

AWS Certified DevOps Engineer Professional (Bundle)

Course#: aws-cdoep-b

Duration: 4 Days

Price: 3820.00

Course Description

This track includes :

DevOps Engineering on AWS - 3 Days

Exam Readiness: AWS Certified DevOps Engineer Professional - 1 Day

DevOps Engineering on 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 and medium-sized business, and enterprise development scenarios.

AWS Certified DevOps Engineer Professional exam validates technical expertise in provisioning, operating, and managing distributed application systems on the AWS platform. Join this full-day, advanced-level course to learn how to prepare for the exam by exploring the exams topic areas and how they map to DevOps on AWS and to specific areas to study. We will review sample exam questions in each topic area and teach you how to interpret the concepts being tested so that you can more easily eliminate incorrect responses. This course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small- and medium-sized business, and enterprise development scenarios.

Certification bundle includes:

DevOps Engineering on AWS

AWS Certification Readiness Workshop AWS Certified DevOps Engineer Professional

AWS Certified DevOps Engineer Professional Exam

Objectives

In DevOps Engineering on AWS course, you will learn how to:

- 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 to deploy the infrastructure necessary to create development, test, and production environments for a software development project
- Use AWS CodeCommit and AWS CodeBuild to understand the array of options for enabling a continuous integration (CI) environment on AWS
- Use AWS CodePipeline to design and implement a continuous integration and continuous delivery (CI/CD) pipeline on AWS
- Use AWS CodeStar to manage all software development activities in one place
- Implement several common continuous deployment (CD) use cases using AWS technologies, including blue/green deployment and A/B testing
- Distinguish between the array of application deployment technologies available on AWS, including AWS CodeDeploy, AWS OpsWorks, AWS Elastic Beanstalk, Amazon Elastic Container Service (Amazon ECS), and Amazon Elastic Container Registry (Amazon ECR), and decide which technology best fits a given scenario
- Use Amazon EC2 Systems Manager for patch management
- Leverage automated testing in different stages of a CI/CD pipeline
- Fine-tune the applications you deliver on AWS for high performance, and use AWS tools and technologies to monitor your application and environment for potential issues

Exam Readiness: AWS Certified DevOps Engineer Professional course teaches you how to:

- Prepare for the AWS Certified DevOps Engineer Professional exam.
- Implement and manage continuous delivery systems and methodologies on AWS.
- Understand, 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.

Audience

Eligible candidates for this exam have:

Achieved AWS Certified Developer Associate or AWS Certified SysOps Administrator Associate
Two or more years experience provisioning, operating, and managing AWS environments
Experience developing code in at least one high-level programming language
Experience in automation and testing via scripting/programming
Understanding of agile and other development processes and methodologies

Prerequisites

We recommend that attendees of this course have the following knowledge and experience:

A current AWS Certified Developer Associate or AWS Certified SysOps Administrator Associate certification

Good working knowledge of AWS core services

Experience working with a programming or scripting language

Familiarity with the Linux or Windows operating system and AWS command line interface

Attended Developing on AWS or System Operations on AWS course

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)

Content

DevOps Engineering on AWS teaches you:

Introduction to DevOps

AWS Command Line Interface

Introduction to DevSecOps

Deployment Strategies and Developer Tools

Infrastructure as Code

Deep Dive into Developer Tools
Automated Testing on AWS
Configuration Management
AMI Building and Amazon EC2 System Manager
Containers: Docker and ECS
DevOps Customer Case Studies

Exam Readiness: AWS Certified DevOps Engineer Professional teaches you:

Course and Exam Overview
SDLC Automation
Configuration Management and Infrastructure as Code
Monitoring and Logging
Policies and Standards Automation
Incident and Event Response
High Availability, Fault Tolerance, and Dis