

# Secure Wireless LAN

***In this course, you will learn how to deploy, configure, and troubleshoot secure wireless LAN using an integrated wireless solution. Using interactive labs, you will enforce your knowledge of deploying a secure wireless LAN centrally managed from the FortiGate wireless controller.***

## Product Version

- FortiOS 6.4.1
- FortiAP 6.4.2
- FortiAP Cloud 20.3
- FortiPlanner 2.6.4
- FortiPresence 20.4

## Course Duration

- Lecture time (estimated): 5 hours
- Lab time (estimated): 3 hours
- Total course duration (estimated): 8 hours
  - 2 full days or 2 half days

## Who Should Attend

This course is intended for networking and security professionals involved in the management, configuration, administration, and monitoring of the Fortinet integrated and/or cloud wireless solution.

## Certification

This course is intended to help you prepare for the *Fortinet NSE 6 - Secure Wireless LAN 6.4* certification exam. This exam is part of the Fortinet Certified Professional - Network Security certification track.

## Prerequisites

- Understanding of basic wireless networks
  - Review the supplementary *Wireless Network Fundamentals* lesson
- Understanding of the topics covered in the following courses:
  - *FCP - FortiGate Security*
  - *FCP - FortiGate Infrastructure*
- Understanding of the topics covered in the *FCP - FortiAuthenticator* course is also recommended.

## Agenda

1. Introduction to FortiOS Integrated Wireless
2. Wireless Controller
3. Access Point Profile
4. Advanced Configuration
5. Troubleshooting

## Objectives

After completing this course, you should be able to:

- Explore FortiPresence, FortiPlanner, and FortiAP Cloud
- Deploy a wireless network using the FortiGate integrated wireless controller
- Learn about different SSIDs traffic modes
- Deploy multiple wireless SSIDs
- Offer secure wireless access with 802.1x authentication
- Deploy wireless networks with VLANs
- Thwart hotspot hackers and rogue APs
- Understand fast roaming and wireless client load balancing
- Troubleshoot signal loss, slow connection, and authentication issues

## Training Delivery Options and SKUs

### Instructor-Led Training

Includes standard NSE training content delivered in person onsite, or live online using a virtual classroom application. Training is delivered within [public classes](#) or as a private class. Private requests are scoped, quoted, developed, and delivered by Fortinet Training (minimum quantities apply).

Use the following ILT Training SKU to purchase scheduled public classes of this course through [Fortinet Resellers](#) or [Authorized Training Partners](#):

FT-FWF

### Self-Paced Training

Includes online training videos and resources through the [Fortinet Training Institute](#) library, free of charge.

### (ISC)<sup>2</sup>

- CPE training hours: 5
- CPE lab hours: 3
- CISSP domains: Communication and Network Security

## Program Policies and FAQs

For questions about courses, certification, or training products, refer to [Program Policy Guidelines](#) or [Frequently Asked Questions](#).

