

uCertify

AWS Certified SysOps Administrator - Associate (SOA- C02)



Lesson



Practice test



Live-Lab

27 Aug 2023

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- 2 Introduction to AWS
- 3 Monitoring Services in AWS
- 4 Troubleshooting and Remediation
- 5 Implementing Scalability and Elasticity
- 6 High Availability and Resilience
- 7 Backup and Restore Strategies
- 8 Provisioning Resources
- 9 Application Management
- 10 Security and Compliance
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Become an AWS-certified SysOps Administrator Associate with the AWS Certified SysOps Administrator - Associate (SOA-C02) course and lab. The lab provides a hands-on learning experience for system administrators in cloud operations. The course covers SOA-C02 exam objectives and teaches the skills required for deploying, managing, and operating workloads on AWS, monitoring, logging, and troubleshooting systems, performing business continuity and disaster recovery procedures, and so on.

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1: Introduction

- How to Prepare for the Exam?
- Taking a Certification Exam
- About This Course

2: Introduction to AWS

- What is Cloud Computing?
- The AWS Cloud
- Six Benefits of the AWS Cloud
- AWS Services Overview

3: Monitoring Services in AWS

- Metering, Monitoring, and Alerting
- CloudWatch
- CloudTrail

4: Troubleshooting and Remediation

- Responding to Alarms
- Amazon EventBridge
- AWS Config

5: Implementing Scalability and Elasticity

- Scaling in the Cloud
- Caching
- Read Replicas

6: High Availability and Resilience

- Availability Zones in AWS
- High Availability with Elastic Load Balancers and Route 53
- Highly Available Datastores
- Highly Available Databases

7: Backup and Restore Strategies

- Backup in the Cloud
- S3 as a Backup Service

8: Provisioning Resources

- Deployment Tools in AWS

9: Application Management

- Lifecycle Management

- Patching

10: Security and Compliance

- Account Management

11: Data Protection at Rest and in Transit

- Protecting Data

12: Networking and Connectivity

- The VPC
- VPC Connectivity
- VPC Security
- AWS Network Firewall
- VPC Endpoints
- VPC Peering
- VPC
- Direct Connect
- AWS WAF

- AWS Shield

13: Domains, DNS, and Content Delivery

- Route 53
- Route 53 Routing Policies
- S3 Static Website Hosting
- Amazon CloudFront
- S3 Origin Access Identity

14: Troubleshoot Network Connectivity

- VPC Flow Logs
- ELB Access Logs
- AWS WAF ACL Logs
- CloudFront Logs
- CloudFront Caching Issues
- Troubleshooting Hybrid and Private Links

15: Cost Optimization Strategies

- Operational Optimization

16: Performance Optimization

- Optimizing for Performance

17: Appendix: Videos

- Module 1: AWS SysOps Exam Basics
- Module 2: Monitoring, Logging and Retention
- Module 3: Reliability and Business Continuity
- Module 4: Deployment, Provisioning and Automation
- Module 5: Security and Compliance
- Module 6: Networking and Content Delivery
- Module 7: Cost and Performance Optimization

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VIDEOS

09:28

HOURS

12

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PRE-ASSESSMENTS
QUESTIONS

2

FULL LENGTH TESTS

50

POST-ASSESSMENTS
QUESTIONS

13 Live Labs

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Monitoring Services in AWS

- Creating a CloudWatch Dashboard and Adding a Metric to it
- Creating CloudTrail

Troubleshooting and Remediation

- Creating Amazon EventBridge Rules that React to Events

Implementing Scalability and Elasticity

- Creating an Auto Scaling Group
- Using ElastiCache

High Availability and Resilience

- Assigning an Elastic IP Address to an EC2 Instance
- Creating an Elastic Load Balancer
- Creating an Amazon S3 Glacier Vault
- Enabling Versioning in the Amazon S3 Bucket
- Creating an Amazon S3 Bucket
- Creating an Amazon DynamoDB Table

Backup and Restore Strategies

- Creating an AWS Backup
- Creating a Snapshot

Provisioning Resources

- Creating and Deleting a Resource Share
- Creating an Application in Elastic Beanstalk
- Creating a CloudFormation Template
- Using the AWS Command Line Interface

Security and Compliance

- Configuring a Key
- Configuring an IAM Role
- Creating an IAM Group
- Creating an IAM User

Data Protection at Rest and in Transit

- Enabling and Disabling GuardDuty

Networking and Connectivity

- Creating an Elastic Network Interface
- Creating an Internet Gateway
- Allocating an Elastic IP Address
- Creating a VPC
- Creating a NAT Gateway
- Configuring a Route Table
- Creating a Subnet
- Creating a Security Group
- Creating a Network ACL
- Creating a Gateway Endpoint
- Creating a VPC Endpoint
- Creating a VPC Peering

Domains, DNS, and Content Delivery

- Creating a Hosted Zone Using Amazon Route 53
- Creating a Health Check
- Creating an Amazon CloudFront Web Distribution

Troubleshoot Network Connectivity

- Creating VPC Flow Logs
- Creating an AWS WAF Web ACL

Performance Optimization

- Creating a Placement Group
- Creating an Encrypted Amazon EBS Volume with a Cold HDD
- Creating a Linux Instance

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LIVE LABS

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VIDEO TUTORIALS

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HOURS

14 



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