

Understanding Cisco Wireless Foundations (WLFNDU)

How you'll benefit

This training will help you:

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

Who should enroll

Network engineer

Systems engineer

Wireless engineer

Technical solutions architect

Network administrator

Wireless design engineer

Network manager

Technology areas

Enterprise networking

Wireless networking

Training overview

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

We recommend but do not require that you have the following knowledge and skills before taking this training:

General knowledge of networks



General knowledge of wireless networks

Routing and switching knowledge

Lab outline

Practice RF Math

Antenna Calculations

Explore the Wi-Fi Environment

Analyze Wireless Frames

Configure Client Access

Configure the Wired Infrastructure

Configure a Centralized Cisco Wireless LAN Controller (WLC) Deployment

Configure a Centralized WLAN Deployment on Cisco 3504 WLC

Configure a Centralized WLAN Deployment on Cisco 9800 WLC

Configure an IPv6 Operation in a Centralized WLAN Deployment

Optimize RF Conditions and Performance for Clients

Perform Centralized Controller Maintenance

Use Troubleshooting Tools