Cisco Wireless Mesh Networks

Duration: 3 Days   Course Code: CWMN   Version: 7.1

Overview:

This training session is instructor-led technical course that introduces the new Cisco Aironet 1500 Series Lightweight Outdoor Mesh Access Point. The course provides a technology overview, design and deployment options, and product configuration with hands on labs.

Target Audience:

This course will be suitable for the following people; Employee Customer Channel Partners/Resellers

Objectives:

- At the end of the course delegates will be able to;-

- Describe the components, features, and functionality of the Cisco Aironet wireless mesh networking solution.

- Explain the various deployment options for the Cisco Aironet 1500 Series Lightweight Outdoor Mesh Access Point.

- Describe the relevant technical aspects of the Cisco wireless mesh networking solution that effect performance, throughput and distances.

- Describe physical and technical characteristics of the Cisco Aironet 1500 Series

- Describe factors to be considered during outdoor WLAN deployment.

- Explain RF theory as it relates to Wireless LANs.

- Understand Wireless Network design issues:

- Coverage areas Antenna theory and operation

- Site Survey procedures

- Describe the steps performed during the installation and deployment of outdoor Wireless LANs.

Prerequisites:

To realize the full benefit from this course, the student should have attended Cisco Airespace Installation, Administration and Maintenance (CAIAM) 3.0 or the newer version of the course: Cisco Unified Wireless Networking (CUWN)

Content:

Configuring a Wireless Controller

- LAN Controller Overview: Configuration Basics
- LAN Controller Security and Mobility

Cisco Aironet 1500 Series Mesh

- Mesh Network Overview: Components, Protocols, and Functionality
- Mesh Network Features and Applications
- WCS Map and Mesh Enhancements
- Administration and Maintenance

Wireless Mesh Requirements

- RF Theory
- Access Point Roles
- 802.11h Standard
- Selecting Antennas

Installing and Configuring Mesh Access Points

- Installing Access Points
- Access Point and Bridging Group Configurations
- Configuring the Controller using the GUI to add the AP to the Mesh Network
- Connectivity Verification

Verifying and Troubleshooting

- Validating WLAN Configurations
- CLI Support Tools
- Identify Other Considerations for Troubleshooting
- GUI Support Tools

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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