



# AWS Security Essentials

AWSSecEss - Version: 1

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 1 days Course

## Description:

AWS Security Essentials covers fundamental AWS cloud security concepts, including AWS access control, data encryption methods, and how network access to your AWS infrastructure can be secured. Based on the AWS Shared Security Model, you learn where you are responsible for implementing security in the AWS Cloud and what security-oriented services are available to you and why and how the security services can help meet the security needs of your organization. This course enables you to dive deep, ask questions, work through solutions, and get feedback from AWS accredited instructors with deep technical knowledge. This is a fundamental level course and is a part of the AWS Security learning path.

## Intended audience:

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

## Prerequisites:

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

## Objectives:

Identify security benefits and responsibilities when using the AWS Cloud  
Describe the access control and management features of AWS  
Understand the different data encryption methods to secure sensitive data

Describe how to secure network access to your AWS resources

Determine which AWS services can be used for security logging and monitoring

## Topics:

### Module 1: Security on AWS

- Security design principles in the AWS Cloud
- AWS Shared Responsibility Model

### Module 2: Security OF the Cloud

- AWS Global Infrastructure
- Data Center Security
- Compliance and Governance

### Module 3: Security IN the Cloud – Part 1

- Identity and Access Management
- Data Protection
- Lab 01 – Introduction to Security Policies

### Module 4: Security IN the Cloud – Part 2

- Securing your infrastructure
- Monitoring and detective controls
- Lab 02 – Securing VPC Resources with Security Groups

### Module 5: Security IN the Cloud – Part 3

- DDoS mitigation
- Incident response essentials
- Lab 03 – Automating Incident Response with AWS Config and AWS Lambda

## Module 6: Course Wrap Up

- AWS Well-Architected tool overview