

Fortinet NSE 7 - Enterprise Firewall 7.6 Administrator

Learn to deploy, configure, and optimize Fortinet enterprise firewalls at scale. This advanced course builds the enterprise-ready skills you need to run a Fortinet security fabric confidently. You'll practice configuring HA clusters, deploying OSPF and BGP, building VPNs, and using FortiManager and FortiAnalyzer for central management. These are the exact skills Fortinet expects from a Certified Solution Specialist, preparing you to secure, optimize, and manage complex enterprise environments with authority.

[CBT Nuggets course material](#) →

 **STUDY PLAN**

WEEK 1

Building an FCSS FortiNet Lab

Lab Building Overview

Game Plan for FortiNet Lab

Factory Resetting the 100F

Enable VDOMs on 100F

Factory Resetting 60F-1

Enable VDOMs on 60F-1

Factory Reset and VDOMs on 60F-3

Validation for Building the Lab

Config Interfaces & Zones on a 100F

Intro to Configuring Interfaces and Zones on a 100F

Configuring LAB FW Interfaces Overview

Configuring VDOM vHQ-FW1

Configuring VDOM vHQ-FW2

Configuring VDOM vHQ-FW3

Configuring VDOM vHQ-FW4

Troubleshooting FW4

Skill Reinforcement

Config Interfaces & Zones on a 60F

Intro to Config Interfaces & Zones on a 60F

Configure VDOMs vEdge-1 and Edge-2

Configure VDOMs vBranch-1 and 2

Testing VLAN Interfaces and connectivity

Verifying VLAN Interfaces, Zones, and Mgmt VDOMs

Routing Overview

Adding a Dynamic Routing Protocol

WEEK 2

Validation Section

Use FMG to Configure FGT Policy

Intro to Using FortiManager to Configure Policy

FortiManager, FortiGate, and Data Plane Overview

Import all the VDOMs

Create Normalized Zones

Create Header Policy for Traffic-Based VDOMs

Create Centralized SNAT Policies for Edges and Branches

Test Your Knowledge

Using FMG for Device Configuration

Intro to Using FortiManager for FortiGate Device Configuration

FGT Device Config via FMG Overview

Using Dashboard Monitors

Configure Managed Device Settings

Metadata Variables With Mappings

Provisioning Templates

Template Groups

Customer Scenario

Using FortiGate HA

Intro to Using High Availability (HA)

FortiGate HA Overview

Game Plan for HA

Initial Config for 60F-2

Configure Primary and Secondary for Active/Standby

WEEK 3

Testing High Availability

FortiManager Follow-up

Customer Scenario

Using OSPF on FortiGate

Intro to Using Open Shortest Path First

OSPF Overview

Verify Current Network

Remove Static Routes

Configure HQ FWs for OSPF

Using OSPF Totally Stub Areas

Configure Edge FWs for OSPF (with a default route injected)

Equal Cost Multi-Path (ECMP)

Customer Scenario

Configure BGP on FortiGate

Intro to Using Border Gateway Protocol (BGP) on FortiGates

Border Gateway Protocol Overview

BGP Game Plan

Create Loopback Interfaces to Use with BGP

Configure iBGP Neighbors on Edges

Troubleshoot BGP

Advertise Networks in BGP

eBGP configuration

WEEK 4

Configure Policy on SP

BGP Validation

Configure S2S IPsec VPNs

Intro to IPsec Site-to-Site VPNs

IPsec VPN Overview

Game Plan for IPsec

Implement IPsec on Edge-1

Implement IPsec on Branch-1

Implement Permissions for VPN

Troubleshooting The VPN Configuration

Testing the IPsec VPN

CLI Commands for IPsec

Validation for IPsec

Configure FortiGate ADVPNs

Intro to FortiGate ADVPNs

ADVPNs Overview

Game Plan for ADVPNs

Create ADVPN Template for vEdge-1

Create ADVPN Templates Branches

Configure VPN Permissions

Configure iBGP with Templates

Checking and Manipulating IP Routes

Testing ADVPN

ADVPN Knowledge Check

Automate FGT Deployment

Intro to Automating FGT Deployment

Automate FGT Deployment Overview

Game Plan for LTP

Prepare FMG for New FGT

Bootstrap the New FGT

Use Scripts on the New FGT

Push Policy out to FGT

Testing the FGT

Test your Knowledge

Configuring the Security Fabric

Intro to Security Fabric

Fortinet Security Fabric Overview

Game Plan for Security Fabric

Verify Current Topology

Create Security Fabric

Onboard FGTs to FortiManager

Configure Automation for the Security Fabric

Security Fabric Integration

Test Your Knowledge

Using FMG and Security Profiles

Intro to Using FMG to Apply Security Profiles

FMG and Security Profiles Overview

Anti-Virus Security Profile

Web Filter Security Profile

DNS Filter Security Profile

Application Control Security Profile

IPS Security Profile

File Filtering Security Profile

Web Application Firewall Security Profile

WEEK 5

