

Security Operations on AWS

COURSE OVERVIEW:

Security Operations on AWS demonstrates how to efficiently use AWS security services to stay secure and compliant in the AWS Cloud. The course focuses on the AWS-recommended security best practices that you can implement to enhance the security of your data and systems in the cloud. The course highlights the security features of AWS key services including compute, storage, networking, and database services. This course also refers to the common security control objectives and regulatory compliance standards and examines use cases for running regulated workloads on AWS across different verticals, globally. You will also learn how to leverage AWS services and tools for automation and continuous monitoring and taking your security operations to the next level.

WHO WILL BENEFIT FROM THIS COURSE?

- Security engineers
- Security architects
- Security analysts
- Security auditors
- Individuals who are responsible for governing, auditing, and testing an organization's IT infrastructure, and ensuring conformity of the infrastructure to security, risk, and compliance guidelines

PREREQUISITES:

We recommend that attendees of this course have the following prerequisites:

- Attended AWS Security Fundamentals
- Experience with governance, risk, and compliance regulations and control objectives
- Working knowledge of IT security practices
- Working knowledge of IT infrastructure concepts
- Familiarity with cloud computing concepts

COURSE OBJECTIVES:

- Assimilate and leverage the AWS shared security responsibility model.
- Manage user identity and access management in the AWS Cloud.
- Use AWS security services such as AWS Identity and Access Management, Amazon Virtual Private Cloud, AWS Config, AWS CloudTrail, AWS Key Management Service, AWS CloudHSM, and AWS Trusted Advisor.
- Implement better security controls for your resources in the AWS Cloud.
- Manage and audit your AWS resources from a security perspective.
- Monitor and log access and usage of AWS compute, storage, networking, and database services.
- Assimilate and leverage the AWS shared compliance responsibility model.
- Identify AWS services and tools to help automate, monitor, and manage security operations on AWS.
- Perform security incident management in the AWS Cloud.

COURSE OUTLINE:**Day 1**

- Module 1: Introduction to Cloud Security
- Module 2: Cloud Aware Governance and Compliance
- Module 3: Identity and Access Management
- Lab 1: Using AWS IAM
- Module 4: Securing AWS Infrastructure Services - Part 1
- Lab 2: Creating a virtual private cloud

Day 2

- Module 5: Securing AWS Infrastructure Services - Part 2
- Module 6: Securing AWS Container Services - Part 1
- Module 6: Securing AWS Container Services - Part 2
- Lab 3: Using RDS security groups
- Module 7: Securing AWS Abstracted Services
- Lab 4: Securing Amazon S3 buckets
- Module 8: Using AWS Security Services - Part 1
- Lab 5: Capturing logs

Day 3

- Module 9: Using AWS Security Products - Part 2
- Lab 6: Using AWS Config
- Lab 7: Using AWS Service Catalog
- Module 10: Data Protection in the AWS Cloud
- Module 11: Building Compliant Workloads on AWS - Case Studies
- Module 12: Security Incident Management in the Cloud

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Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

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- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience