AWS Cloud Security Administrator

Course Description:

In this course, you will learn about the different components that make up the Amazon Web Services (AWS) infrastructure and the security challenges these environments present, including high availability (HA), load balancing, and software-defined networking (SDN) connectors, and how to manage traffic in the cloud with Fortinet products.

Course Duration:

2 days

Certification:

This course is intended to help you prepare for the Fortinet NSE 5 - FortiManager 7.2 certification exam. This exam is part of the Fortinet Certified Professional - Network Security certification track.

Prerequisites:

- General knowledge of IaaS vendors and experience with FortiGate VMs.
- No prerequisites required. AWS accounts are provided at the start of the course.

Outlines:

1. Introduction to the Public Cloud
2. AWS Components
3. Fortinet Products and Deployments for AWS
4. High Availability in AWS
5. Load Balancers in AWS

Objectives:

After completing this course, you will be able to:

- Understand the concept of the public cloud
- Know the various AWS public cloud service terms
- Identify threats and challenges in the public cloud
- Secure the AWS cloud
- Understand various public cloud deployments
- Describe Fortinet licensing models
- Be familiar with Github
- Describe AWS service components
- Identify AWS core networking components
- Identify AWS security components
- Describe AWS network firewall limitations
- Understand traffic flow in a virtual network
- Understand layer 2 traffic flow

- Understand routing and restrictions
- Identify Fortinet products on AWS Marketplace
- Understand Fortinet deployments in AWS
- Understand Fortinet offerings for web application firewall (WAF)in AWS
- Describe FortiWeb Cloud
- Understand different HA architectures in AWS
- Identify FortiGate native active-passive HA
- Understand FortiGate active-passive HA across two AZs
- Be familiar with AWS CloudFormation
- Identify different types of load balancers
- Understand FortiGate active-active HA with AWS ELB
- Understand GWLB
- Understand FortiGate CNF
- Identify the differences between FortiGate CNF and FortiGate VMs

Who should attend:

Anyone who is responsible for the deployment or day-to-day management of Fortinet solutions on AWS should attend this course.