

Implementing Cisco Unified Wireless Mobility Services

Duration: 5 Days Course Code: IUWMS

Overview:

The Implementing Cisco Unified Wireless Mobility Services (IUWMS) course gives learners a firm understanding of how to integrate mobility services into the network, tune and troubleshoot the WLAN, and implement indoor enterprise mesh networks. The course reinforces the instruction by providing learners with hand-on labs to ensure that learners thoroughly understand how to implement mobility services in the wireless network

Target Audience:

This course is designed for: Individuals that are involved in the technical handling of Cisco platforms and solutions, namely installing, configuring, operating, and troubleshooting

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
- Design the WLAN infrastructure for mobility
- Implement and manage advanced services with Cisco WCS and Cisco WCS Navigator
- Design the wireless network for context-aware services
- Implement Cisco Context-Aware Services
- Implement and manage outdoor wireless networks

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 Part 2 (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

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 the WLAN Infrastructure for Mobility

- Understanding and Using Recommended Design Practices
- Understanding Implications of Layer 2 and Layer 3 Roaming
- Designing for High Availability
- Understanding Single-SSID Designs with Mobility
- Configuring Cisco CleanAir

Implement and Manage Advanced Services with Cisco WCS and WCS Navigator

- Installing Cisco WCS and WCS Navigator
- Configuring Cisco WCS Controller and AP Templates
- Configuring Cisco WCS for Autoprovisioning and Image Download
- Implementing Cisco WCS Partitioning
- Scheduling Wireless Access Using Cisco WCS
- Configuring Reports
- Configuring Administrative Tasks
- Monitoring and Converting Autonomous APs Using Cisco WCS
- Understanding the Roles, Features, and Functions of Cisco WCS Navigator

Design the Wireless Network for Location

- Describing Positioning Techniques
- Identifying Deployment Requirements
- Understanding Applications of RFID, Chokepoint, and TDoA

Implement Cisco Context-Aware Services

- Describing Cisco Mobility Services Architecture and Appliances
- Configuring the Cisco 3300 Series MSE
- Integrating and Managing the Cisco MSE with the Cisco WCS
- Configuring and Tuning the Cisco MSE for Cisco Context-Aware Services
- Tracking Mobile Devices
- Configuring, Generating, and Interpreting Location and Event Notifications
- Integrating Third-Party Applications
- Describing Cisco MSE Maintenance
- Troubleshooting Cisco Context-Aware Services

Implement and Manage Indoor and Outdoor Mesh Networks

- Describing Wireless Mesh Networks
- Describing Mesh Formation
- Implementing an Enterprise Mesh
- Configuring Enterprise Mesh Advanced Features
- Configuring Cisco WCS for Mesh
- Troubleshooting Mesh Networks
- Describing Wireless Bridging
- Monitoring and Troubleshooting Clients

Further Information:

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

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