Cloud Security for AWS

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), autoscaling, and software-defined networking (SDN) connectors, and how to manage traffic in the cloud with Fortinet products.

Product Version:

- FortiGate 7.0
- FortiWeb 6.3

Course Duration:

1 day

Certification:

This course is intended to help you prepare for the Fortinet NSE 6 - Cloud Security 7.0 for AWS certification exam. This exam is part of the Fortinet Certified Professional – Public Cloud Security certification track.
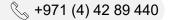
Prerequisites:

General knowledge of IaaS vendors and experience with FortiGate and FortiWeb VMs

AWS Prerequisite:

To run the labs on AWS, students must have their own AWS accounts with the following:

- Valid payment method registered on the account
- Ability to subscribe to FortiGate PAYG and FortiWeb PAYG products on AWS Marketplace
- Capacity for at least four elastic IPs and 10 vCPUs in a single region
- Permissions to create the following:
- VPCs
- EC2 instances
- Security groups
- Lambda functions
- AIM users
- Elastic load balancers
- Autoscaling groups
- Cloud formation stack deployments

Outlines:

1. Introduction to the Public Cloud
2. AWS Concepts
3. High Availability and Load Balancer
1. Fortinet Solution for AWS

Objectives:

After completing this course, you will be able to:

- Understand the concept of the public cloud
- Understand AWS basic concepts
- Review AWS components
- Identify AWS security
- Describe the traffic flow in AWS
- Distinguish between different licenses in AWS Marketplace
- Deploy Fortinet products in AWS
- Configure the load balancer
- Identify FortiGate native active-passive HA
- Deploy FortiGate active-active HA with AWS ELB
- Understand how to use Fortinet GitHub
- Understand FortiGate AWS SDN integration

Who should attend

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