
Implementing Cisco IOS Unified Communications

Duration: 5 Days **Course Code: iiuc**

Overview:

Implementing Cisco IOS Unified Communications (IIUC) v 1.0 is an instructor led course that focuses on the knowledge and skills needed to implement Cisco VOIP Networks consisting of voice gateways. It also focuses on implementing Cisco Unified Communication 500 Series for Smalls Business, Cisco Unified Communications Manager Express, and Cisco Unity Express in a Cisco Unified Communications Manager Express Installation.

Target Audience:

The target audience for this course is as follows Network Administrators Network Engineers Network Managers Systems Engineers
The secondary audience for this course would be Network Designers.

Objectives:

- Upon completion of this course, you will be able to meet these objectives;
 - Explain the benefits and components of Cisco Unified Communications system
 - Describe how traditional telephony systems operate.
 - Describe the basic operation, protocols, components involved in a VOIP call and configure a gateway to support these call.
 - Implement Cisco Unified Communications Manager Express to support a single site.
 - Install Cisco Unity Express, configure Cisco Unity Express Auto Attendant and troubleshoot Cisco Unity Express.
 - Describe and implement the Cisco Smart Business Communications System using the Cisco Configuration Assist.
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Prerequisites:

Before attending this course delegates must have completed the following

- ICND1, Interconnecting Cisco Network Devices Part 1
 - ICND2, Interconnecting Cisco Network Devices Part 2
 - Or
 - CCNABC, Cisco CCNA Certification Fast Track Programme
- It is also recommended that before attending this training delegates would have a basic knowledge of Cisco lifecycle deployment, SONA, Wireless standards (IEEE), wireless regulator environment (FCC, ETSI, etc) and wireless certification organisation (WIFI alliance)
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Testing and Certification:

Attendance of this course will prepare delegates for the following exam(s);

640-460 IIUC Implementing Cisco IOS Unified Communications

Content:

Cisco Unified Communications Systems

Introduction

- Introducing the Cisco Unified Communications System
- Understanding Cisco Unified Communications Applications

Traditional Telephony Operations

- Understanding Traditional Telephony
- Introducing Analog Circuits
- Introducing Digital Circuits

VoIP Fundamentals

- Understanding Packetization
- Introducing VoIP Signalling Protocols
- Implementing VLANs, Trunks and Inter VLAN Routing
- Preparing the Network to Support Cisco Unified Communications
- Connecting a VoIP System to a Service Provider Network
- Understanding Call Setup and digit Manipulation
- Describing QoS

Cisco Unified Communications Manager Express Implementation

- Introducing Cisco Unified Communications Manager Express
- Defining Ephone-dn and Ephone
- Configuring Cisco Unified Communications Express Manager to Support Endpoints
- Implementing Basic voice Features
- Maintaining a Cisco Unified Communications Manager Express System

Cisco Unity Express Implementation

- Introducing Cisco Unity Express
- Implementing Cisco Unity Express

Cisco Smart Business Communications System Implementation

- Introducing the Cisco Smart Business Communications Systems
- Implementing the Cisco Smart Business Communications Systems Voice Features
- Implementing Additional Cisco Smart Business Communications Systems Features
- Maintaining a Cisco Smart Business Communications Systems

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

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