



MFE-IT

Reference: SM/EN/F4

Fortinet NSE4 Training Course

Master FortiGate to Secure Your Network Infrastructure with
FortiOS

Duration: 5 Days | Hours: 35 h

Remote · Sessions guaranteed from 1 registrant · 60% hands-on practice

DESCRIPTION

FortiGate is a global benchmark in next-generation firewalls and unified security. Used across enterprises, MSPs and government agencies worldwide, it integrates firewall, VPN, IPS, antivirus, web filtering and SD-WAN capabilities into a single appliance — and the NSE4 certification validates the skills required to operate it confidently in production.

This training course will teach you how to install, configure and manage FortiOS to effectively protect your network environments. Designed for security and infrastructure professionals, it combines theory, practical case studies and lab exercises — covering the full security chain from policy design to UTM inspection, VPNs and FortiAnalyzer monitoring.

LEARNING OBJECTIVES

By the end of this training course, participants will be able to:

- Install and configure a FortiGate firewall under FortiOS
- Implement security policies, NAT, authentication and inspection
- Manage routing, IPsec/SSL VPN, VLANs and virtual interfaces
- Analyse logs, alerts, reports and events
- Detect, block and respond to threats with UTM (filtering, antivirus, sandboxing)

PREREQUISITES

- Good knowledge of TCP/IP, VPN, routing and firewall concepts
- Experience in system or infrastructure administration desirable
- Basic knowledge of IT security

Because each participant is unique, a personalised interview is systematically organised in advance with our expert to design a training programme perfectly aligned with their objectives, level and professional challenges.

TARGET AUDIENCE

Network administrators, security engineers, consultants and integration service providers operating Fortinet appliances.

DETAILED PROGRAMME

The training alternates between theoretical input and hands-on practice (approximately 60% of the time). Modules are built around practical exercises based on real-world business use cases.

Module 1 – Introduction to FortiOS and FortiGate

- Roles and architecture of FortiGate appliances
- Management interface and FortiOS overview
- Configuration lifecycle and licensing

Module 2 – Basic Configuration

- Interfaces, VLANs and zones
- Static routing, DNS and DHCP
- Remote access and admin profiles

Module 3 – Security Policies and Inspection

- Firewall policy design and policy ordering
- NAT (Source/Destination/Central) and Virtual IPs
- Traffic inspection, SSL/SSH inspection and certificates

Module 4 – Authentication and VPN

- Captive portals and user authentication
- SSL VPN and IPsec VPN configuration
- LDAP and RADIUS integration for SSO

Module 5 – Advanced Security and UTM

- Antivirus, IPS and antispam profiles
- Web filtering and application control
- Sandboxing and protection against persistent threats (APT)

Module 6 – Monitoring, Logs and Optimisation

- Logs and alerts in FortiOS
- FortiAnalyzer for centralised reporting
- High availability and audit scenarios

TEACHING METHODS

Format and Delivery

The training is delivered remotely via an interactive virtual classroom. It can also be delivered on-site, with content customised to match the needs of your professional project. The theory/practice split is approximately 40%/60%.

MFE-IT Ultra-Personalised Format

Each session accommodates between 1 and 3 participants, ensuring highly individualised support. A preliminary interview allows us to tailor the content to each participant's profile. Inter-company sessions are guaranteed from just 1 registrant (except in cases of force majeure).

Skills Assessment

Throughout the training, the trainer assesses participant progress through multiple-choice questions, role-playing exercises and hands-on work. At the end, a certificate of achievement is issued to each participant.

Post-Training Support

For one month following the training, each participant can contact MFE-IT trainers with questions about implementing acquired knowledge. A response is provided by email or telephone within 48 working hours.

Accessibility

MFE-IT is committed to welcoming people with disabilities. Contact: contact@mfe-it.com.

PRACTICAL INFORMATION

Trainer Resources

- Structured demonstrations aligned with the detailed programme
- Exercise briefs and solutions throughout the training
- A ready-to-use technical environment for practical workshops
- Trainer validation of acquired knowledge at the end of each workshop
- Digital reference documents

Certification and Validation

At the end of the training, a certificate is sent by email specifying the objectives, nature, duration and assessment results. A completion certificate can also be provided on request.

Benefits for Participants

- Train from your workplace or home, with no travel required
- Benefit from an expert trainer-consultant on the subject
- Enjoy an ultra-personalised format (1 to 3 participants)
- Continue training even in the event of unforeseen circumstances

Benefits for the Organisation

- Optimise the training budget by reducing travel and accommodation costs
- Offer quality training to all employees, regardless of location
- Reduce absence time linked to travel
- Support team upskilling in all contexts