

Cisco Wireless LAN Fundamentals (CWLF) 2.0

Vendor Course Code: CWLF 2.0

Course Length: 5 days

Overview:

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.

Please note: This course contains an additional day of training to accommodate the large amount of content covered in this course and to allow additional time to perform hands-on exercises such as performing site surveys.

Skills Gained:

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.

Key Topics:

- 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.

Target Audience:

This course is designed for students who will be implementing Cisco Wireless LAN functionality. It is recommended for anyone who has or will have wireless LAN access.

Prerequisites:

****ALL STUDENTS MUST SUPPLY THEIR OWN LAPTOP WITH WIRELESS CAPABILITY****

- 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