AWS – DevOps Engineering on Amazon Web Services

Description

DevOps Engineering on Amazon Web Services AWS demonstrates how to use the most common DevOps patterns to develop, deploy and maintain applications on AWS. The course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small-medium business, and enterprise development scenarios.

Course Content

Module 1: DevOps and DevSecOps Module 2: The AWS Command Line Interface (AWS CLI) Module 3: Deployment strategies and developer tools Module 4: Infrastructure as Code (IaC) Module 5: AWS developer tools Module 6: Automated testing on AWS Module 7: Configuration management Module 8: Building AMIs and Amazon EC2 Systems Manager Module 9: Containers: Docker and Amazon ECS

Lab / Exercises

- This course allows you to test new skills and apply knowledge to your working environment through a variety of practical exercises

Documentation

- Digital courseware included

Exam

- This course prepares you to the exam: AWS Certified DevOps Engineer - Professional

Participant profiles

- System administrators
- Software developers

Prerequisites

- Working knowledge of one or more high-level programming languages (C#, Java, PHP, Ruby, Python, etc.)
- Intermediate knowledge of administering Linux or Windows systems at the command-line level
- Working experience with AWS using both the AWS Management Console and the AWS Command Line Interface (AWS CLI)

Objectives

- Use the principal concepts and practices behind the DevOps methodology
- Design and implement an infrastructure on AWS that supports one or more DevOps development projects
- Use AWS CloudFormation and AWS OpsWorks
- Set up Git on AWS and understand the array of options for enabling a Continuous Integration environment on AWS
- Use the core principles of Continuous Integration and Continuous Deployment
- Implement several common Continuous Deployment
- Distinguish between the array of application deployment technologies available on AWS
- Fine tune the applications you deliver on AWS for high performance

Niveau

Intermédiaire
Classroom Registration Price (CHF)
-2
Virtual Classroom Registration Price (CHF)
2550
Duration (in Days)
3
Reference
AWS-204