



## Private Cloud Security

In this advanced, hands-on, two-day class, you will learn about the different components that make up the infrastructures of private clouds and the security challenges these environments present.

You will learn how to address these security challenges with the Fortinet cloud security offering, using the Software Defined Networks (SDN) connectors, and how to deploy a FortiGate-VMX and configure the Fortinet integration with OpenStack.

### Product Version

- FortiOS 6.0
- VMware vSphere 6.7 and NSX 6.4
- OpenStack Queens

### Formats

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

### Agenda

1. Introduction to Cloud Computing
2. VMware NSX and FortiGate VMX Solution
3. OpenStack and FortiGate Integration

### Objectives

After completing this course, you will be able to:

- Understand cloud computing principles
- Understand the different cloud types
- Understand the different cloud delivery models
- Identify cloud security challenges
- Understand the Fortinet cloud security approach
- Identify the Fortinet private cloud security offering
- Deploy FortiGate-VMX and configure OpenStack integration

### Who Should Attend

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

### Prerequisites

- General knowledge of virtualization platforms, such as VMware and OpenStack and experience with FortiGate VMs.
- General knowledge of Linux including how to view, edit, and save files, and also how to interact with processes.

## 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 on your web browser

We recommend that you 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 and the *Public Cloud Security* course are intended to help you prepare for the *NSE 7 Cloud Security* certification exam.