

DevOps Engineering on AWS with AWS Jam (AWSDEVOPS-AWS-JAM)

ID AWSDEVOPS-AWS-JAM Price on request Duration 4 days

Who should attend

This course is intended for:

- DevOps engineers
- DevOps architects
- Operations engineers
- System administrators
- Developers

Prerequisites

We recommend that attendees of this course have:

- Previous attendance at the [Cloud Operations on AWS \(formerly Systems Operations\) \(AWSSYS\)](#) or [Developing on AWS \(AWSD\)](#) courses
- Working knowledge of one or more high-level programming languages, such as C#, Java, PHP, Ruby, Python
- Intermediate knowledge of administering Linux or Windows systems at the command-line level
- Two or more years of experience provisioning, operating, and managing AWS environments

Course Objectives

In this course, you will:

- Use DevOps best practices to develop, deliver, and maintain applications and services at high velocity on AWS
- List the advantages, roles and responsibilities of small autonomous DevOps teams
- Design and implement an infrastructure on AWS that supports DevOps development projects
- Leverage AWS Cloud9 to write, run and debug your code
- Deploy various environments with AWS CloudFormation
- Host secure, highly scalable, and private Git repositories with AWS CodeCommit
- Integrate Git repositories into CI/CD pipelines
- Automate build, test, and packaging code with AWS CodeBuild
- Securely store and leverage Docker images and integrate

them into your CI/CD pipelines

- Build CI/CD pipelines to deploy applications on Amazon EC2, serverless applications, and container-based applications
- Implement common deployment strategies such as all at once, rolling, and blue/green
- Integrate testing and security into CI/CD pipelines
- Monitor applications and environments using AWS tools and technologies
- Work in a team environment to solve real AWS use-case challenges in an AWS Jam

Course Content

- Course overview
- Introduction to DevOps
- Infrastructure Automation
- AWS Toolkits
- Continuous integration and continuous delivery (CI/CD) with development tools
- Introduction to Microservices
- DevOps and containers
- DevOps and serverless computing
- Deployment strategies
- Automated testing
- Security automation
- Configuration management
- Observability
- Reference architecture (Optional module)
- Course summary
- AWS Jam



Training Centres worldwide



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