AWS Security Essentials

Category: Cloud Platforms | **Vendor:** Amazon Web Services

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Certification: AWS Certified Security – Specialty

Course Overview

Did you know that 45% of data breaches are cloud-based, with misconfigured security settings being a leading cause? As cloud adoption continues to grow, understanding AWS security is more critical than ever to protect sensitive data and maintain compliance. AWS Security Essentials provides a foundational understanding of cloud security concepts within AWS. Gain the skills and confidence needed to secure your cloud infrastructure effectively. Whether you're an IT professional, security analyst, or business leader, this course will equip you with the essential knowledge to protect your AWS environment.

About This Course

Did you know that 45% of data breaches are cloud-based, with misconfigured security settings being a leading cause? As cloud adoption continues to grow, understanding AWS security is more critical than ever to protect sensitive data and maintain compliance. AWS Security Essentials provides a foundational understanding of cloud security concepts within AWS. Gain the skills and confidence needed to secure your cloud infrastructure effectively. Whether you're an IT professional, security analyst, or business leader, this course will equip you with the essential knowledge to protect your AWS environment.

Who Should Attend

Security IT business-level professionals interested in cloud security practices Security professionals with minimal to no working knowledge of AWS

Prerequisites & Entry Requirements

General Prerequisites:

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

By the end of AWS Security Essentials, participants will have a solid understanding of cloud security responsibilities and best practices within AWS. They will learn how to manage access control using AWS Identity and Access Management (IAM), implement encryption methods to protect data in transit and at rest, and apply network security strategies to safeguard AWS resources. Participants will also explore AWS security services designed for monitoring, compliance, and incident response, helping organizations detect and mitigate security risks. Through hands-on labs and real-world scenarios, learners will gain practical experience in securing cloud infrastructure, ensuring they can confidently apply security measures to protect AWS environments.

Detailed Course Outline

1 - Security on AWS

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

2 - Security OF the Cloud

- AWS Global Infrastructure
- Data center security
- Compliance and governance

3 - Security IN the Cloud – Part 1

- Identity and access management
- Data protection essentials
- Lab 01 – Introduction to security policies

4 - Security IN the Cloud – Part 2

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

5 - Security IN the Cloud – Part 3

- DDoS mitigation
- Incident response essentials
- Lab 03 – Remediating issues with AWS Config Conformance Packs

6 - Course Wrap Up

- AWS Well-Architected tool overview
- Next Steps

, Module 1: Exploring the Security Pillar

- AWS Well-Architected Framework: Security Pillar

Module 2: Security of the Cloud

- Shared responsibility model

- AWS Global Infrastructure

- Compliance and Governance

Module 3: Identity and Access Management

- Identity and Access Management

- Data access and protection essentials

- Lab 1 – Introduction to Security Policies

Module 4: Protecting Infrastructure and Data

- Protecting your network infrastructure

- Edge Security

- DDoS mitigation

- Protecting compute resources

- Lab 2 – Securing VPC Resources with Security Groups

Module 5: Detection and Response

- Monitoring and detective controls

- Incident response essentials

Module 6: Course Wrap Up

- Course review, Security IN the Cloud -- Part 2, Security IN the Cloud -- Part 3, Security on AWS, Security OF the Cloud, Security IN the Cloud -- Part 1

Skills You Will Learn:

This course is designed to teach you how to:

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

Upcoming Schedule

Available training dates for AWS Security Essentials:

Start Date	End Date	Location	Delivery	Price
04 Dec 2026	04 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for AWS Security Essentials?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AWS Security Essentials course helps prepare you for the AWS Certified Security – Specialty certification path.

Q: How many CPD hours does this course provide?

The 1-day AWS Security Essentials course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AWS Security Essentials training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AWS Security Essentials?

Yes, we provide corporate training, dedicated training, and closed classes for AWS Security Essentials. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AWS Security Essentials, AWS Essentials Training, SEC-ESS, Amazon Web Services, vILT

Q: Why choose Nexus Human for AWS Security Essentials?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AWS Security Essentials training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 14/11/2026.