DevOps Engineering on AWS

Category: Cloud Platforms | **Vendor:** Amazon Web Services

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	AWS Certified DevOps Engineer – Professional
Related Exam:	DOP-C02

Course Overview

Day 1

- What is DevOps?
- Infrastructure as Code, Part 1: Design and Security
- Infrastructure as Code, Part 2: CloudFormation and Configuration Management

Day 2

- Continuous Integration in the Cloud
- Continuous Delivery on AWS
- Deploying Applications on AWS, Part 1

Day 3

- Deploying Applications on AWS, Part
- Putting It All Together
- Performance-Tuning Your Deployments
- Administering and Automating Your Infrastructure

About This Course

Day 1

- What is DevOps?
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Day 2

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Who Should Attend

This course is intended for:

- System Administrators
- Software Developers

Prerequisites & Entry Requirements

General Prerequisites:

We recommend that attendees of this course have the following prerequisites:

- Attended Cloud Operations on AWS (formerly Systems Operations) (AWSSYS) or
- Attended Developing on AWS (AWSD)
- 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)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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-medium business, and enterprise development scenarios.

This course is designed to teach you 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
- 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 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, and Amazon EC2 Container Service), and decide which technology best fits a given scenario
- 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

Detailed Course Outline

Introduction to DevOps, Introduction to DevOps, Introduction to DevOps, Introduction to DevOps, Infrastructure automation, Infrastructure automation, Infrastructure automation, Infrastructure automation, Continuous integration and continuous delivery (CI/CD) with development tools, Continuous integration and continuous delivery (CI/CD) with development tools, Continuous

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

□□ Certification Path

AWS Certified DevOps Engineer – Professional

Exam: DOP-C02

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for DevOps Engineering on AWS?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The DevOps Engineering on AWS course helps prepare you for the AWS Certified DevOps Engineer – Professional certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the DOP-C02 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day DevOps Engineering on AWS course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the DevOps Engineering on AWS training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for DevOps Engineering on AWS?

Yes, we provide corporate training, dedicated training, and closed classes for DevOps Engineering on AWS. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: DevOps Engineering on AWS, AWS Development, AWSDEVOPS, Amazon Web Services, vILT

Q: Why choose Nexus Human for DevOps Engineering on AWS?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your DevOps Engineering on AWS training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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