

Cisco Wireless Mesh Networking

Duration: 3 Days **Course Code: CWMN**

Overview:

The Cisco Wireless Mesh Networking (CWMN) course introduces the Cisco 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 is designed for: System Engineers Channel Partners/Resellers

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
- Explore how to create a mesh network
- Review basic controller configuration and wireless LAN configuration
- Demonstrate how to install access points
- Examine the requirements necessary for designing a wireless mesh network
- Explore various verification and troubleshooting tools and commands.

Prerequisites:

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

- Cisco Unified Wireless Networks (CUWN)
- Cisco Wireless LAN Fundamentals (CWLF)
- Cisco Wireless LAN Advanced Topics (CWLAT)

Content:

Describing the Cisco Wireless Mesh Solution

- Mesh Network Overview: Components, Protocols, and Functionality
- Mesh Network Features and Applications

Configuring a WLAN Controller

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

Installation, Configuration, and Maintenance of Mesh Networks

- Installing Cisco Aironet Access Points
- Access Point and Bridging Group Configurations
- Configuring the Controller, Using the GUI to Add the Access Point to the Mesh Network
- Connectivity Verification
- Cisco WCS Map and Mesh Enhancements

Wireless Mesh Design Requirements

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

Verifying and Troubleshooting

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

Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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