



Fortinet Wireless Controller - FortiWLC

In this series of classes, you will learn how to design, implement, and maintain a channel-layered FortiWLC based wireless network.

- Administration (2-day class, 1/2 day lab)
- Implementation (3-day class, 1/2 day lab)
- Solution Design (optional 2-day class)

The practical labs provide hands-on experience in configuration, management, and monitoring of the wireless network.

It is recommended that you take the classes in the order listed above.

Product Version

FortiWLC 7.x

Formats

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

* Private class only. Please contact your Fortinet Sales Representative.

Agenda

- 1 Introduction and radio frequency concepts
- 2 Monitoring and obtaining network statistics
- 3 Troubleshooting client connectivity
- 4 Managing and maintaining the network
- 5 Monitoring and managing rogue devices
- 6 Installing and integrating controllers into the network
- 7 Implementing redundancy
- 8 Installing and basic installation of FortiWLM.
- 9 Deploying access points
- 10 Implementing channel layers and stripes
- 11 Publishing secure data, voice and guest wireless networks
- 12 Introduction to and basic installation of FortiConnect
- 13 Managing Apple Bonjour and multicast DNS traffic
- 14 Performing a predictive coverage design of a wireless network
- 15 Extending the coverage design to account for capacity
- 16 Selecting the correct hardware and software components to support the design

Objectives

After completing the series of classes, you will be able to:

- Size and plan a multiple channel layer wireless network for a medium-density client environment
- Deploy multiple controllers and integrate with the underlying wired network
- Understand and deploy controller redundancy
- Understand how to use and deploy different AP models
- 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 design, implementation, and 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.

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 or headphones

HTML 5 support Java runtime environment (JRE) with Java plugin enabled in your web browser

- A wired Ethernet connection is recommended.
Firewalls including Windows Firewall or FortiClient must allow connections with the online labs (TCP ports 7022 & 7122).

Certification

The Administration and Implementation courses prepare you for the FortiWLC 7.x specialist exam, and are part of the preparation for the NSE 6 certification exam.

Attending the design course is not a requirement, but it is highly recommended for those wishing to become experts.