AWS Certified CloudOps Engineer - Associate (Cloud Operations on AWS) Training

COURSE CONTENT

GET IN TOUCH

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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The AWS Certified CloudOps Engineer – Associate (Cloud Operations on AWS) training by Multisoft Systems is designed to help IT professionals develop strong, job-ready skills for operating and managing workloads on the AWS Cloud. This course focuses on the practical aspects of cloud operations, enabling learners to ensure high availability, performance, security, and cost efficiency of AWS environments.

Module 1: Introduction to Cloud Operations on AWS

- ✓ What is Cloud Operations?
- ✓ AWS Well-Architected Framework
- ✓ AWS Well-Architected Tool

Module 2: Access Management

- ✓ AWS Identity and Access Management (IAM)
- ✓ Resources, accounts, and AWS Organizations

Module 3: System Discovery

- ✓ Methods to interact with AWS services
- ✓ Tools for automating resource discovery
- ✓ Inventory with AWS Systems Manager and AWS Config

Module 4: Deploy and Update Resources

- ✓ Cloud Operations in deployments
- ✓ Tagging strategies
- ✓ Deployment using Amazon Machine Images (AMIs)
- ✓ Deployment using AWS Control Tower

Module 5: Automate Resource Deployment

- ✓ Deployment using AWS CloudFormation
- ✓ Deployment using AWS Service Catalog

Module 6: Manage Resources

- ✓ AWS Systems Manager

Module 7: Configure Highly Available Systems

- ✓ Distributing traffic with Elastic Load Balancing
- ✓ Amazon Route 53

Module 8: Automate Scaling

- ✓ Scaling with AWS Auto Scaling
- ✓ Scaling with Spot Instances
- ✓ Managing licenses with AWS License Manager

Module 9: Monitor and Maintain System Health

- ✓ Monitoring and maintaining healthy workloads
- ✓ Monitoring AWS infrastructure
- ✓ Monitoring applications

Module 10: Data Security and System Auditing

- ✓ Maintaining a strong identity and access foundation
- ✓ Implementing detection mechanisms
- ✓ Automating incident remediation

Module 11: Operate Secure and Resilient Networks

- ✓ Building a secure Amazon Virtual Private Cloud (Amazon VPC)
- ✓ Networking beyond the VPC

Module 12: Mountable Storage

- ✓ Configuring Amazon Elastic Block Store (Amazon EBS)
- ✓ Sizing Amazon EBS volumes for performance
- ✓ Using Amazon EBS snapshots
- ✓ Using Amazon Data Lifecycle Manager to manage your AWS resources

✓ Creating backup and data recovery plans

✓ Configuring shared file system storage

Module 13: Object Storage

✓ Deploying Amazon Simple Storage Service (Amazon S3)

✓ Managing storage lifecycles on Amazon S3

Module 14: Cost Reporting, Alerts, and Optimization

✓ Gaining AWS cost awareness

✓ Using control mechanisms for cost management

✓ Optimizing your AWS spend and usage