Cloud Operations 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

Related Exam: AWS Certified SysOps Administrator

Course Overview

According to Amazon, millions of active customers use AWS every month—and demand is growing for professionals who can support, automate, and manage those deployments. The Cloud Operations on AWS course is designed for system administrators, operations professionals, and those seeking to become AWS Certified SysOps Administrators. Through expert-led AWS training and hands-on labs, you'll learn how to use AWS services to configure, deploy, monitor, and troubleshoot systems in the AWS cloud. This course blends theory with practice, helping you understand how to automate repeatable deployments, maintain an AWS cloud environment, and manage access to AWS resources using IAM and AWS Systems Manager.

About This Course

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Who Should Attend

This course is designed for system administrators and operators working in the AWS Cloud, as well as information technology professionals who want to deepen their knowledge of system operations and cloud infrastructure management.

Prerequisites & Entry Requirements

General Prerequisites:

- Successfully completed the AWS Technical Essentials course
- Background in either software development or systems administration
- Proficiency in maintaining operating systems at the command line, such as shell scripting in Linux environments or cmd/PowerShell in Windows
- Basic knowledge of networking protocols (TCP/IP, HTTP)

Learning Outcomes

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

This course prepares you to deploy and maintain systems on AWS with efficiency and confidence. You'll gain the skills needed to automate cloud operations, configure and monitor systems using AWS Systems Manager, and maintain an inventory of in-use AWS resources. Key topics include managing access to AWS resources using IAM, implementing repeatable deployments with AWS CloudFormation, and supporting the different phases of operational excellence through best practices and tools like Amazon VPC, Auto Scaling, and AWS Config. You'll walk away with the knowledge required to maintain an AWS cloud environment and prepare for the AWS Certified SysOps Administrator exam.

Detailed Course Outline

1 - Introduction to Cloud Operations on AWS

- Understanding Cloud Operations in the AWS environment
- Overview of the AWS Well-Architected Framework
- Using the AWS Well-Architected Tool

2 - Access Management

- Managing access with AWS Identity and Access Management (IAM)
- Working with AWS accounts, resources, and AWS Organizations

3 - System Discovery

- Interacting with AWS services through various interfaces
- Automating resource discovery with AWS tools
- Using AWS Systems Manager and AWS Config for inventory
- **Hands-On Lab:** Auditing AWS Resources with Systems Manager and AWS Config

4 - Deploy and Update Resources

- Deployment strategies in Cloud Operations
- Tagging and resource organization strategies
- Deploying with Amazon Machine Images (AMIs)
- Deploying using AWS Control Tower

5 - Automate Resource Deployment

- Automating deployments with AWS CloudFormation
- Using AWS Service Catalog for repeatable deployments
- **Hands-On Lab:** Infrastructure as Code

6 - Manage Resources

- Managing operations with AWS

, Module 2: Access Management, Module 1: Introduction to Cloud Operations on AWS, Module 3: System Discovery, Module 4: Deploy and Update Resources, Module 5: Automate Resource Deployment, Module 6: Manage Resources, Module 7: Configure Highly Available Systems, Module 8: Automate Scaling, Module 9: Monitor and Maintain System Health, Module 10: Data Security and System Auditing, Module 11: Operate Secure and Resilient Networks, Module 12: Mountable Storage, Module 13: Object Storage, Module 14: Cost Reporting, Alerts, and Optimization

Upcoming Schedule

Available training dates for Cloud Operations on AWS:

Start Date	End Date	Location	Delivery	Price
13 Jan 2027	15 Jan 2027	Online	Virtual	€2,025.00

Frequently Asked Questions

Q: What delivery options are available for Cloud Operations 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: Which exam does this course prepare me for?

This course prepares you for the AWS Certified SysOps Administrator 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 Cloud Operations 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 Cloud Operations 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 Cloud Operations on AWS?

Yes, we provide corporate training, dedicated training, and closed classes for Cloud Operations 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: Cloud Operations on AWS, Amazon Web Services, vILT

Q: Why choose Nexus Human for Cloud Operations 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 Cloud Operations on AWS training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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