

SOA-C01

AWS SysOps Administrator Associate

Exam Summary – Syllabus –Questions

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Introduction to SOA-C01 Exam on AWS SysOps Administrator Associate

The AWS SOA-C01 exam preparation guide is designed to provide candidates with necessary information about the AWS-SysOps exam. It includes exam summary, sample questions, practice test, objectives and ways to interpret the exam objectives to enable candidates to assess the types of questions-answers that may be asked during the AWS Certified SysOps Administrator - Associate exam.

It is recommended for all the candidates to refer the SOA-C01 objectives and sample questions provided in this preparation guide. The AWS-SysOps certification is mainly targeted to the candidates who want to build their career in Operations domain and demonstrate their expertise. We suggest you to use practice exam listed in this cert guide to get used to with exam environment and identify the knowledge areas where you need more work prior to taking the actual AWS SysOps Administrator Associate exam.

AWS SOA-C01 Certification Details:

Exam Name	AWS SysOps Administrator Associate (AWS-SysOps)
Exam Code	SOA-C01
Exam Price	\$150 USD
Duration	130 minutes
Number of Questions	65
Passing Score	720 / 1000
Recommended Training / Books	Systems Operations on AWS
Schedule Exam	AWS Certification
Sample Questions	AWS SOA-C01 Sample Questions
Recommended Practice	AWS Certified SysOps Administrator - Associate Practice Test

AWS SOA-C01 Exam Syllabus:

Section	Objectives	Weight
Monitoring and Reporting	<ul style="list-style-type: none">- Create and maintain metrics and alarms utilizing AWS monitoring services- Recognize and differentiate performance and availability metrics- Perform the steps necessary to remediate based on performance and availability metrics	22%
High Availability	<ul style="list-style-type: none">- Implement scalability and elasticity based on use case- Recognize and differentiate highly available and resilient environments on AWS	8%
Deployment and Provisioning	<ul style="list-style-type: none">- Identify and execute steps required to provision cloud resources- Identify and remediate deployment issues	14%
Storage and Data Management	<ul style="list-style-type: none">- Create and manage data retention- Identify and implement data protection, encryption, and capacity planning needs	12%
Security and Compliance	<ul style="list-style-type: none">- Implement and manage security policies on AWS- Implement access controls when using AWS- Differentiate between the roles and responsibility within the shared responsibility model	18%
Networking	<ul style="list-style-type: none">- Apply AWS networking features- Implement connectivity services of AWS- Gather and interpret relevant information for network troubleshooting	14%
Automation and Optimization	<ul style="list-style-type: none">- Use AWS services and features to manage and assess resource utilization- Employ cost-optimization strategies for efficient resource utilization- Automate manual or repeatable process to minimize management overhead	12%

SOA-C01 Sample Questions:

01. You run a web application where web servers on EC2 Instances are In an Auto Scaling group Monitoring over the last 6 months shows that 6 web servers are necessary to handle the minimum load During the day up to 12 servers are needed Five to six days per year, the number of web servers required might go up to 15.

What would you recommend to minimize costs while being able to provide high availability?

- a) 6 Reserved instances (heavy utilization). 6 Reserved instances (medium utilization), rest covered by On-Demand instances**
- b) 6 Reserved instances (heavy utilization). 6 On-Demand instances, rest covered by Spot Instances**
- c) 6 Reserved instances (heavy utilization) 6 Spot instances, rest covered by On-Demand instances**
- d) 6 Reserved instances (heavy utilization) 6 Reserved instances (medium utilization) rest covered by Spot instances**

02. A customer has a web application that uses cookie Based sessions to track logged in users It Is deployed on AWS using ELB and Auto Scaling The customer observes that when load increases.

Auto Scaling launches new Instances but the load on the existing Instances does not decrease, causing all existing users to have a sluggish experience. Which two answer choices independently describe a behavior that could be the cause of the sluggish user experience?

