

AWS training Day - Securing your AWS Cloud

Duration — 3 hr

Target Audience

This event is intended for:

- IT business-level professionals interested in cloud security practices
- Security professionals with minimal working knowledge of AWS

Course Outline

Module-0 Introduction

1. Benefits of the Cloud
2. AWS Account
3. CIA Traid

Module-1 Exploring Security Pillar

1. AWS Well-Architected Framework

Demo1 — WA Tool

1. Security in the AWS cloud
 1. Visibility
 2. Auditability
 3. Controlability
 4. Agility
 5. Automation
2. Shared responsibility model

Module-2 Security of the Cloud: AWS Global Infrastructure

1. Data center security
2. AWS Availability Zones
3. AWS Regions

Module-3 Security design principles

1. Principle of least privilege
2. Enable traceability
3. Secure all layers
4. Automate security

5. Protect data in transit and at rest
6. Prepare for security events
7. Minimize attack surface

Module-4 What is your security posture?

1. Authentication

IAM

Demo2— IAM dashboard

2. Authorization

IAM Policy types

3. Monitoring

Cloudwatch

Demo3— Cloudwatch Alarm

Config

Demo4— Config

Macie

Demo5— Macie

4. Audit

Cloudtrail

Demo6— Cloudtrail

5. Encryption

KMS

6. Data Path

Virtual Private Cloud

VPC Security Features