
WIFUND1 - Implementing Cisco Wireless Network Fundamentals

Overview

Course Code	WIFUND1	Duration	5.0 days
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Implementing Cisco Wireless Network Fundamentals course is designed for individuals who are involved in the technical management of Cisco wireless platforms and solutions, which involves installing, configuring, operating and troubleshooting

Audience

Channel Partners
Customers
Employees

Pre-Requisites

It is recommended, but not required, that students have the following knowledge and skills before attending this course:

Interconnecting Cisco Networking Devices Parts 1 & 2 (ICND1 & ICND2) or
Cisco CCENT certification

Key Topics

Module 1: Wireless Fundamentals
Module 2: Security and Client Access
Module 3: Define the Cisco Wireless Network Architecture
Module 4: Implement Centralized Wireless Access
Module 5: Implement Converged Wireless Access
Module 6: Implement Small and Remote Wireless Access
Module 7: WLAN Maintenance and Troubleshooting
Module 8: WLAN Design
Discovery 1: Practice RF Math
Discovery 2: Calculate EIRP and Choose the Correct Antenna
Discovery 3: Explore the RF
Discovery 4: Analyze Wireless Frames

Discovery 5: Review Centralized Authentication

Discovery 6: Initialize a Centralized WLAN Deployment

Hardware Lab 1: Configure Windows 7 Client Access

Hardware Lab 2: Configuring the Wired Infrastructure

Hardware Lab 3: Configuring the Centralized WLAN Deployment

Hardware Lab 4: Configuring IPv6 Operation in a Centralized WLAN Deployment

Hardware Lab 5: Configuring Security in a Centralized WLAN Deployment

Hardware Lab 6: Configuring Guest Access Using the Anchor WLC

Hardware Lab 7: Deploying a Converged Access WLAN

Objectives

Upon completing this course, you will be able to:

Understand the basic RF principles and characteristics

Understand WLAN security methods and access with differing client devices

Define the Cisco WLAN architecture and the underlying infrastructure used to support it

Implement a Centralized wireless access network using AireOS or IOS-XE wireless LAN controllers

Implement a Converged wireless access network using IOS-XE converged access switches and wireless LAN controllers

Implement small and remote access wireless networks using FlexConnect, Autonomous or Cloud architectures

Perform basic WLAN maintenance and troubleshooting -describe the requirements for a WLAN design