Updated on 02/05/2026

Register

AWS SysOps Administrator Associate Certification Training

3 days (21 hours)

Overview

AWS Certified SysOps Administrator - Associate is a certification for professionals responsible for operating, administering, and monitoring AWS environments.

It validates the ability to maintain reliable, available, and secure systems in production while applying cloud operational best practices.

Our AWS Certified SysOps Administrator - Associate training will enable you to master the daily administration of AWS resources, system monitoring, incident management, and performance optimization.

You will learn how to effectively leverage AWS services, automate recurring tasks, and ensure the stability of cloud environments.

The training is highly run- and operations-oriented, with a particular focus on monitoring, high availability, and security.

Like all our training courses, this one is based on the latest AWS SOA-C02 certification framework and favors a practical, progressive, and operation-oriented approach.

Objectives

- Administer and operate AWS environments in production.
- Monitor resources and manage incidents.
- Implement high availability and security.
- Automate common operational tasks.
- Effectively prepare for the SOA-C02 exam.

Target audience

- System and cloud administrators
- Beginner to intermediate cloud engineers
- DevOps focused on operations
- Profiles in charge of AWS run

Prerequisites

- Basic knowledge of AWS
- Basic understanding of systems and networks
- Initial experience in a cloud environment recommended

AWS Certified SysOps Administrator - Associate (SOA-C02) training program

[Day 1 - Morning]

Role and responsibilities of the SysOps Administrator

- Positioning of the SysOps Administrator role
- Differences between SysOps, DevOps, and Cloud Architect
- Responsibilities in an AWS production environment
- Run vision, stability, and availability
- Specific expectations for SOA-C02 certification

[Day 1 - Afternoon]

Management and operation of AWS resources

- EC2 instance administration
- Management of EBS volumes and snapshots
- Using Auto Scaling Groups
- Managing AMIs and Updates
- AWS operating best practices
- Hands-on workshop: Administration and optimization of EC2 instances.

Networks and connectivity for operations

- VPC network fundamentals
- Security Group and NACL management
- Routing, subnets, and gateways
- Troubleshooting connectivity issues
- Network diagnostics in production

[Day 2 - Morning]

Monitoring, logs, and alerting

- Supervision with CloudWatch
- Log collection and analysis
- Creating alarms and notifications
- Operational dashboards
- Proactive incident detection
- Hands-on workshop: Setting up CloudWatch alerts

High availability and incident management

- Multi-AZ architectures
- Failure and incident management
- Self-healing mechanisms
- Backups and Restores
- AWS operational procedures

Security and access management

- AWS security fundamentals
- Identity management with IAM
- Permissions best practices
- Securing AWS Resources
- Auditing and Action Traceability

Automation and maintenance of environments

- Automating recurring tasks
- Using AWS Systems Manager
- Patch and update management
- Standardization of environments
- Reduction of human error
- Hands-on workshop: Automating AWS operations tasks.

Performance and cost optimization

- Resource usage analysis

- Optimizing EC2 performance
- Introduction to Cost Explorer
- Quota and limit management
- FinOps best practices on the operations side

Preparing for the AWS SOA-C02 exam

- SysOps Administrator – Associate Exam Structure and Format
- Common question types and scenarios
- Common exam pitfalls
- Reading and analysis methodology
- Practical workshop: Mock exam + correction.

Companies concerned

This training is aimed at both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Placement at the start of training

The placement test at the start of the training course complies with Qualiopi quality criteria. Once they have finalized their registration, learners receive a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training course, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

Validation

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been correctly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training course.