

NSE 6 FortiWLC Course

Course Duration: 24 Hrs.

Course Code: NSE6-FWLC-7.x

Course Overview

The **NSE 6 FortiWLC (Wireless LAN Controller)** course is designed for network and security professionals responsible for deploying, managing, and securing enterprise wireless networks using Fortinet solutions. This course focuses on configuring FortiWLC devices, managing wireless access points, optimizing Wi-Fi performance, and integrating FortiWLC with the Fortinet Security Fabric. Participants will gain hands-on experience in wireless network setup, monitoring, troubleshooting, and security, while preparing for the NSE 6 FortiWLC certification.

What You'll Learn?

By completing this course, you will be able to:

- Deploy and configure FortiWLC devices and wireless networks
- Manage FortiAPs and wireless client connections
- Implement Wi-Fi security best practices
- Optimize wireless performance and coverage
- Monitor and troubleshoot wireless network issues
- Integrate FortiWLC with FortiGate and Security Fabric
- Apply operational best practices for enterprise wireless environments

Target Audience

This course is ideal for:

- Network and Wireless Administrators

- IT Infrastructure Engineers
- Security Engineers managing Wi-Fi networks
- SOC/NOC Teams responsible for wireless operations
- Professionals preparing for the NSE 6 FortiWLC certification

Pre-Requisites

Participants should have:

- Basic understanding of networking fundamentals (TCP/IP, LAN/WAN)
- Familiarity with wireless networking concepts (802.11 standards, Wi-Fi security)
- Experience with Fortinet products or NSE 4-level knowledge is recommended

Course Content

Module 1: FortiWLC Architecture and Deployment

- FortiWLC system components and deployment models
- Initial configuration and system setup
- Integration with FortiGate and Security Fabric

Module 2: Access Point and Client Management

- FortiAP registration and configuration
- Wireless client onboarding and policies
- SSID management and guest access

Module 3: Wireless Security and Access Control

- WPA3/WPA2 implementation and encryption

- Role-based access control and user authentication
- Securing enterprise Wi-Fi networks

Module 4: Monitoring, Performance, and Analytics

- Wireless network monitoring and reporting
- Performance optimization and RF management
- Event logging and alerting

Module 5: Troubleshooting and Best Practices

- Common FortiWLC issues and resolutions
- Connectivity and coverage troubleshooting
- Operational best practices for enterprise wireless networks

