

# DevOps Engineer Path



## Objective

The DevOps Engineer Path is intended for both software engineers and operations engineers who want to broaden and deepen their knowledge of DevOps practices in the AWS Cloud.

Participants will progressively build a wide suite of skills for developing, deploying and monitoring applications using AWS Developer tools.

Attendees who complete this pathway will be able to demonstrate an advanced level of technical expertise building cloud-ready applications, administering CI/CD pipelines and monitoring production workloads using AWS best practices.



## Level

Experienced



## Duration

12 days

**£ 6,200**



### Systems Operations on AWS

In this course, you will learn how to create automatable and repeatable deployments of networks and systems on the AWS platform. We will explore the AWS features and tools related to, and best practices for, configuration and deployment.



### Exam Readiness: AWS Certified SysOps Administrator – Associate

The exam validates technical expertise in deployment, management, security, and operations on the AWS platform. Join this intermediate-level course to learn how to prepare for the exam by exploring the exam's topic areas and how they map to SysOps on AWS and to specific areas to study. The course reviews sample exam questions in each topic area and teaches you how to interpret the concepts being tested so that you can more easily eliminate incorrect responses.



### Exam Voucher: AWS Certified SysOps Administrator - Associate



### Developing on AWS

In this course, you will learn how to use the AWS SDK to develop secure and scalable cloud applications. We will explore how to interact with AWS using code and discuss key concepts, best practices, and troubleshooting tips.



### Exam Readiness: AWS Certified Developer – Associate

The exam validates technical expertise in developing and maintaining applications on AWS. Learn how to prepare for



the exam by exploring its topic areas, mapping them to developing on AWS, and identifying specific areas to study. You will review sample questions and learn how to interpret the concepts being tested so that you can better eliminate incorrect responses.



### Exam Voucher: AWS Certified Developer - Associate



### DevOps Engineering on AWS

In this course, you will learn the most common DevOps patterns to develop, deploy, and maintain applications on the AWS platform. We will explore the core principles of the DevOps methodology and examine a number of use cases applicable to startup, small- to medium-sized business, and enterprise development scenarios.



### Exam Readiness: AWS Certified DevOps Engineer – Professional

The exam validates technical expertise in provisioning, operating, and managing distributed application systems on AWS. In this course you will learn how to prepare for the exam by exploring the its topic areas and how they map to DevOps on AWS and to specific areas to study. We will review sample questions and teach you how to interpret concepts so that you can easily eliminate incorrect responses. This course covers the core principles of the DevOps methodology.



### Exam Voucher: AWS Certified DevOps Engineer - Professional

# DevOps Engineer Path



## Abilities Validated by the Certification

- Deploy, manage, and operate scalable, highly available, and fault-tolerant systems on AWS.
- Implement and control the flow of data to and from AWS.
- Select the appropriate AWS service based on compute, data, or security requirements.
- Identify appropriate use of AWS operational best practices
- Estimate AWS usage costs and identify operational cost control mechanisms.
- Migrate on-premises workloads to AWS.



## Abilities Validated by the Certification

- Demonstrate an understanding of core AWS services, uses, and basic AWS architecture best practices.
- Demonstrate proficiency in developing, deploying, and debugging cloud-based applications using AWS.



## Abilities Validated by the Certification

- Implement and manage continuous delivery systems and methodologies on AWS.
- Implement and automate security controls, governance processes, and compliance validation-
- Define and deploy monitoring, metrics, and logging systems on AWS.
- Implement systems that are highly available, scalable, and self-healing on the AWS platform.
- Design, manage, and maintain tools to automate operational processes.