



Integrated and Cloud Wireless

In this 1-day course, you will learn how to deploy, configure, and troubleshoot secure wireless LAN using Integrated wireless solution. This includes FortiGate, FortiAP, FortiWiFi, FortiAPCloud, FortiPlanner and FortiPresence. The course explores RF concepts and key standards for wireless LAN, devices configuration, security settings, and troubleshooting.

Using interactive labs, you will enforce your knowledge deploying a secure wireless LAN centrally managed from the FortiGate wireless controller.

Product Version

FortiOS 6.2

Formats

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

Agenda

1. Wireless Network Planning
2. Wireless Controller
3. Access Point Profile

4. Advanced Configuration
5. Troubleshooting

Objectives

After completing this course, participants should be able to:

- Explain radio frequency behavior in wireless network
- Identify key WFA, IEEE, and IETE standards
- Introduction FortiPresence, Planner, and FortiAPCloud
- Deploying wireless network using FortiGate integrated wireless controller
- Learn about different SSIDs traffic modes
- Deploying 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

Who Should Attend

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

Prerequisites

- Understanding of basic wireless networks
- Understanding of the topics covered in the following courses:
 - *NSE 4 FortiGate Security*
 - *NSE 4 FortiGate Infrastructure*
- Understanding of the topics covered in the *NSE 6 FortiAuthenticator*. NSE 6 FortiAuthenticator course is also recommended.

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 Wi-Fi connection. Firewalls, including Windows Firewall or FortiClient, must allow connections to the online labs.

Certification

This course is intended to help participants prepare for the NSE 6 Integrated and Cloud Wireless certification exam.