

# Quiz 2026 Marvelous SAA-C03: Answers AWS Certified Solutions Architect - Associate Real Questions

## AWS Certified Solutions Architect – Associate SAA-C03 Exam Questions and Answers

### Exam Question 1

A company is migrating from an on-premises infrastructure to the AWS Cloud. One of the company's applications stores files on a Windows file server farm that uses Distributed File System Replication (DFSR) to keep data in sync. A solutions architect needs to replace the file server farm.

Which service should the solutions architect use?

- A. Amazon EFS
- B. Amazon FSx
- C. Amazon S3
- D. AWS Storage Gateway

### Correct Answer

- B. Amazon FSx

### Exam Question 2

A company has a legacy application that processes data in two parts. The second part of the process takes longer than the first, so the company has decided to rewrite the application as two microservices running on Amazon ECS that can scale independently.

How should a solutions architect integrate the microservices?

- A. Implement code in microservice 1 to send data to an Amazon S3 bucket. Use S3 event notifications to invoke microservice 2.
- B. Implement code in microservice 1 to publish data to an Amazon SNS topic. Implement code in microservice 2 to subscribe to this topic.
- C. Implement code in microservice 1 to send data to Amazon Kinesis Data Firehose. Implement code in microservice 2 to read from Kinesis Data Firehose.
- D. Implement code in microservice 1 to send data to an Amazon SQS queue. Implement code in microservice 2 to process messages from the queue.

### Correct Answer

- C. Implement code in microservice 1 to send data to Amazon Kinesis Data Firehose. Implement code in microservice 2 to read from Kinesis Data Firehose.

### Exam Question 3

A company captures clickstream data from multiple websites and analyzes it using batch processing. The data is loaded nightly into Amazon Redshift and is consumed by business

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Amazon SAA-C03 exam covers a wide range of topics, including AWS architecture, design principles, deployment, management, and operations. Candidates will be tested on their ability to use AWS services to build and deploy scalable and highly available systems, as well as their ability to design and implement secure and resilient applications on AWS. SAA-C03 Exam consists of multiple-choice and multiple-response questions, and candidates will have 130 minutes to complete it.

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for the final Amazon exam.

## Amazon AWS Certified Solutions Architect - Associate Sample Questions (Q704-Q709):

### NEW QUESTION # 704

A company is running a legacy system on an Amazon EC2 instance. The application code cannot be modified, and the system cannot run on more than one instance. A solutions architect must design a resilient solution that can improve the recovery time for the system.

What should the solutions architect recommend to meet these requirements?

- A. Launch the EC2 instance with two Amazon Elastic Block Store (Amazon EBS) volumes that use RAID configurations for storage redundancy.
- B. **Create an Amazon CloudWatch alarm to recover the EC2 instance in case of failure.**
- C. Enable termination protection for the EC2 instance.
- D. Configure the EC2 instance for Multi-AZ deployment.

### Answer: B

Explanation:

To design a resilient solution that can improve the recovery time for the system, a solutions architect should recommend creating an Amazon CloudWatch alarm to recover the EC2 instance in case of failure. This solution has the following benefits:

It allows the EC2 instance to be automatically recovered when a system status check failure occurs, such as loss of network connectivity, loss of system power, software issues on the physical host, or hardware issues on the physical host that impact network reachability<sup>1</sup>.

It preserves the instance ID, private IP addresses, Elastic IP addresses, and all instance metadata of the original instance. A recovered instance is identical to the original instance, except for any data that is in-memory, which is lost during the recovery process<sup>1</sup>.

It does not require any modification of the application code or the EC2 instance configuration. The solutions architect can create a CloudWatch alarm using the AWS Management Console, the AWS CLI, or the CloudWatch API<sup>2</sup>.

Reference:

1: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recover.html>

2: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recover.html#ec2-instance-recover-create-alarm>

### NEW QUESTION # 705

[Design Secure Architectures]

How can a company detect and notify security teams about PII in S3 buckets?

- A. Use Amazon GuardDuty. Create an EventBridge rule for CRITICAL findings and send an SNS notification.
- B. Use Amazon Macie. Create an EventBridge rule for SensitiveDataS3Object/Personal findings and send an SQS notification.
- C. **Use Amazon Macie. Create an EventBridge rule for SensitiveData findings and send an SNS notification.**
- D. Use Amazon GuardDuty. Create an EventBridge rule for CRITICAL findings and send an SQS notification.

### Answer: C

Explanation:

Amazon Macie is purpose-built for detecting PII in S3.

Option A uses EventBridge to filter SensitiveData findings and notify via SNS, meeting the requirements.

Options B and D involve GuardDuty, which is not designed for PII detection.

Option C uses SQS, which is less suitable for immediate notifications.

### NEW QUESTION # 706

An social media company has workloads that collect and process data. The workloads store the data in on-premises NFS storage. The data store cannot scale fast enough to meet the company's expanding business needs. The company wants to migrate the current data store to AWS. Which solution will meet these requirements MOST cost-effectively?

