



## Fortinet Wireless Controller - FortiWLC

In this three-day class, you will learn how to design, implement, and maintain a basic 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 System Director 8.5

### Formats

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

### Agenda

1. Introduction to the FortiWLC, single channel and multiple channel wireless networking concepts.
2. Radio frequency planning.
3. Plan and design a basic wireless network using single and multiple channels architectures.
4. Installing and configuring the FortiWLC.
5. Integrating FortiWLC with the wired network.
6. FortiAP integration.
7. Building and broadcasting the wireless networks.

8. Monitoring the wireless network.
9. Gathering information for troubleshooting connectivity and performance issues.
10. 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.
- Plan a simple, multiple channel wireless network for a low-to-medium density client environment.
- Deploy a 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 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.
- Experience planning a wireless network with a simulation tool.

## System Requirements

If you take the online format of this class, you must use a computer that has the following:

- A high-speed Internet connection
- An up-to-date web browser
- A PDF viewer
- Speakers or headphones
- One of the following:
  - HTML5 support
  - An up-to-date Java Runtime Environment (JRE) with Java plugin enabled in your web browser

You should use a wired Ethernet connection, *not* a WiFi connection. Firewalls, including Windows Firewall or FortiClient, must allow connections to the online labs.

## Certification

This course prepares you for the FortiWLC 8.5 specialist exam.

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