



Fortigate Firewall Training

Technical Training

Duration: 2 days/ Participants: max 6

[Sign up for the training](#)

Training Details

Advanced technical training for IT engineers and security teams, which guides participants step-by-step through the design, configuration, and maintenance of FortiGate NGFWs in production environments.

The program covers firewall architecture and operation, networking and routing, security policies, NAT, UTM, VPN, and SD-WAN functions. Emphasis is placed on practical troubleshooting (logs, debugging, packet capture), environment management (FortiManager, FortiAnalyzer), and integration with AD, SIEM, and automation tools (API, Terraform).

The result: participants gain the skills to independently implement and maintain scalable, secure NGFW solutions, resulting in fewer outages, faster incident resolution, and better utilization of the security infrastructure.

Training Outline

Module 1: Stateless, Stateful, NGFW

- Traffic processing
- Portfolio
- Licensing
- Management (Fortigate / FortiManager)
- Architecture (HA/Clustering/VDOM's/Proxy vs flow mode / policy-based vs application-based)
- Updates

Module 2: Networking basics

- Interfaces, Subinterfaces, VLANs, DHCP, DNS
- Security Zones
- Inter & Intra zone traffic, data traffic, local traffic
- Management basics (logging, traffic to the box, aaa, ntp, backups)

Module 3: Routing & redundancy

- Transparent modes (L2), router/NAT (L3) mode
- Static routing
- Dynamic routing
- PBR, ECMP

Module 4: Traffic limitations

- Objects, object groups, dynamic addressing
- Rules and policies
- NAT, PAT Concepts, SNAT, Central NAT

Module 5: UTM Functions

- Security Rules, Top-Down Logic
- URL & URL categories – filtering
- IPS, Anti-DDoS
- AV, Anti-malware
- SSL decryption

Module 6: VPN

- IPSec Site2Site
- SSL VPN client z FortiClient
- Introduction to SD-WAN (SDWAN + ADVPN)

Module 7: Troubleshooting

- Logs
- Debug
- Packet capture, packet sniffer

Module 8: Security Fabric

- FortiManager overview
- FortiAnalyzer overview
- Security rating

Module 9: Integrations

- AD
- SIEM
- API, Terraform, IaC