



FortiGate II

In this 3-day class, you will learn advanced FortiGate networking and security. Topics include features commonly in complex or larger enterprise/MSSP networks, such as advanced routing, transparent mode, redundant infrastructure, advanced IPsec VPN, IPS, SSO, data leak prevention, diagnostics, and fine-tuning performance.

Product Version

FortiGate 5.2

Formats

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

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

Agenda

- 1 Routing
- 2 Virtual Networking
- 3 Transparent Mode
- 4 High Availability
- 5 Advanced IPsec VPN
- 6 IPS
- 7 FSSO
- 8 Certificate Operations
- 9 DLP

- 10 Diagnostics
- 11 Hardware Acceleration
- 12 IPv6

Objectives

After completing these modules, you will be able to:

- Deploy FortiGate devices as an HA cluster for fault-tolerance & high performance
- Inspect traffic transparently, forwarding as a Layer 2 device
- Analyze a FortiGate's route table
- Route packets using policy-based and static routes for multi-path and load-balance deployments
- Connect virtual domains (VDOMs) without packets leaving FortiGate
- Implement a meshed / partially redundant VPN
- Diagnose failed IKE exchanges
- Fight hacking & denial of service (DoS)
- Diagnose IPS engine performance issues
- Offer Fortinet Single Sign On (FSSO) access to network services, integrated with Microsoft Active Directory
- Inspect SSL/TLS-secured traffic to prevent encryption used to bypass security policies
- Understand encryption functions and certificates
- Defend against data leaks by identifying files with sensitive data, and blocking them from leaving your private network
- Diagnose and correct common problems
- Optimize performance by configuring to leverage ASIC acceleration chips, such as CP or NPs, instead of only the CPU resources
- Implement IPv6 and hybrid IPv4-IPv6 networks



Who Should Attend

Networking and security professionals involved in the design, implementation, and administration of a security infrastructure using FortiGate appliances.

This course assumes knowledge of basic yet FortiGate-specific fundamentals. As a result, if you know about firewalls, but are new to Fortinet, **we do not recommend that you skip FortiGate I.**

Prerequisites

- Knowledge of OSI layers
- Knowledge of firewalling concepts in an IPv4 network
- **Thorough understanding of all topics presented in the prerequisite FortiGate I course**

System Requirements

If you take an online format of this class, you must have a computer with:

- High-speed Internet connection
- Up-to-date web browser
- PDF viewer
- Speakers / headphones
- Either:
 - HTML 5 support **or**
 - Up-to-date Java runtime environment (JRE) with Java plugin enabled in your web browser

Wired Ethernet connection (**not Wi-Fi**) recommended.
Firewalls including Windows Firewall or FortiClient must allow connections with the online labs.

Certification

This is part of the courses that prepare you for the NSE 4 certification exam.