
Implementing Cisco Unified Wireless Mobility Services

Duration: 5 Days **Course Code: IUWMS**

Overview:

In this course, you will prepare for the professional-level CCNP Wireless certification as you learn to integrate mobility services into the network, tune and troubleshoot the wireless LAN (WLAN), and implement indoor enterprise mesh networks. Hand-on labs reinforce lecture material and ensure that you thoroughly understand how to implement mobility services in the wireless network.

Objectives:

- After you complete this course, you will be able to:
 - Design the WLAN infrastructure for location services
 - Design network for High Availability
 - Implement Cisco location-based services
 - Configure WCS for controller and access point templates
 - Implement and manage an enterprise mesh network
 - Outdoor wireless installations
 - Perform a Layer 2 survey for 802.11n (Greenfield Survey) devices only
 - Perform a wireless site assessment and audit once the WLAN has been installed
 - Complete a site survey report
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Content:

1. Design WLAN Infrastructure for Mobility

- Utilizing Recommended Design Practices
- Implications of Layer 2 and Layer 3 Roaming
- Designing for High Availability
- Single SSID Designs with Mobility

2. Implement and Manage Advanced Services with WCS and WCS Navigator

- Configuring WCS Controller and Access Point Templates
- Configuring WCS for WLC Auto-Provisioning
- Implementing WCS Partitioning
- Scheduling Wireless Access Using WCS
- Configuring Reports
- Configuring Administrative Tasks
- Connecting and Troubleshooting Clients
- Roles, Features, and Functions of WCS Navigator

3. Design the Wireless Network for Location

- Location Techniques
- Deployment Requirements
- Applications of RFID, Chokepoint, and TDoA

4. Cisco Location-Based Services Implementation

- Mobility Services Architecture and Appliances
- Configuring the Cisco 2700 Series Wireless Location Appliance and the Cisco 3300 Series Mobility Service Engine
- Integrating and Managing the MSE and the Location Appliance with WCS
- Configuring and Tuning Location with WCS and MSE / Location Appliance
- Tracking Mobile Clients
- Configuring, Generating, Interpreting Location and Event Notifications
- Integrating Third-Party Applications
- Location Appliance and MSE Maintenance
- Troubleshooting Location

5. Implement and Manage an Indoor Enterprise Mesh

- Indoor Enterprise Mesh
- Mesh Formation
- Implementing an Enterprise Mesh
- Configuring Enterprise Mesh Advanced Features
- Configuring WCS for an Indoor Mesh
- Troubleshooting Indoor Mesh

6. Implement and Manage an Outdoor Enterprise Mesh

- Outdoor Wireless
- Mobile Routing
- Wireless Bridging
- Outdoor Mesh

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

training@globalknowledge.ae

www.globalknowledge.ae

Global Knowledge, Dubai Knowledge Village, Block 2A, First Floor, Office F68, Dubai, UAE