Training: Fortinet
Network Security Support Engineer (US)

FORTINET
Premier Authorized Training Center

TRANING TERMS

2027-01-20 | 3 days | Virtual Classroom
2027-02-08 | 3 days | Virtual Classroom
2027-03-15 | 3 days | Virtual Classroom
2027-04-07 | 3 days | Virtual Classroom

TRAINING GOALS:

In this course, you will learn how to diagnose and troubleshoot the most common networking and security problems in a Fortinet protected network security solution. In interactive break-and-fix labs, you will use tools, diagnostics, and debug commands to detect, isolate, and resolve problems related to the most commonly used FortiGate features, such as IPsec, routing, web filtering, high availability (HA), IPS, and more. These skills and this knowledge will give you an advanced understanding of how to support a network security solution based on FortiGate devices.

Objectives

After completing this course, you will be able to:

- Set up a baseline for FortiGate and analyze the first steps to diagnose a FortiGate
- Monitor process activity, diagnose conserve mode, and troubleshoot unexpected reboots and frozen devices
- Analyze information in the session table and debug flow output
- Troubleshoot session helpers
- Troubleshoot common problems related to local, LDAP, RADIUS, and SAML authentication
- Troubleshoot common FSSO problems
- Troubleshoot FortiGuard and web filtering problems
- Monitor an HA cluster and troubleshoot common HA problems
- Troubleshoot and diagnose IPsec VPNs with debug and sniffer commands
- Troubleshoot routing problems with debug commands
- Monitor OSPF status and troubleshoot common OSPF problems with debug commands
- Monitor and verify the BGP status with commands and troubleshoot common BGP issues

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Who Should Attend

Networking and security professionals involved in diagnosing, troubleshooting, and supporting an enterprise security infrastructure using FortiGate devices should attend this course.

This course assumes advanced knowledge of networking, and extensive hands-on experience working with FortiGate.

CONSPECT:

- Troubleshooting Concepts
- System Resources
- Sessions, Traffic Flow, and Networking
- Security Fabric
- Firewall Authentication
- FSSO
- Security Profiles
- High Availability
- IPsec
- IPsec-IKEv2
- Routing
- BGP
- OSPF

REQUIREMENTS:

You must have an understanding of the topics covered in the FortiGate Administrator course, or have equivalent experience:

It is also recommended that you have an understanding of the topics covered in the Enterprise Firewall Administrator course.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Fortinet (course completion).

This course prepares you also for the *NSE7 - Network Security Support Engineer* exam. By passing this

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exam, you will be awarded the associated exam badge.

TRAINER:

Fortinet Certified Trainer (FCT)

ADDITIONAL INFORMATION:

ISC2

- CPE training hours: 9
- CPE lab hours: 8
- CISSP domains: Security Operations

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