

CI - CWLF

Cisco Wireless LAN Fundamentals



Summary

Duration

4 Days

Vendor

Cisco

Category

Wireless

Introduction

This course examines the fundamentals of Cisco's wireless LAN technology. Topics will include the concepts of autonomous and lightweight access points and controllers, network management solutions and security. After completing this course, learners will be able to discuss configuration, management of both autonomous and lightweight wireless networks.

Prerequisites

- Basic Computer Literacy
- Knowledge of fundamental networking components and terminology
- Knowledge of the Open Systems Interconnection (OSI) reference model
- Knowledge of basic LAN components and functions

Course Objectives

Upon completing this course, you will be able to meet these objectives:

- Describe detailed modulation and spreading techniques and how it is used with various antennas.
- Describe detailed technical features, functions, and benefits of the Cisco wireless LAN products and how they compare to each other.
- Describe Aironet Desktop Utility and the Cisco Secure Services Client.
- Define the concept of using wireless devices to create a WLAN using the standalone products.
- Define concepts of using wireless devices to create a Layer 2 bridge.
- Configure a controller-based wireless network using a Cisco wireless LAN controller.
- Describe the requirement necessary for deployment and performing a site survey.
- Describe the steps, concepts, and tools available while performing a site survey

Course Outline

- Module 1 Wireless Technology: Describe detailed modulation and spreading techniques and how it is used with various antennas.
- Module 2 Cisco WLAN Products: Describe detailed technical features, functions, and benefits of the Cisco wireless LAN products and how they compare to each other.
- Module 3 Cisco Wireless Clients and Supplicants: Describe Aironet Desktop Utility and the Cisco Secure Services Client.
- Module 4 Standalone Access Point Administration: Define the concept of using wireless devices to create a WLAN using the standalone products.
- Module 5 Wireless Bridges: Define concepts of using wireless devices to create a Layer 2 bridge.
- Module 6 Cisco Unified WLAN Administration: Configure a controller-based wireless network using a Cisco wireless LAN controller.
- Module 7 Site Survey Preparation and Techniques: Describe the requirement necessary for deployment and performing a site survey.
- Module 8 Tools and Utilities: Describe the steps, concepts, and tools available while performing a site survey.

Associated Certifications & Exams

CWLF is part of the Cisco Advanced Wireless LAN for Field Engineers Exam (642-587) or Cisco Advanced Wireless LAN for System Engineers Exam (642-586).

On successful completion of this course students will receive a Torque IT attendance certificate.