



Enterprise Firewall

In this three-day course, students will learn how to implement, troubleshoot, and centrally manage an enterprise security infrastructure composed of multiple FortiGate devices.

Product Version

FortiGate 6.0

Formats

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

Agenda

1. Security Fabric
2. FortiOS Architecture
3. System Troubleshooting
4. Traffic and Session Monitoring
5. Routing
6. FortiGuard
7. Central Management
8. OSPF
9. Web Filtering
10. Intrusion Prevention System (IPS)
11. Border Gateway Protocol (BGP)

12. IPsec
13. Autodiscovery VPN (ADVPN)

Objectives

After completing this course, participants will be able to:

- Integrate FortiManager, FortiAnalyzer, and multiple FortiGate devices using the Fortinet Security Fabric
- Centralize the management and monitoring of network security events
- Optimize FortiGate resources
- Diagnose and monitor user traffic using FortiGate debug tools
- Troubleshoot issues with conserve mode, high CPU, firewall policies, session helpers, IPsec, FortiGuard, content inspection, routing, and HA
- Harden the enterprise services
- Simultaneously deploy IPsec tunnels to multiple sites using the FortiManager VPN console
- Configure ADVPN to enable on-demand VPN tunnels between sites
- Combine OSPF and BGP to route the enterprise traffic

Who Should Attend

Networking and security professionals involved in the design, administration, and support of an enterprise security infrastructure using FortiGate devices.

This course assumes advanced knowledge of networking, and extensive hands-on experience working with FortiGate, FortiManager, and FortiAnalyzer.

Prerequisites

Participants must have an understanding of the topics covered in the following courses, or have equivalent experience:

- NSE 4 FortiGate Security
- NSE 4 FortiGate Infrastructure

It is also recommended that participants have an understanding of the topics covered in the following courses, or have equivalent experience:

- NSE 5 FortiManager
- NSE 5 FortiAnalyzer

System Requirements

If participants take an online format of this class, they must have 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:
 - HTML 5 support
 - An up-to-date Java runtime environment (JRE) with Java plugin enabled in the web browser

Participants should use a wired ethernet connection *not* a WiFi connection. The firewall or FortiClient must allow connections to the online labs.

Certification

This course is intended to help participants prepare for the NSE 7 Enterprise Firewall certification exam.