

**AWS Security Essentials**

**Course Number:** AWS-132
**Duration:** 1 day

**Overview**

This AWS Security Essentials training course teaches attendees fundamental AWS cloud security concepts, including AWS access control, data encryption methods, and secure network access to AWS infrastructure. Students learn which security-oriented services are available and how they can help meet the security needs of their organizations.

Accelebrate is an AWS Training Partner (ATP) and this hands-on official AWS Classroom Training course is taught by an accredited Amazon Authorized Instructor (AAI).

**Prerequisites**

All students must have working knowledge of IT security practices and infrastructure concepts, as well as familiarity with cloud computing concepts.

**Materials**

All AWS training students will receive comprehensive courseware.

**Software Needed on Each Student PC**

A modern web browser and an Internet connection free of restrictive firewalls, so that the student can connect by SSH or Remote Desktop (RDP) into AWS virtual machines.

**Objectives**

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

**Outline**

* Introduction
* Security on AWS
	+ Security design principles in the AWS Cloud
	+ AWS shared responsibility model
* Security OF the Cloud
	+ AWS global infrastructure
	+ Data center security
	+ Compliance and governance
* Security IN the Cloud – Part 1
	+ Identity and access management
	+ Data protection essentials
* Security IN the Cloud – Part 2
	+ Securing your infrastructure
	+ Monitoring and detective controls
* Security IN the Cloud – Part 3
	+ DDoS mitigation
	+ Incident response essentials
* Conclusion
	+ AWS well-architected tool overview
	+ Next steps