COMPUTER LEARNING CENTRE
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CISCO PARTNER Learning

Training overview

Understanding Cisco Wireless Foundations (WLFNDU)

Description

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

This training does not lead directly to a certification exam, but it does cover foundational knowledge that can help you prepare for professional-level enterprise wireless training and exams, including the Designing Cisco Enterprise Wireless Networks (300-425 ENWLSD) v1.1 and the Implementing Cisco Wireless Networks (300-430 ENWLSI) v1.1 exams. This training also earns you 30 Continuing Education (CE) credits toward recertification.

How you'll benefit

This training will helpyou:

- Learn the skills, technologies, and best practices needed to manage a Cisco WLAN network
- Understand and implement a Cisco wireless network architecture
- Design and implement WLAN maintenance and troubleshooting solutions
- Earn 30 CE credits toward recertification

Who should enroll

- Network Engineers
- Systems Engineers
- Wireless Engineers
- Technical Solutions Architects
- Network Administrators
- Wireless Design Engineers
- Network Managers

Technology areas

- EnterpriseNetworking
- Wireless Networking

Objectives

- Describe and implement foundational wireless theory
- Describe and implement basic wireless security and client access
- Describe and implement a Cisco wireless network architecture
- Configure Cisco centralized wireless networks
- Describe and implement WLAN maintenance and troubleshooting

Prerequisites

Thereareno prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

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

These skills can be found in the following Cisco Learning Offering:

- Implementing and Administering Cisco Solutions (CCNA)

Outline

- RFand WLAN Theory
- WLAN Math and Antennas
- Wi-Fi Operations
- Basic WLAN Security
- Advanced WLAN Security
- Configuring WLAN Security
- Cisco Wireless Network Architecture
- Implementing Cisco Wireless Network
- Implementing Cisco Wireless Network Wired Support
- Deploying Cisco Centralized Wireless Networks
- Configuring Cisco Centralized Wireless Networks
- Maintaining and Troubleshooting Cisco Wireless Networks
- Managing and Monitoring Cisco Wireless Networks with Cisco DNA Center

Lab Outline

- Practice RF Math
- Antenna Calculations
- Explore the Wi-Fi Environment
- Analyze Wireless Frames
- Configure Client Access Deploy
- Cisco 9800 WLC

- Configure Cisco 9800 WLC
- Perform Cisco 9800 WLC Maintenance