

## CI – IIUC2 Implementing Cisco IOS Unified Communications Part 2



### Summary

**Duration**  
5 Days

**Vendor**  
Cisco

**Category**  
Voice / Channels IP Communication Express  
Specialization

### Introduction

This is a 5-day advanced course in implementing Cisco Unified Communications Manager Express and Cisco Unity Express systems. As a follow-on course to Implementing Cisco IOS UC Systems (IIUC), CUCME students will learn to implement CME to support SCCP and SIP endpoints. In addition Unified Messaging Gateways (UMG), and PSTN calling will be configured. Students will configure CUE voicemail networking and VPIM. Operation and troubleshooting will include tracing and debugging of CME, CUE and UMG.

### Prerequisites

The knowledge and skills that a learner must have before attending this course are as follows:

- Skills and knowledge equivalent to those learned in Interconnecting Cisco Networking Devices Part 1 (ICND1).
- IIUC

### Course Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Configure the basic features and functionality of Cisco Unified Communications Manager.
- Express to support IP phones, analog voice interfaces, digital voice interfaces, VoIP dial peers, digit manipulation, class of service, network management, and capturing Call Detail Records.
- Configure advanced Cisco Unified Communications Manager Express features for both SIP and SCCP phones.
- Implement hardware and software media resources: transcoding, conferencing, and music on hold 2 Implementing Cisco IOS Unified Communications Part 2 (IIUC2) v1.0 © 2008 Cisco Systems, Inc.
- Implement Cisco Unified CallConnector Mobility server to track Cisco Unified Communications Manager Express phones and PSTN connections, provide single number reach services, and integrate call control through Windows add-ins.
- Configure Cisco Unity Express: users, groups, voice mailboxes, Instant Messaging, VoiceView, notification, Live Record, Cisco Unity Express AutoAttendant, and troubleshoot Cisco Unity Express.
- Extend Cisco Unity Express by configuring a Unified Messaging Gateway to simplify VPIM networking between Cisco Unity Express

## Course Outline

- Module 1: Review of Cisco Unified Communications Manager Express Fundamentals
- Module 2: Configuration of Cisco Unified Communications Manager Express Features
- Module 3: Configuration of New Cisco Unified Communications Manager Express Features
- Module 4: Implement Media Resources Overview
- Module 5: Implement Cisco Unified CallConnector and Cisco Unified CallConnector Mobility
- Module 6: Cisco Unity Express Voice Mail and AutoAttendant Configuration
- Module 7: Cisco Unity Express VPIM Networking and Cisco Unified Messaging Gateway
- Module 8: Troubleshooting Cisco IOS Software-Based Unified Communications

## Associated Certifications & Exams

The 642-145 IIUC2 Implementing Cisco IOS Unified Communications Part 2 exam is the exam associated with the IP Communications Express Specialist certification. This exam tests a candidate's knowledge of installing Cisco Unified Communications Manager Express and Cisco Unity Express, with support for both SCCP and SIP endpoints, Unified Call Connector, Call Connector Mobility and PSTN Calling. In addition, performance monitoring and maintenance tasks are covered as well as configuring Unified Messaging Gateway, and troubleshooting.

On successful completion of this course students will receive a Torque IT attendance certificate.