Training: Fortinet
FortiOS Administrator (US)

FORTINET
Premier Authorized Training Center

TRAINING GOALS:

In this course, you will learn how to use the most common FortiGate features.

In interactive labs, you will explore firewall policies, user authentication, high availability, logging and monitoring, site-to-site IPsec VPN, FortiGate in Cloud, FortiSASE, and how to protect your network using security profiles, such as IPS, antivirus, web filtering, application control, and more. These administration fundamentals will provide you with a solid understanding of how to implement the most common FortiGate features.

Objectives

After completing this course, you should be able to:

- Configure FortiGate basic networking from factory default settings
- Configure and control administrator access to FortiGate
- Use the GUI and CLI for administration
- Describe methods of device registration
- View and search for logs on FortiGate and FortiAnalyzer
- Configure IPv4 firewall policies
- Apply port forwarding, source NAT, and destination NAT
- Analyze a FortiGate route table
- Configure static routing
- Implement route redundancy and load balancing
- Configure a remote LDAP and RADIUS authentication server on FortiGate
- Monitor firewall users from the FortiGate GUI
- Deploy Fortinet Single Sign-On (FSSO) access to network services, integrated with Microsoft Active Directory (AD)
- Describe encryption functions and certificates
- Describe SSL inspection on FortiGate
- Configure security profiles to neutralize threats and misuse, including viruses, torrents, and inappropriate websites
- Apply application control techniques to monitor and control network applications that might use

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standard or non-standard protocols and ports
- Configure IPsec VPN using the IPsec wizard and manual process
- Configure SD-WAN and verify traffic distribution
- Identify the primary and secondary device tasks in an HA cluster
- Identify the different operation modes for HA with the FortiGate Clustering Protocol (FGCP)
- Diagnose and correct common problems
- Identify FortiGate VM and FortiGate CNF in the cloud
- Identify FortiSASE and various FortiSASE use cases

Who Should Attend

Networking and security professionals involved in the management, configuration, administration, and monitoring of FortiGate devices used to secure their organizations' networks should attend this course.

You should have a thorough understanding of all the topics covered in the *FortiGate Operator* course before attending the *FortiOS Administrator* course.

CONSPECT:

- System and Network Settings
- Logging and Monitoring
- Firewall Policies and NAT
- Routing
- Firewall Authentication
- Fortinet Single Sign-On (FSSO)
- Certificate Operations
- Antivirus
- Web Filtering
- Intrusion Prevention and Application Control
- IPsec VPN
- SD-WAN Configuration and Monitoring
- High Availability
- Diagnostics and Troubleshooting
- FortiGate in the Cloud
- FortiSASE

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REQUIREMENTS:

- Knowledge of network protocols.
- Basic understanding of firewall concepts.

Difficulty level

CERTIFICATE:

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

This course is intended to help you prepare for the Fortinet *NSE 4 - FortiOS Administrator* exam. This exam is part of the following certification tracks: FCP Secure Networking, FCP SASE, FCP Cloud Security, and FCP Security Operations

TRAINER:

Fortinet Certified Trainer (FCT)

ADDITIONAL INFORMATION:

ISC2

- CPE training hours: 13
- CPE lab hours: 11
- CISSP domains: Security Operations

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