

# AWS DevOps Engineering- Professional

## COURSE OVERVIEW

AWS DevOps Engineering training illustrates the most proven practices to use DevOps patterns to develop, deploy, and maintain applications on the highly scalable AWS platform. In the AWS DevOps course, participants will learn how to use the core principles of the DevOps methodology. Through a combination of lectures and hands-on lab exercises, participants will learn how to design and implement an infrastructure on AWS for the development of projects applicable to startup, small-medium business, and enterprise development scenarios.

## WHO SHOULD ATTEND?

The course is designed for experienced DevOps engineers, cloud architects, system administrators, and developers responsible for implementing and managing continuous delivery systems and methodologies on AWS. It is ideal for professionals with advanced knowledge of AWS services who want to enhance their skills in automation, infrastructure as code (IaC), monitoring, logging, and building scalable, resilient, and secure applications on the AWS platform. This course is also suitable for those preparing for the AWS Certified DevOps Engineer – Professional certification exam.

## COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand the fundamentals of DevOps methodology and utilize them for designing and implementing the DevOps projects.
- Use AWS Ops Works and AWS Cloud Formation to deploy the infrastructure required for a software development project.
- Use the core principles to set up Git on AWS for Continuous Integration environment.
- Work on Continuous Deployment use cases using AWS technologies, including A/B testing and blue/green deployment.
- Analyze the best fit application deployment technology for a particular scenario among the array of AWS technologies, including AWS Code Deploy, AWS Ops Works, AWS Elastic Beanstalk, and Amazon EC2 Container Service.
- Deliver and monitor the performance of your application and environment for potential issues on AWS platform.

## KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Proven DevOps practices on AWS.
- Core DevOps principles.
- How to design scalable infrastructure on AWS.
- Building and deploying apps using AWS tools.
- Applying skills to startups, SMBs, and enterprises.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded