

Public Cloud Security Architect (FORT-PUBCLOUDSEC)

ID FORT-PUBCLOUDSEC Price on request Duration 3 days

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Course Overview

In this course, you will learn how to deploy Fortinet solutions in the public cloud using various methods. You will learn how to use third-party automation tools to deploy and secure your cloud resources. You will also learn how to effectively troubleshoot common connectivity problems in Azure and AWS, and how to use FortiCNP to simplify risk management for your cloud workloads.

This course prepares you for the Fortinet FCSS - Public Cloud Security 7.6 exam. By passing this exam, you will be awarded the associated exam badge. This exam is in the FCSS Public Cloud Security certification track.

Who should attend

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

Prerequisites

- General knowledge of IaaS vendors
- Experience with FortiGate, FortiWeb, and Linux VMs
- Completion of the FCP - Cloud Security for AWS and FCP - Cloud Security for Azure courses or a clear understanding of network components and how to deploy resources in

Azure and AWS

AWS Prerequisites:

Labs: students must have own account with:

- A valid payment method registered on the account*
- Capacity for minimum four elastic IPs and 15 vCPUs in single region
- Capacity to deploy FortiGate EC2 instances with a combined total of 10 or more network interfaces
- Capacity to deploy FortiWeb EC2 instances
- Permissions to create the following:[list]
- Minimum of 6 VPCs and 10 EC2 instances
- S3 bucket
- CloudShell
- Security groups
- Internet and transit gateways
- Lambda functions
- IAM users with AWSMarketplaceFullAccess and AmazonEC2FullAccess permissions

[/list]

AWS Prerequisites: Labs: students must have own account with:

- Pay-as-you-go subscription with valid payment method*
- Ability to deploy FortiGate from Azure Marketplace using Bicep or Terraform
- Capacity for at least 16 vCPUs in a single region
- Capacity to deploy FortiGate VMs with a combined total of 10 or more network interfaces
- Permissions to create the following:
 - App registrations (service principal) and keys
 - Minimum 6 VNets
 - Minimum 7 VMs with a combined total of 15 vCPUs
- The ability to do the following:
 - Run Cloud Shell with storage setup
 - Read the Active Directory properties and use Azure functions
 - Create an IAM user with contributor, owner, and user access administrator role permissions

*Estimated lab cost/student, following all instructions, is USD \$15/cloud vendor/day. Free trial will not work for some exercises.

Course Objectives

After completing this course, you will be able to:

- Describe best practices when working with cloud deployments
- Use automation tools to deploy cloud resources in AWS and Azure
- Deploy Fortinet solutions to protect IaaS deployments
- Deploy Fortinet solutions to protect CaaS deployments
- Troubleshoot cloud deployment and network connectivity issues
- Use FortiCNP to simplify risk management

Detailed Course Outline

- Cloud Security Best Practices
- Infrastructure as Code
- Securing IaaS Solutions
- Securing CaaS Solutions
- Troubleshooting
- FortiCNP Features and Use Cases
- FortiCNP Cloud Protection

About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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