(Choose 2 answers)

- a) ELB's normal behavior sends requests from the same user to the same backend instance**
- b) ELB's behavior when sticky sessions are enabled causes ELB to send requests in the same session to the same backend instance**
- c) A faulty browser is not honoring the TTL of the ELB DNS name.**
- d) The web application uses long polling such as comet or websockets. Thereby keeping a connection open to a web server for a long time**
- e) The web application uses long polling such as comet or websockets. Thereby keeping a connection open to a web server for a long time.**

03. Which of the below mentioned AWS RDS logs cannot be viewed from the console for MySQL?

- a) Error Log**
- b) Slow Query Log**
- c) Transaction Log**
- d) General Log**

04. A user has a refrigerator plant. The user is measuring the temperature of the plant every 15 minutes. If the user wants to send the data to Cloud Watch to view the data visually, which of the below mentioned statements is true with respect to the information given above?

- a) The user needs to use AWS CLI or API to upload the data
- b) The user can use the AWS Import Export facility to import data to CloudWatch
- c) The user will upload data from the AWS console
- d) The user cannot upload data to CloudWatch since it is not an AWS service metric

05. Your organization's security policy requires that all privileged users either use frequently rotated passwords or one-time access credentials in addition to username/password.

Which two of the following options would allow an organization to enforce this policy for AWS users?

(Choose 2 answers)

- a) Configure multi-factor authentication for privileged IAM users
- b) Create IAM users for privileged accounts
- c) Implement identity federation between your organization's Identity provider leveraging the IAM Security Token Service
- d) Enable the IAM single-use password policy option for privileged users

06. What are characteristics of Amazon S3?

(Choose 2 answers)

- a) Objects are directly accessible via a URL
- b) S3 should be used to host a relational database
- c) S3 allows you to store objects of virtually unlimited size
- d) S3 allows you to store virtually unlimited amounts of data
- e) S3 offers Provisioned IOPS

07. A user has created a VPC with CIDR 20.0.0.0/16. The user has created public and VPN only subnets along with hardware VPN access to connect to the user's datacenter.

The user wants to make so that all traffic coming to the public subnet follows the organization's proxy policy. How can the user make this happen?

- a) Setting up a NAT with the proxy protocol and configure that the public subnet receives traffic from NAT
- b) Setting up a proxy policy in the internet gateway connected with the public subnet
- c) It is not possible to setup the proxy policy for a public subnet
- d) Setting the route table and security group of the public subnet which receives traffic from a virtual private gateway

08. You have a web-style application with a stateless but CPU and memory-intensive web tier running on a cc2 8xlarge EC2 instance inside of a VPC. The instance when under load is having problems returning requests within the SLA as defined by your business.

The application maintains its state in a DynamoDB table, but the data tier is properly provisioned and responses are consistently fast. How can you best resolve the issue of the application responses not meeting your SLA?

- a) Add another cc2 8xlarge application instance, and put both behind an Elastic Load Balancer
- b) Move the cc2 8xlarge to the same Availability Zone as the DynamoDB table
- c) Cache the database responses in ElastiCache for more rapid access
- d) Move the database from DynamoDB to RDS MySQL in scale-out read-replica configuration

09. A sys admin has enabled a log on ELB. Which of the below mentioned activities are not captured by the log?

- a) Response processing time
- b) Front end processing time
- c) Backend processing time
- d) Request processing time

10. An organization is trying to create various IAM users. Which of the below mentioned options is not a valid IAM username?

- a) John.cloud
- b) john@cloud
- c) John=cloud
- d) john#cloud

Answers to SOA-C01 Exam Questions:

Question: 01 Answer: a	Question: 02 Answer: b, d	Question: 03 Answer: c	Question: 04 Answer: a	Question: 05 Answer: a, b
Question: 06 Answer: a, d	Question: 07 Answer: d	Question: 08 Answer: a	Question: 09 Answer: b	Question: 10 Answer: d

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@vmexam.com