FORTINET

FortiWeb

In this three-day class, you will learn how to deploy, configure, and troubleshoot Fortinet's web application firewall: FortiWeb.

Instructors will explain key concepts of web application security, and lead lab exercises in which you will explore protection and performance features. In the lab, you will experience traffic and attack simulations that use real web applications. You will work with those simulations to learn how to distribute load from virtual servers to real servers, while enforcing logical parameters, inspecting flow, and securing HTTP session cookies.

Product Version

FortiWeb 6.1.

Formats

- Instructor-led classroom
- Instructor-led online
- Self-paced online

Agenda

1. Introduction
2. Basic Setup
3. Integrating Front-End SNAT and Load Balancers

4. Machine Learning and Bot Detection
5. Signatures and Sanitization
6. DoS and Defacement
7. SSL/TLS
8. Authentication and Access Control
9. PCI DSS Compliance
10. Caching and Compression
11. HTTP Routing, Rewriting, and Redirects
12. Troubleshooting

Objectives

After completing this course, you should be able to:

- Define Web Application Firewall and describe its role in the network
- Perform basic configuration and initial deployment
- Configure FortiWeb for deployment in a load balanced network environment
- Implement FortiWeb's Machine Learning capabilities
- Configure and customize FortiWeb signatures
- Configure FortiWeb to protect against DoS and Defacement attacks
- Implement SSL/TLS Encryption, including Inspection and Offloading
- Configure user authentication and access control features

- Configure FortiWeb to ensure PCI DSS Compliance of your web applications
- Configure FortiWeb to perform Caching and Compression tasks
- Configure FortiWeb to perform HTTP content based routing, rewriting, and redirection.
- Perform basic troubleshooting of FortiWeb

Who Should Attend

Networking and security professionals involved in the administration and support of FortiWeb.

Prerequisites

- Knowledge of OSI layers and the HTTP protocol
- Basic knowledge of HTML, JavaScript, and server-side dynamic page languages, such as PHP
- Basic experience using FortiGate port forwarding

System Requirements

If you take the online format of this class, you must use a computer that has the following:

- A high-speed Internet connection
- An up-to-date web browser
- A PDF viewer
- Speakers or headphones
- One of the following:
    - HTML5 support
    - An up-to-date Java Runtime Environment (JRE) with Java plugin enabled in your web browser

You should use a wired Ethernet connection, *not* a Wi-Fi connection. Firewalls, including Windows Firewall or FortiClient, must allow connections to the online labs.

Certification

This course will prepare you for the FortiWeb 6.1 Specialist Exam. The FortiWeb Specialist exam counts toward one of the four NSE 6 specializations required to get the NSE 6 certification.