# SOA-C01<sup>Q&As</sup>

AWS Certified SysOps Administrator - Associate (SOA-C01)

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**QUESTION 1**

A SysOps Administrator is notified that an Amazon EC2 instance has stopped responding. The AWS Management Console indicates that the system checks are failing.

What should the SysOps Administrator do first to resolve this issue?

A. Reboot the EC2 instance so it can be launched on a new host.

B. Stop and then start the EC2 instance so that it can be launched on a new host.

C. Terminate the EC2 instance and relaunch it.

D. View the AWS CloudTrail log to investigate what changed on the EC2 instance.

Correct Answer: B

Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstances.html

**QUESTION 2**

Which services allow the customer to retain full administrative privileges of the underlying EC2 instances? (Choose two.)

A. Amazon Elastic Map Reduce

B. Elastic Load Balancing

C. AWS Elastic Beanstalk

D. Amazon Elasticache

E. Amazon Relational Database service

Correct Answer: AC

Only the below services provide Root level access

-EC2

-

Elastic Beanstalk

-

Elastic MapReduce – Master Node

-Opswork

**QUESTION 3**

An application is running on Amazon EC2 instances behind an Application Load Balancer (ALB). The instances are configured in an Amazon EC2 Auto Scaling group. A SysOps Administrator must configure the application to scale based on the number of incoming requests.

Which solution accomplishes this with the LEAST amount of effort?

A. Use a simple scaling policy based on a custom metric that measures the average active requests of all EC2 instances

B. Use a simple scaling policy based on the Auto Scaling group GroupDesiredCapacitymetric

C. Use a target tracking scaling policy based on the ALB\\'s ActiveConnectionCountmetric

D. Use a target tracking scaling policy based on the ALB\\'s RequestCountPerTargetmetric

Correct Answer: A

**QUESTION 4**

A SysOps administrator is implementing automated I/O load performance testing as part of lite continuous integraliorVcontinuous delivery (CI\\'CD) process for an application The application uses an Amazon Elastic Block Store (Amazon E8S) Provisioned IOPS volume for each instance that is restored from a snapshot and requires consistent I/O performance. During the initial tests, the I/O performance results are sporadic. The SysOps administrator must ensure that the tests yield more consistent results. Which actions could the SysOps administrator take to accomplish this goal? (Select TWO.)

A. Restore the EBS volume from the snapshot with fast snapshot restore enabled

B. Restore the EBS volume from the snapshot using the cold HDD volume type.

C. Restore the EBS volume from the snapshot and pre-warm the volume by reading all of the blocks.

D. Restore the EBS volume from the snapshot and configure encryption.

E. Restore the EBS volume from the snapshot and configure I/O block sizes at random

Correct Answer: AB

**QUESTION 5**

An application accesses data through a file system interface. The application runs on Amazon EC2 instances in multiple Availability Zones, all of which must share the same data. While the amount of data is currently small, the company anticipates that it will grow to tens of terabytes over the lifetime of the application.

What is the MOST scalable storage solution to fulfill the requirement?

A. Connect a large Amazon EBS volume to multiple instances and schedule snapshots.

B. Deploy Amazon EFS is in the VPC and create mount targets in multiple subnets.

C. Launch an EC2 instance and share data using SMB/CIFS or NFS.

D. Deploy an AWS Storage Gateway cached volume on Amazon EC2.

Correct Answer: D

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