Cloud Security for Azure

In this course, you will learn about the different components that make up the Microsoft Azure 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

- Lecture time (estimated): 3 hours
- Lab time (estimated): 4 hours
- Total course duration (estimated): 7 hours
  - 1 full day or 2 half days

Who Should Attend

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

Certification

This course is intended to help you prepare for the *Fortinet NSE 6 - Cloud Security 7.0 for Azure* certification exam. This certification 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

Azure Prerequisites

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

- A pay-as-you-go subscription with a valid payment method—the free trial will not work for some labs
- The ability to deploy FortiGate and FortiWeb PAYG from Azure Marketplace
- Capacity for at least 10 vCPUs in a single region
- Permissions to create the following:
  - App registrations (service principal) and keys
  - Load balancers
  - VNets
  - Virtual machines with four vCPUs
- The ability to do the following:
  - Run PowerShell scripts
  - Read the Active Directory properties and use Azure functions

The estimated cost per student for running the lab, if done within the specified lab times and everything is deleted at the end, is USD $10 per day.

Agenda

1. Overview of Microsoft Azure
2. Fortinet Solutions for Microsoft Azure
3. Deployment of Simple Solutions in Azure
4. Deploying Dependable Solutions in Microsoft Azure
5. Deployment of VPN Fortinet Solutions in Microsoft Azure

Objectives

After completing this course, you will be able to:

- Deploy a FortiGate VM in Azure in single and HA modes
- Use Fortinet templates to easily deploy complex environments
- Deploy FortiWeb in Azure
- Use SDN connectors with Azure
- Integrate other Fortinet services and products with Azure

Delivery Options and SKUs

Instructor-Led Training

Includes standard NSE training content delivered in person onsite, or live online using a virtual classroom application. Training is delivered within public classes or as a private class. Private requests are scoped, quoted, developed, and delivered by Fortinet Training (minimum quantities apply).

Use the following ILT Training SKU to purchase scheduled public classes of this course through Fortinet Resellers or Authorized Training Partners:

FT-AZR-CDS

Self-Paced Training

Includes online training videos and resources through the Fortinet Training Institute library, free of charge.

See Purchasing Process for more information about purchasing Fortinet training products.

(ISC)²

- CPE training hours: 3
- CPE lab hours: 4
- CISSP domains: Communication and Network Security

Program Policies and FAQs

For questions about courses, certification, or training products, refer to Program Policy Guidelines or Frequently Asked Questions.