

Security Specialist Path



Objective

The Security Specialist Path has been specially designed for people throughout the organisation who are responsible for designing and implementing security measures in the AWS Cloud.

Participants will learn about application and configuration of access control on AWS, encryption of AWS services and the applications built on them and security monitoring tooling.

Attendees who complete this pathway will progressively build their confidence securing applications and infrastructure using AWS best practices.



Level

Intermediate



Duration

9 days

£ 4,680



AWS Security Fundamentals

In this course, you will learn fundamental AWS cloud security concepts, including AWS access control, data encryption methods, and how network access to your AWS infrastructure can be secured. We will address your security responsibility in the AWS Cloud and the different security-oriented services available.



Architecting on AWS

This course covers the fundamentals of building IT infrastructure on the AWS platform. Students learn how to optimize the AWS Cloud by understanding how AWS services fit into cloud-based solutions. In addition, students explore AWS Cloud best practices and design patterns for architecting optimal IT solutions on AWS, and build a variety of infrastructures in guided, hands-on activities. The course also covers how to create fledgling architectures and build them into robust and adaptive solutions.



Exam Readiness: AWS Certified Solutions Architect – Associate

This course covers the fundamentals of building IT infrastructure on the AWS platform. Students learn how to optimize the AWS Cloud by understanding how AWS services fit into cloud-based solutions. In addition, students explore AWS Cloud best practices and design patterns for architecting optimal IT solutions on AWS, and build a variety of infrastructures in guided, hands-on activities. The course also covers how to create fledgling architectures and build them into robust and adaptive solutions.



Exam Voucher: AWS Certified Solutions Architect – Associate



Security Engineering on AWS

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.



Exam Readiness: AWS Certified Security – Specialty

The exam validates technical skills and experience in securing and hardening workloads and architectures on the AWS platform. Attendees In this advanced-level course attendees will learn how to prepare and succeed in the exam. We will help you prepare for the exam by exploring the exam's domain areas and mapping them to specific areas to study. We will review sample exam questions in each domain area, teaching you how to interpret the concepts being tested so that you can better eliminate incorrect responses.



Exam Voucher: AWS Certified Security - Specialty



Security Specialist Path



Abilities Validated by the Certification

- An understanding of specialized data classifications and AWS data protection mechanisms.
- An understanding of data encryption methods and AWS mechanisms to implement them.
- An understanding of secure Internet protocols and AWS mechanisms to implement them
- A working knowledge of AWS security services and features of services to provide a secure production environment.
- Competency gained from two or more years of production deployment experience using AWS security services and features.
- Ability to make tradeoff decisions with regard to cost, security, and deployment complexity given a set of application requirements.
- An understanding of security operations and risk.



Abilities Validated by the Certification

- Design and deploy dynamically scalable, highly available, fault-tolerant, and reliable applications on AWS.
- Select appropriate AWS services to design and deploy an application based on given requirements.
- Migrate complex, multi-tier applications on AWS.
- Design and deploy enterprise-wide scalable operations on AWS.
- Implement cost-control strategies