WLFNDU - Understanding Cisco Wireless Foundations (WLFNDU)

Duration: *5 Day(s)*

Course Overview

The Understanding Cisco Wireless Foundations (WLFNDU) v1.0 course gives you the knowledge and skills you need to position, plan, implement, operate, and manage a Cisco© wireless LAN (WLAN) network. This course teaches you how to design, install, configure, monitor, and conduct basic troubleshooting tasks on a Cisco WLAN network of any size.

This course does not lead directly to a certification exam, but it does cover foundational knowledge that can help you prepare for professional-level enterprise wireless courses and exams.

Review this course online at https://www.alta3.com/courses/WLFNDU

Objectives

- Design scalable Cisco wireless LAN networks.
- Implement wireless network configurations and security.
- Monitor and operate wireless network infrastructure.
- Conduct basic troubleshooting on WLAN setups.

Who Should Attend

- Network engineer
- Systems engineer
- Wireless engineer
- Technical solutions architect
- Network administrator
- Wireless design engineer
- Network manager

Prerequisites

- General knowledge of networks
- General knowledge of wireless networks
- Routing and switching knowledge

Course Outline

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1. Describing and Implementing Foundational Wireless Theory
2. Describing and Implementing Foundational Wireless Math and Antennas
3. Describing and Implementing Foundational Wireless Operation
4. Describing and Implementing Basic Wireless Security
5. Describing and Implementing 802.1X and Extensible Authentication Protocol (EAP)
6. Implementing Wireless Guest Access and Configuring Wireless Security

7. Describing and Implementing Cisco Wireless Network Architecture
8. Describing and Implementing Cisco Wireless Network
9. Describing and Implementing Cisco Wireless Network Wired Support
10. Configuring Cisco Centralized Wireless Networks
11. Describing and Implementing WLAN Maintenance and Troubleshooting

Lab Outline

12. Explore the Physics of Wi-Fi
13. Explore the Wi-Fi Environment
14. Analyze Wireless Frames
15. Configure Client Access
16. Configure the Wired Infrastructure
17. Configure a Centralized Cisco Wireless LAN Controller (WLC) Deployment
18. Configure a Centralized WLAN Deployment
19. Configure an IPv6 Operation in a Centralized WLAN Deployment
20. Optimize RF Conditions and Performance for Clients
21. Perform Centralized Controller Maintenance
22. Use Troubleshooting Tools