



FortiGate II

In this three-day class, you will learn how to use advanced FortiGate networking and security.

Topics include features commonly applied in complex or larger enterprise or MSSP networks, such as advanced routing, transparent mode, redundant infrastructure, advanced IPsec VPN, IPS, SSO, data leak prevention, and diagnostics.

Product Version

FortiGate 5.4.1

Formats

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

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

Agenda

- 1 Routing
- 2 Virtual Domains
- 3 Transparent Mode and Layer 2 Switching
- 4 High Availability
- 5 Advanced IPsec VPN
- 6 Intrusion Prevention and Denial of Service

- 7 Fortinet Single Sign-On (FSSO)
- 8 Certificate Operations
- 9 Data Leak Prevention (DLP)
- 10 Diagnostics
- 11 Hardware Acceleration
- 12 IPv6

Objectives

After completing this course, you will be able to:

- Deploy FortiGate devices as an HA cluster for fault-tolerance and 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 the FortiGate.
- Implement a meshed / partially redundant VPN.
- Diagnose failed IKE exchanges.
- Fight hacking and denial of service (DoS).
- 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 block them from leaving your private network.
- Diagnose and correct common problems.
- Optimize performance by leveraging the 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 FortiGate fundamentals. We strongly recommend participants complete the FortiGate I course before starting this course.

Prerequisites

- Knowledge of OSI layers
- Knowledge of firewalling concepts in an IPv4 network concepts
- A thorough knowledge of the fundamentals of FortiGate, as presented in the FortiGate I course.

System Requirements

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

- a high-speed Internet connection
- an up-to-date web browser
- a PDF viewer
- speakers / headphones
- HTML 5 support **or** an up-to-date Java runtime environment (JRE) with Java plugin enabled in your web browser
- A wired Ethernet connection (not WiFi) is recommended. The 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.