SECURITY ENGINEERING ON AWS

- 3 Days
- Lecture and Hands-on Labs

Course Overview

Learn best practices for securing the AWS cloud. In this course, you will learn how to efficiently use AWS security services for optimal security and compliancy in the AWS cloud. This course focuses on the AWS-recommended best practices that you can implement to enhance 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. This course also refers to the common security control objectives and regulatory compliance standards. Additionally, you will examine use cases for running regulated workloads on AWS across different verticals, globally. You will also learn how to leverage AWS services and tools for automation and continuous monitoring-taking your security operations to the next level.

Review this course online at https://www.alta3.com/courses/seceng

Who Should Attend

- Security engineers, architects, analysts, and auditors
- Individuals responsible for governing, auditing, and testing IT infrastructure
- Professionals ensuring conformity to security, risk, and compliance guidelines

What You'll Learn

- Leverage the AWS shared security responsibility model.
- Implement security controls and manage AWS resources effectively.
- Utilize AWS services for automation and continuous monitoring.
- Conduct security incident management and ensure cloud resiliency.

Outline

Introduction to Cloud Security

1. Introduction to Cloud Security
2. Security of the AWS Cloud
3. Cloud Aware Governance and Compliance
4. Identity and Access Management
5. Securing AWS Infrastructure Services
6. Securing AWS Container Services
7. Securing AWS Abstracted Services
8. Using AWS Security Services
9. Data Protection in the AWS Cloud
10. Building Compliant Workloads on AWS-Case Study
11. Security Incident Management in the Cloud

Prerequisites

- Have attended the AWS Security Fundamentals course
- Experience with governance, risk, compliance regulations, and control objectives
- Working knowledge of IT security practices
- Working knowledge of IT infrastructure concepts
- Familiarity with cloud computing concepts