-Answer (RONA) using CCE configuration tools</li> <li>■ Configure and populate an agent team and primary supervisor</li> <li>■ Improve agent efficiency through finesse enhancements</li> <li>■ Build and test a basic Voice XML (VXML) application</li> <li>■ Implement roles, departments, and business hours</li> <li>■ Run Cisco Unified Intelligence Center (CUIC) reports using the Reporting tool</li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Prerequisites:

### Testing and Certification

**Attendees should meet the following prerequisites:**

- 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

**Recommended as preparation for the following exams:**

- **500-422 CCEA** - Administering Cisco Contact Center Enterprise Exam

---

**Follow-on-Courses:**

- CCEAAR - Contact Center Enterprise Advanced Administration and Reporting
  - CCEAA - Administering Advanced Cisco Contact Center Enterprise
  - CCER - Reporting Cisco Contact Center Enterprise
-

## Content:

### Introduction to CCE

- Cisco Contact Center Basics
- Cisco Contact Center Fundamentals

### Functionality of PCCE Components

- Public Switched Telephone Network (PSTN) and Voice Gateways
- Cisco Unified Border Element (CUBE)

### Terms and Naming Conventions Used in CCE

- CCE Access Environment
- CCE Routing Configuration

### Access Tools Available in CCE

- Single Pane of Glass (SPOG)
- Cisco Intelligent Contact Management (ICM) Configuration Manager

### Discovering CCE Features Beyond Default

- Agent Management
- Agent Efficiency

### Cisco Unified Contact Center Review

- Contact Center Basics
- Components and Architecture

### Deploying Basic Call Settings

- Associate Basic Call Settings
- Explore Media Routing Domains

### Building a Basic Cisco Unified Contact Center Enterprise Script

- Introduce Script Editor
- Use Script Editor Nodes

### Configuring Basic Agent Functionality

- Introduce Agent Functionality
- Configure Agent Desk Settings

### Configuring Basic Call Treatment and Queuing

- Explore Media Server and Files
- Introduce Microapps

### Implementing Precision Routing

- Introduce Precision Routing Basics
- Examine the Migration Path

### Configuring RONA Support

- Introduce RONA Functionality
- Identify RONA Timeout Considerations

### Configuring Agent Teams and Supervisors

- Configuring Teams and Supervisors
- Explore Agent Roles

### Administering the Cisco Finesse Desktop

- Administering Cisco Finesse Desktop
- Introduce Cisco Finesse Administration

### Implementing Voice XML Applications

- Introduce VXML
- Build a Basic Call Studio Project

### Configuring Roles, Departments, and Business Hours

- Examine Post-Call Survey Functionality
- Configure Post-Call Survey

### Running Unified CC Enterprise Reports with Unified Intelligence Center (IC)

- Configure Unified CC Enterprise Administrators
- Configure Departments

### Labs

- Navigate CCE Discovery Architecture and Components
- Explore ICM Configuration Tools
- Administering ICM Dialed Numbers and Call Types
- Prepare a Basic Label Script
- Using ICM Tools for ICM Scripts
- Configure ICM for Basic Agent and Skill Group Functionality
- Configure UCM for Agent Functionality
- Test Basic Skill Group Functionality in an ICM Script
- Examine Media Files and Variables in ICM Scripts
- Build Basic ICM Scripts with MicroApps
- Configure and Implement Precision Routing
- Configure RONA
- Configure Agent Teams and Supervisors
- Cisco Finesse Administration
- Configure VXML Server and Install Call Studio
- Create and Deploy a Call Studio Project
- Integrate VXML Applications with a Unified CC Enterprise Script
- Configuring Roles, Departments, and Business Hours
- Run Unified IC Stock Reports

### Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

[training@globalknowledge.com.eg](mailto:training@globalknowledge.com.eg)

[www.globalknowledge.com/en-eg/](http://www.globalknowledge.com/en-eg/)

Global Knowledge, 16 Moustafa Refaat St. Block 1137, Sheraton Buildings, Heliopolis, Cairo