Security Engineering on AWS (AWS-SEC-ENG)

COURSE OVERVIEW

This course demonstrates how to efficiently use AWS security services to stay secure in the AWS Cloud. The course focuses on the security practices that AWS recommends for enhancing 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. You will also learn how to leverage AWS services and tools for automation, continuous monitoring and logging, and responding to security incidents.

WHO WILL BENEFIT FROM THIS COURSE?

This course is intended for:

- Security engineers
- Security architects
- Security operations
- Information security

PREREQUISITES

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

- AWS Cloud Practitioner Essentials
- AWS Security Fundamentals
- Architecting on AWS
- Working knowledge of IT security practices and infrastructure concepts
- Familiarity with cloud computing concepts

COURSE OBJECTIVES

This course teaches you how to:

- Assimilate and leverage the AWS shared security responsibility model
- Architect and build AWS application infrastructures that are protected against the most common security threats
- Protect data at rest and in transit with encryption
- Apply security checks and analyses in an automated and reproducible manner
- Configure authentication for resources and applications in the AWS Cloud
- Gain insight into events by capturing, monitoring, processing, and analyzing logs
- Identify and mitigate incoming threats against applications and data
- Perform security assessments to ensure that common vulnerabilities are patched and security best practices are applied

COURSE OUTLINE

Day 1
- Identifying Entry Points on AWS
- Security Considerations: Web Application Environments
- Application Security
- Securing Networking Communications – Part 1

Day 2
- Data Security
- Security Considerations: Hybrid Environments
- Monitoring and Collecting Logs on AWS
- Processing Logs on AWS
- Securing Networking Communications – Part 2
- Out-Of-Region Protection

Day 3
- Account Management on AWS
- Security Considerations: Serverless Environments
- Secrets Management on AWS
- Automating Security on AWS
- Threat Detection and Sensitive Data Monitoring

WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

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 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.

Convenient and Reliable Training Experience

- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

Interested in Private Group Training?
Contact Us