Information Technology

AWS Systems Operations (SysOps Administrator – Associate

Course Introduction

This five-day course is designed to equip participants with the knowledge and hands-on skills required to operate, manage, and troubleshoot systems running on AWS. The course aligns with the AWS Certified SysOps Administrator – Associate certification and is ideal for system administrators, operations personnel, and IT professionals responsible for managing cloud infrastructure.

Target Audience

- System Administrators
- - Cloud Operations Engineers
- - IT Professionals managing AWS environments
- - DevOps Engineers

Learning Objectives

- Understand the AWS platform and key operational services.
  Deploy, manage, and operate scalable, highly available, and fault-tolerant systems on AWS.
- Implement and manage security and compliance policies.
- Monitor and report on AWS resource utilization.
- Automate operational tasks using AWS tools.
- Troubleshoot operational issues and optimize performance.

Course Outline

- **DAY 01**

AWS Fundamentals & Resource Management

  - Overview of AWS core services
  - Understanding AWS CLI and SDKs
  - EC2 instances and AMIs
  - IAM roles and policies
  - Tagging and resource management

- **Day 02**

Monitoring and Reporting

  - Cloud Watch metrics and alarms
  - Logging with CloudTrail
  - Monitoring EC2, ELB, and RDS
  - Custom metrics and dashboards

- **Day 03**

Automation and Deployment

  - AWS Systems Manager overview
  - Using AWS CloudFormation for automation
  - Elastic Beanstalk basics
  - Automation using CLI and scripts

- **Day 04**

Networking and Security

  - VPC, subnets, and routing

- Security groups and NACLs
- Implementing identity and access management
- Best practices for securing AWS environments

• **Day 05**

Troubleshooting and Optimization

- Common operational issues and fixes
- Performance tuning and optimization
- Cost optimization strategies
- Exam preparation tips and mock questions

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 26, 2025	May 30, 2025	5 days	2150.00 $	Virtual - Online
June 30, 2025	July 4, 2025	5 days	4250.00 $	UAE - Dubai
Oct. 13, 2025	Oct. 17, 2025	5 days	4950.00 $	England - London