

# Advanced Juniper Networks Wireless LANs

AJWL



**Delivery Type:** Classroom

**Duration:** 4 days

## Overview

This course is a four day advanced training classroom course on the Juniper Networks Wireless LAN Services (WLS) system. The course is designed to build on the skills learned in the Introduction to Juniper Networks Wireless LANs (IJWL) course and take students to the next level of expertise as a Juniper Networks wireless design, implementation, or management engineer.

The course describes best practice guidelines for planning an enterprise-wide Juniper Networks WLS system with its flexible domain architecture. Best practices for advanced security are presented, as are the issues to be considered when deploying voice and mesh services. Centrally managed architectures are also presented. The course also includes a look at some advanced troubleshooting techniques.

The course uses a combination of lecture and practical exercises to ensure a high level of hands-on experience with Juniper Networks WLS hardware and software components, advanced authentication options, and other advanced features.

The course is based on the Juniper Networks WLS system v7.5 release.

## 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 intermediate-level knowledge of the Juniper Networks WLS system. Students should also attend the Introduction to Juniper Networks Wireless LANs (IJWL) course prior to attending this class.

## Objectives

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

- ✓ Describe the design factors that must be taken into consideration when planning an enterprise wireless LAN (WLAN) system.
- ✓ Describe the requirements for WLAN security, for optimum support of voice services and for WLAN mesh solutions.
- ✓ Plan Radio Frequency (RF) coverage for data and voice services in a multi-storey, multi-building environment.

- ✓ Configure secure WLAN services using digital certificate-based authentications and machine authentication.
- ✓ Describe the issues for the remote management of Access Points (APs) and AP Controllers.
- ✓ Troubleshoot all aspects of a deployed WLS system.
- ✓ Configure voice optimized services.
- ✓ Build a WLAN mesh network in single-hop and multi-hop scenarios.
- ✓ Deploy and manage remote APs using the AP Controller auto-configuration capability in architectures with and without Network Address Translation (NAT).

### **Target Audience**

This course benefits individuals responsible for planning, configuring, managing, and monitoring devices on a Juniper Networks wireless network.