Securing Azure With Fortinet Cloud Security

In this course, you will learn about the different components that make up the infrastructures of Azure, and the security challenges these environments present, including high availability (HA), auto-scaling, software-defined network (SDN) connectors, and how to manage traffic in the cloud with Fortinet products.

The content in this course is identical to the Azure content in the NSE 7 Public Cloud course.

Product Version

- FortiGate 6.4
- FortiWeb 6.3

Course Duration

- Lecture time (estimated): 2 hours
- Lab time (estimated): 4 hours
- Total course duration (estimated): 6 hours/1 day

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 *NSE 6—Securing Azure With Fortinet Cloud Security* certification exam.

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. Introduction to the Public Cloud
2. Fortinet Solutions for the Public Cloud
3. Fortinet Solutions for Microsoft Azure

Objectives

After completing this course, you should be able to:

- Deploy a FortiGate VM on 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 NSE Training Institute library, free of charge.

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

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- CPE training hours: 2
- 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.