

Fortinet NSE 7 - Enterprise Firewall

This intermediate Fortinet NSE 7 Enterprise Firewall training prepares learners to integrate, administer, troubleshoot, and manage an enterprise firewall solution that relies on FortiOS, FortiManager, and FortiAnalyzer.

[CBT Nuggets course material](#) →

WEEK 1

Building a Fortinet Enterprise Firewall Lab

152 min.

Intro to Building a Fortinet Enterprise Firewall Lab	1
Lab Overview	10
Deploying FortiManager VM	9
Deploying FortiAnalyzer VM	6
Deploying the FortiAuthenticator VM	4
Deploying FW-10	10
Initial Bootstrapping of FW-20	7
Configuring FW-20 for User Traffic	10

Configuring the Fortinet Security Fabric

Overview	1
Intro to Fortinet's Security Fabric	1
Security Fabric Overview	6
Configure Security Fabric Root FGT	8
Join an Existing Security Fabric	9
Monitor FortiTelemetry	3
Topology Views	7
Security Rating	9
Synchronizing Objects Across the Fabric	6
Using SAML with Security Fabric	10

Monitor & Troubleshoot Using FortiGate

Overview	1
Intro to Monitor and Troubleshoot Using FortiGate	1
Monitor and Troubleshooting Overview	4
Using Dashboards and Widgets	14
Using Logs	13

WEEK 2

157 min.

Using Packet Capture	13
Using Debug	11
Troubleshoot Partial Web Access	4
Troubleshoot No Network Access	4
Troubleshoot No Internet Access	4
Troubleshoot Internet Access #2	9

Configuring Static and SD-WAN FortiGate Routing

Overview	1
Intro to Static and SD-WAN FortiGate Routing	1
IP Routing Overview	9
Topology Review	4
Adding a Floating Static Route	12
Using a Link Monitor	8
SD-WAN Overview & Design	3
Configure SD-WAN Zone and Members	5
Configure Routing for SD-WAN	5
Performance SLAs for Path Checking	9
SD-WAN Rules	8

Using Dynamic Routing FortiGate

Overview	1
Intro to Dynamic Routing with FortiGate	1
Overview of Dynamic Routing	7
Using FortiManager	7
RIP Overview	5
RIP Configuration	7
Permitting User Traffic	9

OSPF Overview	8
---------------	---

WEEK 3

159 min.

OSPF Configuration	9
BGP Overview	5
BGP Configuration	8

Troubleshooting Fortinet Web Filtering

Overview	1
Intro to Troubleshooting Fortinet Web Filtering	1
Web Filtering Overview	10
Using Web Filtering Security Profiles	8
Configure SSL Outbound Inspection	5
Setting Up a Trusted CA	5
Deploy Certificates on the FGT	6
Using the Correct Certificate in SSL Inspection	5
Troubleshooting Web Filtering	15

Troubleshooting Fortinet IPS & Anti-Virus

Overview	1
Intro to Troubleshooting IPS & Anti-Virus	1
IPS and Anti-Virus Overview	3
Verify Initial Network	7
Implement IPS on FortiGate	8
IPS with Monitor Only	5
Implement Anti-Virus on FortiGate	5
Testing and Troubleshooting Anti-Virus	9
Tools for Monitoring	7

Troubleshooting Fortinet IPsec VPNs

Overview	1
Intro to Troubleshooting Fortinet IPsec VPNs	1
IPsec VPN Overview	9
Site to Site IPsec VPN	8
Verifying IPsec Site to Site VPN	13

WEEK 4

93 min.

Hub and Spoke Auto-Discovery VPN	7
Verify Hub and Spoke Auto-Discovery VPN	7
Overlay Controller VPN (OCVPN)	10

Configuring FortiGate VDOMs and HA

Overview	1
Intro to FortiGate VDOMs and HA	1
VDOMs and HA Overview	6
VDOM and HA Game Plan	4
Enable and Create VDOMs	4
Allocate Interfaces to VDOMs	5
Outbound Policies for User Traffic	11
Adding the Second Firewall	13
Testing Active-Passive HA	5
Configuring Active-Active HA	4
Active-Passive VDOM Partitioning	13