AWS Security Essentials

Duration: 1 Day

Prerequisites:

We recommend that attendees of this course have:

- Working knowledge of IT security practices and infrastructure concepts and familiarity with cloud computing concepts.

Course Description:

This course covers fundamental Amazon Web Services (AWS) security concepts, including AWS access control, data encryption methods, and how to secure network access to your AWS infrastructure. Based on the AWS Shared Responsibility Model, you learn your responsibilities related to implementing security in the AWS Cloud and which security-oriented services are available to you. You also learn why and how the security services help meet the security needs of your organization.

Course Objectives:

In this course, you will learn to:

- Identify security benefits and responsibilities of using the AWS Cloud.
- Describe the access control and management features of AWS.
- Explain the available methods for encrypting data at rest and in transit.
- Describe how to secure network access to your AWS resources.
- Determine which AWS services can be used for monitoring and incident response.

Target Audience:

This course is intended for:

- Security IT business-level professionals interested in cloud security practices
- Security professionals with minimal to no working knowledge of AWS

Course Outlines:

Module 1: Exploring the Security Pillar
- AWS Well-Architected Framework: Security Pillar

Module 2: Security of the Cloud
- Shared responsibility model
- AWS Global Infrastructure
- Compliance and governance

Module 3: Identity and Access Management
- Identity and access management
- Data access and protection essentials
- Lab 1: Introduction to Security Policies

Module 4: Protecting Infrastructure and Data
- Protecting your network infrastructure
- Edge Security
- DDoS Mitigation
- Protecting compute resources
- Lab 2: Securing VPC Resources with Security Groups

Module 5: Detection and Response
- Monitoring and detective controls
- Incident response essentials

Module 6: Course Wrap-Up
- Course revie

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