- A. Use the Amazon Elastic File System (Amazon EFS) Standard-Infrequent Access (Standard-IA) storage class. Activate the

- infrequent access lifecycle policy
- B. Set up an AWS Storage Gateway Volume Gateway Use an Amazon S3 Lifecycle policy to transition the data to the appropriate storage class
- C. Use the Amazon Elastic File System (Amazon EFS) One Zone-Infrequent Access (One Zone-IA) storage class Activate the infrequent access lifecycle policy
- D. Set up an AWS Storage Gateway Amazon S3 File Gateway Use an Amazon S3 Lifecycle policy to transition the data to the appropriate storage class

**Answer: D**

Explanation:

This solution meets the requirements most cost-effectively because it enables the company to migrate its on-premises NFS data store to AWS without changing the existing applications or workflows. AWS Storage Gateway is a hybrid cloud storage service that provides seamless and secure integration between on-premises and AWS storage. Amazon S3 File Gateway is a type of AWS Storage Gateway that provides a file interface to Amazon S3, with local caching for low-latency access. By setting up an Amazon S3 File Gateway, the company can store and retrieve files as objects in Amazon S3 using standard file protocols such as NFS. The company can also use an Amazon S3 Lifecycle policy to automatically transition the data to the appropriate storage class based on the frequency of access and the cost of storage. For example, the company can use S3 Standard for frequently accessed data, S3 Standard-Infrequent Access (S3 Standard-IA) or S3 One Zone-Infrequent Access (S3 One Zone-IA) for less frequently accessed data, and S3 Glacier or S3 Glacier Deep Archive for long-term archival data.

Option A is not a valid solution because AWS Storage Gateway Volume Gateway is a type of AWS Storage Gateway that provides a block interface to Amazon S3, with local caching for low-latency access. Volume Gateway is not suitable for migrating an NFS data store, as it requires attaching the volumes to EC2 instances or on-premises servers using the iSCSI protocol. Option C is not a valid solution because Amazon Elastic File System (Amazon EFS) is a fully managed elastic NFS file system that is designed for workloads that require high availability, scalability, and performance. Amazon EFS Standard-Infrequent Access (Standard-IA) is a storage class within Amazon EFS that is optimized for infrequently accessed files, with a lower price per GB and a higher price per access. Using Amazon EFS Standard-IA for migrating an NFS data store would not be cost-effective, as it would incur higher access charges and require additional configuration to enable lifecycle management. Option D is not a valid solution because Amazon EFS One Zone-Infrequent Access (One Zone-IA) is a storage class within Amazon EFS that is optimized for infrequently accessed files that do not require the availability and durability of Amazon EFS Standard or Standard-IA. Amazon EFS One Zone-IA stores data in a single Availability Zone, which reduces the cost by 47% compared to Amazon EFS Standard-IA, but also increases the risk of data loss in the event of an Availability Zone failure. Using Amazon EFS One Zone-IA for migrating an NFS data store would not be cost-effective, as it would incur higher access charges and require additional configuration to enable lifecycle management. It would also compromise the availability and durability of the data.

Reference:

[AWS Storage Gateway - Amazon Web Services](#)

[Amazon S3 File Gateway - AWS Storage Gateway](#)

[Object Lifecycle Management - Amazon Simple Storage Service](#)

[\[AWS Storage Gateway Volume Gateway - AWS Storage Gateway\]](#)

[\[Amazon Elastic File System - Amazon Web Services\]](#)

[\[Using EFS storage classes - Amazon Elastic File System\]](#)

**NEW QUESTION # 707**

[Design High-Performing Architectures]

A company has an application that runs on several Amazon EC2 instances. Each EC2 instance has multiple Amazon Elastic Block Store (Amazon EBS) data volumes attached to it. The application's EC2 instance configuration and data need to be backed up nightly. The application also needs to be recoverable in a different AWS Region. Which solution will meet these requirements in the MOST operationally efficient way?

- A. Write an AWS Lambda function that schedules nightly snapshots of the application's EBS volumes and copies the snapshots to a different Region
- B. Write an AWS Lambda function that schedules nightly snapshots of the application's EBS volumes and copies the snapshots to a different Availability Zone
- C. Create a backup plan by using AWS Backup to perform nightly backups. Copy the backups to another Region. Add the application's EC2 instances as resources
- D. Create a backup plan by using AWS Backup to perform nightly backups. Copy the backups to another Region. Add the application's EBS volumes as resources

**Answer: C**

#### Explanation:

The most operationally efficient solution to meet these requirements would be to create a backup plan by using AWS Backup to perform nightly backups and copying the backups to another Region. Adding the application's EBS volumes as resources will ensure that the application's EC2 instance configuration and data are backed up, and copying the backups to another Region will ensure that the application is recoverable in a different AWS Region.

#### NEW QUESTION # 708

A company hosts a database that runs on an Amazon RDS instance deployed to multiple Availability Zones. A periodic script negatively affects a critical application by querying the database. How can application performance be improved with minimal costs?

- A. Use Amazon ElastiCache to cache the common queries the script runs.
- B. Add functionality to the script to identify the instance with the fewest active connections and query that instance.
- **C. Create a read replica of the database. Configure the script to query only the read replica.**
- D. Instruct the development team to manually export new entries at the end of the day.

#### Answer: C

#### Explanation:

- \* Option A introduces complexity and does not scale well.
- \* Option B creates a read replica, offloading read traffic from the primary RDS instance without impacting the critical application.
- \* Option C is manual and inefficient.
- \* Option D might help for caching frequently queried data but is not ideal for ad-hoc reporting.

Therefore, Option B is the best choice.

#### NEW QUESTION # 709

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