

Introduction to Juniper Networks Wireless LANs

IJWL



Delivery Type: Classroom

Duration: 4 days

Overview

This course is a four-day CLASSROOM instructor led technical training course on the Juniper Networks Wireless LAN Services (WLS) system. The course includes an overview of the full range of hardware and software products and their capabilities and features.

The course describes the WLS system architecture and a project framework for planning a WLS system deployment. It covers the Radio Frequency (RF) planning capabilities of the RingMaster software and basic wireless LAN controller (WLC) configuration through the command-line interface (CLI). The course then moves on to describe system and service configuration using RingMaster. The course also describes a secure, enterprise-grade employee service in detail and introduces other service options (such as a Web portal login). Integration issues with the back-end authentication, authorization, and accounting (AAA), Domain

Name System (DNS), and Dynamic Host Configuration Protocol (DHCP) servers are examined, and the monitoring, management and reporting capabilities of the RingMaster software are also described.

The course uses a combination of lecture as well as practical and group exercises to ensure a high level of hands-on experience with the Juniper Networks WLS system components.

The course is based on the Juniper Networks wireless LAN system (WLS) software release 7.5.

Pre-Requisites

Students should have intermediate-level networking knowledge and an understanding of the Open Systems Interconnection (OSI) model and the TCP/IP protocol suite. Students should also have a good understanding of 802.11 wireless LAN fundamentals and be familiar with AAA concepts and RADIUS. Students should also attend both the Juniper Networks Networking Fundamentals and the Juniper Networks WLAN Fundamentals courses prior to attending this class.

Objectives

After successfully completing this course, you should be able to:

- ✓ Identify the various hardware and software components of the WLS system and describe the system capabilities and architecture.
- ✓ Effectively use the RingMaster management console to plan, deploy, configure, manage, monitor, and report on a WLS system.
- ✓ Describe the requirements for a secure, Enterprise-grade wireless LAN system and configure secure services.
- ✓ Work with domains and clusters to ensure campus-wide seamless roaming on the wireless LAN and provide industry-leading system resilience.

- ✓ Scale the management of the system using the RingMaster console and its policy configuration capabilities.
- ✓ Navigate the CLI and be familiar with some important command line utilities.
- ✓ Describe integration issues with the corporate AAA, DHCP, and DNS environments.

Target Audience

The course is designed to give field and support engineers a high level of technical competence with the Juniper Networks WLS products.