



## Course Content

### 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, this course teaches where in the AWS Cloud you are responsible for implementing security. You'll also learn what security-oriented services are available to you, as well as 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 fundamental-level course is part of the AWS Training and Certification Security learning path.

### At Course Completion:

After competing this course, student will be able to:

- 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

### Target Student:

This course is intended for:

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

### Prerequisites:

We recommend that attendees of this course have:

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

### 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

- Identity and Access Management

- Data Protection

#### Module 4: Security In the Cloud

- Securing your infrastructure
- Monitoring and detective controls

#### Module 5: Security In the Cloud

- DDoS mitigation
- Incident response essentials

#### Module 6: Course Wrap Up

- AWS Well-Architected tool overview