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Security Engineering on AWS Course Outline

Course#:aws-seceng
Duration:3 Days
Price:2550.00

Course Description

This course demonstrates how to efficiently use AWS security services to stay secure in the AWS Cloud. The course focuses on the security practices that AWS recommends for enhancing the security of your data and systems in the cloud. The course highlights the security features of AWS key services including compute, storage, networking, and database services. You will also learn how to leverage AWS services and tools for automation, continuous monitoring and logging, and responding to security incidents.

Objectives

In this course, you will learn how to:

- Assimilate and leverage the AWS shared security responsibility model
- Architect and build AWS application infrastructures that are protected against the most common security threats
- Protect data at rest and in transit with encryption
- Apply security checks and analyses in an automated and reproducible manner
- Configure authentication for resources and applications in the AWS Cloud
- Gain insight into events by capturing, monitoring, processing, and analyzing logs
- Identify and mitigate incoming threats against applications and data
- Perform security assessments to ensure that common vulnerabilities are patched and security best practices are applied

Audience

This course is intended for:

- Security engineers

Security architects
Information security

Prerequisites

We recommend that attendees of this course have the following prerequisites:

AWS Cloud Practitioner
AWS Security Fundamentals
Architecting on AWS
Working knowledge of IT security practices and infrastructure concepts
Familiarity with cloud computing concepts

Content

Day 1

Entry points on AWS
Security considerations for Web Application environments
Securing network communications inside the Amazon VPC
Application security with incident response

Day 2

Data security with incident response
Security considerations for a hybrid environment
AWS monitoring and log collecting
Processing logs on AWS
Protecting against threats outside of the Amazon VPC

Day 3

Account management on AWS

Security considerations for a serverless environment

Secrets management on AWS

Automating security and incident response on AWS

Threat detection and sensitive data monitoring