Course Outline

Fortinet NSE 4 Bundle

Course Summary

Description

In this five-day course, you will learn how to operate and administrate some fundamental FortiGate features and understand a detailed overview of using advanced FortiGate networking and security. By the end of the course, you will acquire a solid understanding of how to deploy and maintain a basic network security solution. The course also covers how to enable users to remotely connect to your network in a secure way. During the training, you will learn about advanced routing, transparent mode, redundant infrastructure, site-to-site IPsec VPN, SSO, web proxy, and diagnostics. In interactive labs, you will learn how to use firewall policies, user authentication, routing, SSL VPN, and how to protect your users using web filtering and application control.

Objectives

Upon completion of this course, students will be able to:

- Deploy the appropriate operation mode for your network.
- Use the GUI and CLI for administration.
- Control network access to configured networks using firewall policies.
- Analyze a FortiGate route.
- Route packets using policy-based and static routes for multipath and load balanced deployments.
- Authenticate users using firewall policies.
- Offer an SSL VPN for secure access to your private network.
- Configure web filtering to block inappropriate and risky websites.
- Apply application control techniques to monitor and control network applications that might use standard or non-standard protocols and ports.

Students will also know:

- Routing
- Software-Defined WAN (SD-WAN)
- Virtual Domains
- Layer 2 Switching
- Site-to-Site IPsec VPN
- Fortinet Single Sign-On (FSSO)
- High Availability (HA)
- Web Proxy
- Diagnostics

Topics

- Introduction and Initial Configuration
- Firewall Policies
- Routing
- Firewall Authentication
- SSL-VPN
- Web Filtering
- Application Control
- Routing
- Software-Defined WAN (SD-WAN)
- Virtual Domains
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Course Summary (cont)

Audience

This course is intended for 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.

Prerequisites

Students should have knowledge of network protocols and a basic understanding of firewall concepts.

Duration

Five days

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I. *Introduction and Initial Configuration*

II. *Firewall Policies*

III. *Routing*

IV. *Firewall Authentication*

V. *SSL-VPN*

VI. *Web Filtering*

VII. *Application Control*

VIII. *Routing*

IX. *Software-Defined WAN (SD-WAN)*

X. *Virtual Domains*

XI. *Layer 2 Switching*

XII. *Site-to-Site IPsec VPN*

XIII. *Fortinet Single Sign-On (FSSO)*

XIV. *High Availability (HA)*

XV. *Web Proxy*

XVI. *Diagnostics*

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