AWS-DEVOPS (DEVOPS ENGINEERING ON AWS) 3.3.

Objetivo

In this course, you will: â□¢ Use DevOps best practices to develop, deliver, and maintain applications and services at high velocity on AWS. â□¢ List the advantages, roles and responsibilities of small autonomous DevOps teams. â□¢ Design and implement an infrastructure on AWS that supports DevOps development projects. â□¢ Leverage AWS Cloud9 to write, run and debug your code. â□¢ Deploy various environments with AWS CloudFormation. â□¢ Host secure, highly scalable, and private Git repositories with AWS CodeCommit. â□¢ Integrate Git repositories into CI/CD pipelines. â□¢ Automate build, test, and packaging code with AWS CodeBuild. â□¢ Securely store and leverage Docker images and integrate them into your CI/CD pipelines. â□¢ Build CI/CD pipelines to deploy applications on Amazon EC2, serverless applications, and container-based applications. â□¢ Implement common deployment strategies such as â□□all at once,â□□ â□□rolling,â□□ and â□□blue/greenâ□□. â□¢ Integrate testing and security into CI/CD pipelines. â□¢ Monitor applications and environments using AWS tools and technologies.

PÃºblico Alvo

This course is intended for: â□¢ DevOps engineers â□¢ DevOps architects â□¢ Operations engineers â□¢ System administrators â□¢ Developers

PrÃ©-Requisitos

We recommend that attendees of this course have: â□¢ Previous attendance at the Systems Operations on AWS or Developing on AWS courses â□¢ Working knowledge of one or more high-level programing languages, such as C#, Java, PHP, Ruby, Python â□¢ Intermediate knowledge of administering Linux or Windows systems at the command-line level â□¢ Two or more years of experience provisioning, operating, and managing AWS environments

Carga HorÃiria

24 horas (3 dias).

ConteÃºdo ProgramÃitico

Course outline

Day 1
- Module 0: Course overview
- Module 1: Introduction to DevOps
- Module 2: Infrastructure Automation
- Module 3: AWS Toolkits
- Module 4: Continuous integration and continuous delivery (CI/CD) with development tools

Day 2

- Module 4: Continuous integration and continuous delivery (CI/CD) with development tools
- Module 5: Introduction to Microservices
- Module 6: DevOps and containers
- Module 7: DevOps and serverless computing
- Module 8: Deployment strategies
- Module 9: Automated testing

Day 3
- Module 10: Security automation
- Module 11: Configuration management
- Module 12: Observability
- Module 13: Reference architecture (Optional module)
- Module 14: Course summary