
Implementing Cisco Unified Wireless Mobility Services

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

Overview:

In the Implementing Cisco Unified Wireless Mobility Services (IUWMS) course, you'll 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.

Target Audience:

This course is designed for: Wireless network engineers Wireless test engineers Wireless network administrators Wireless network managers Midlevel wireless support engineers

Objectives:

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

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

- Wireless standards
- Wireless regulator environment
- Wireless certification organization
- Basic computer literacy, including the use of general office software such as Microsoft Word and Microsoft Excel
- Basic Windows navigation and keyboard literacy skills
- Basic Internet usage skills
- Basic e-mail usage skills

To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:

- Interconnecting Cisco Networking Devices Part 1 (ICND1)
- Interconnecting Cisco Networking Devices Part2 (ICND2)
- Implementing Cisco Unified Wireless Networking Essentials (IUWNE)

Testing and Certification

Recommended as preparation for:

- 642-746 - Implementing Cisco Unified Wireless Mobility Services (Last day to test 11th May 2012)
 - 642-747 - Implementing Cisco Unified Wireless Mobility Services
- IUWMS is one of four courses required for **Cisco Certified Network Professional Wireless (CCNP Wireless)** Certification
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Follow-on-Courses:

- Implementing Advanced Cisco Unified Wireless Security (IAUWS)
- Implementing Cisco Unified Wireless Voice Networks (IUWVN)
- Conducting Cisco Unified Wireless Site Survey (CUWSS)

All the above courses are part of the **Cisco Certified Network Professional Wireless (CCNP Wireless)** Certification

Content:

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

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

Design the Wireless Network for Location

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

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

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

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 +254 713 027 191

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