Training: AWS
AWS Security Governance at Scale

TRAINING GOALS:

This course is designed for large, or scaling organizations. It focuses on automating cloud governance to enhance security. This includes retiring manual processes in account management, budget enforcement, and security operations and compliance. These areas allow for governance without inhibiting agility, speed, or innovation. They also allow for decision makers with the visibility, control, and governance necessary to protect sensitive data and systems.

Course objectives

In this course, you learn to do the following:

- Configure AWS Organizations to create a multi-account environment
- Establish a landing zone with AWS Control Tower
- Enable cross-account security audits using AWS Identity and Access Management (IAM)
- Implement identity management using AWS IAM Identity Center (Successor to AWS Single Sign-On)
- Federate access using IAM Identity Center
- Enforce policies using prepackaged guardrails
- Centralize logging using AWS CloudTrail and AWS Config
- Define workflows for provisioning accounts using AWS Service Catalog

Intended audience

This course is intended for:

- Solutions Architects
- Security Engineers

CONSPECT:

- Module 1: Governance at Scale

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- Governance at Scale Basics
- Governance at Scale Focal Points
- Governance Management

- Module 2: Governance Automation
  - Implementing with Best Practices
  - Setting Up an AWS Control Tower Landing Zone
  - Demonstration: AWS Control Tower
  - Centralizing Identity and Access Management
  - Automating Compliant Account Provisioning
  - Establishing Guardrails
- Module 3: Preventive Controls
  - Provisioning with Self-Service Capabilities
  - AWS Service Catalog Basics
  - Demonstration: AWS Service Catalog
  - AWS Service Catalog Workflows
  - Service Costs and Usage
  - Integration with IT Service Management Tools
- Lab 1: Deploy Cloud Resources from AWS Service Catalog
- Module 4: Detective Controls
  - Operating with Agility and Control
  - Cloud Governance Pillars
  - Key Services to Support Effective Cloud Governance
  - Case Study
  - Tech Talk: AWS Security Hub
- Lab 2: Taking Action with AWS Systems Manager
- Lab 3: Compliance and Security Automation with AWS Config

REQUIREMENTS:

Recommended prerequisites:

- AWS Security Fundamentals course or AWS Security Essentials course

Difficulty level



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CERTIFICATE:

The participants will obtain certificates signed by AWS (course completion).

TRAINER:

AWS Authorized Instructor (AAI)

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