APPLIED TECHNOLOGY ACADEMY

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Security Engineering on AWS Training

Award Winning Training · Applied Technology Academy

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.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Intermediate	**3 Days**	**2 years: Cloud & Security Engineers**	**$152,773**	**Yes**

Course Overview

In this course, you will learn how to:

- Assimilate and leverage the AWS shared security responsibility model
- Manage user identity and access management in the AWS cloud

Use AWS security services such as AWS Identity and Access Management, Amazon Virtual Private Cloud, AWS CloudTrail, Amazon CloudWatch, AWS Key Management Service, AWS CloudHSM, AWS Config, AWS Service Catalog, and AWS Trusted Advisor

- Implement better security controls for your resources in the AWS cloud
- Manage and audit your AWS resources from a security perspective
- Monitor and log access and usage of AWS compute, storage, networking, and database services
- Assimilate and leverage the AWS shared compliance responsibility model
- Identify AWS services and tools to help automate, monitor, and manage security operations on AWS
- Perform security incident management, cloud resiliency, and business continuity in the AWS cloud

Course Outline

- Introduction to Cloud Security
- Security of the AWS Cloud
- Cloud Aware Governance and Compliance
- Identity and Access Management
- Securing AWS Infrastructure Services
- Securing AWS Container Services
- Securing AWS Abstracted Services
- Using AWS Security Services

- Data Protection in the AWS Cloud
- Building Compliant Workloads on AWS-Case Study
- Security Incident Management in the Cloud

Intended Audience

This course is intended for:

Security engineers, architects, analysts, and auditors

Individuals who are responsible for governing, auditing, and testing an organization's IT infrastructure, as well as ensuring conformity of the infrastructure to security, risk, and compliance guidelines

Prerequisites

We recommend that attendees of this course have the following 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
- Securing AWS Infrastructure Services
- Securing AWS Container Services
- Securing AWS Abstracted Services
- Using AWS Security Services
- Data Protection in the AWS Cloud
- Building Compliant Workloads on AWS-Case Study
- Security Incident Management in the Cloud

This course allows you to test new skills and apply knowledge to your working environment through a variety of practical exercises.

Follow-On Courses

- The Machine Learning Pipeline
- Building Data Lakes on AWS
- Building Batch Data Analytics Solutions Using Amazon Redshift

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.