



## Fortinet Wireless Controller - FortiWLC

In this three-day class, you will learn how to design, implement, and maintain a basic, single channel FortiWLC-based wireless network.

The practical labs will give you hands on experience in configuration, management, and monitoring of the wireless network.

### Product Version

FortiWLC-SD 8.2

### Formats

- Instructor-led classroom.
- Instructor-led online\*.
- Self-paced online.

\* Please contact your Fortinet Sales Representative.

### Agenda

1. Introduction to the FortiWLC and single channel networking concepts.
2. Radio frequency planning.
3. Plan and design a basic single channel.

4. Installing and configuring the FortiWLC.
5. Integrating FortiWLC with the wired network.
6. Selecting FortiAPs and planning their locations.
7. Installing and configuring FortiAPs.
8. Building and broadcasting the wireless network.
9. Monitoring the wireless network.
10. Gathering information for troubleshooting connectivity and performance issues.
11. Resolving connectivity and performance problems.
12. Managing and maintaining the wireless network.

### Objectives

After completing these courses, you will be able to:

- Plan a simple, single channel wireless network for a low-to-medium density client environment.
- Deploy a single controller to an access point and integrate with the underlying wired network.
- Publish encrypted and guest wireless networks for use by your users.
- Monitor and assess your wireless networks health and capacity.
- Perform basic troubleshooting of client connectivity.
- Perform day-to-day management of your wireless network.

## Who Should Attend

Anyone who is responsible for the day-to-day management of a single channel FortiWLC-based wireless network.

## Prerequisites

A good understanding of wired and wireless technology and concepts is required to benefit from this course, such as:

- TCP/IP network experience.
- Knowledge of OSI layers.
- Experience with multichannel-wireless networks.

## System Requirements

If you take the online format of this class, you must have a computer with:

- a high speed Internet connection.
- an up-to-date web browser.
- a PDF viewer.
- speakers / headphones.
- HTML 5 support or an up-to-date Java runtime environment (JRE) with Java plugin enabled in your web browser.

*A wired Ethernet connection (not WiFi) is recommended.* The firewall or FortiClient must allow connections with the online labs (TCP ports 7022 and 7122).

## Certification

This course prepares you for the FortiWLC 8.2 specialist exam.

This specialization qualifies as one of the four required specializations to achieve the **NSE 6 Network Security Specialist** certification.