

# AWS-Solutions-Associate Test Answers & New AWS-Solutions-Associate Test Preparation

## AWS Certified Solutions Architect Associate Practice Test 1 Questions And Answers

An AWS Organization has an OU with multiple member accounts in it. The company needs to restrict the ability to launch only specific Amazon EC2 instance types. How can this policy be applied across the accounts with the least effort? ☒ Create an SCP with a deny rule that denies all but the specific instance types

A company hosts a multiplayer game on AWS. The application uses Amazon EC2 instances in a single Availability Zone and users connect over Layer 4. Solutions Architect has been tasked with making the architecture highly available and also more cost-effective.

How can the solutions architect best meet these requirements? (Select TWO.) ☒ 1) Configure a Network Load Balancer in front of the EC2 instances

2) Configure an Auto Scaling group to add or remove instances in multiple Availability Zones automatically

Storage capacity has become an issue for a company that runs application servers on-premises. The servers are connected to a combination of block storage and NFS storage solutions. The company requires a solution that supports local caching without re-architecting its existing applications.

Which combination of changes can the company make to meet these requirements? (Select TWO.) ☒ 1) Use an AWS Storage Gateway file gateway to replace the NFS storage

2) Use an AWS Storage Gateway volume gateway to replace the block storage

A company runs an application on an Amazon EC2 instance that requires 250 GB of storage space. The application is not used often and has small spikes in usage on weekday mornings and afternoons. The disk I/O can vary with peaks hitting a maximum of 3,000 IOPS. A Solutions Architect must recommend the most cost-effective storage solution that delivers the performance required.

Which configuration should the Solutions Architect recommend?

Which solution should the solutions architect recommend? ☒ Amazon EBS General Purpose SSD (gp2)

A company is working with a strategic partner that has an application that must be able to send messages to one of the company's Amazon SQS queues. The partner company has its own AWS account.

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The AWS-Solutions-Associate exam is designed to test the candidate's knowledge of AWS core services, including compute, storage, database, and networking. It also covers ancillary services such as security, monitoring, and automation. AWS-Solutions-Associate Exam consists of 65 multiple-choice and multiple-response questions, which are designed to test the candidate's understanding of AWS services, their interrelationships, and best practices for their use.

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## Understanding functional and technical aspects of AWS Solutions Architect Associate Exam

The following will be discussed in the **AMAZON AWS-SOLUTIONS-ARCHITECT-ASSOCIATE exam dumps**:

- Ability to identify and define technical requirements for an AWS-based application
- Hands-on experience using compute, networking, storage, and database AWS services
- An understanding of the AWS global infrastructure
- Define a solution using architectural design principles based on customer requirements
- An understanding of security features and tools that AWS provides and how they relate to traditional services
- Provide implementation guidance based on best practices to the organization throughout the life cycle of the project

The AWS Certified Solutions Architect - Associate (SAA-C02) certification exam is a highly sought-after certification by individuals and organizations alike. AWS-Solutions-Associate Exam is designed to test the knowledge and skills of candidates in designing and deploying scalable, highly available, and fault-tolerant systems on the Amazon Web Services (AWS) platform.

## Amazon AWS Certified Solutions Architect - Associate (SAA-C03) Sample Questions (Q36-Q41):

### NEW QUESTION # 36

A social media company runs its application on Amazon EC2 instances behind an Application Load Balancer (ALB). The ALB is the origin for an Amazon CloudFront distribution. The application has more than a billion images stored in an Amazon S3 bucket and processes thousands of images each second. The company wants to resize the images dynamically and serve appropriate formats to clients.

Which solution will meet these requirements with the LEAST operational overhead?

- **A. Use a Lambda@Edge function with an external image management library. Associate the Lambda@Edge function with the CloudFront behaviors that serve the images.**
- B. Create a CloudFront response headers policy. Use the policy to automatically resize images and to serve the appropriate format based on the User-Agent HTTP header in the request.
- C. Create a CloudFront origin request policy. Use the policy to automatically resize images and to serve the appropriate format based on the User-Agent HTTP header in the request.
- D. Install an external image management library on an EC2 instance. Use the image management library to process the images.

**Answer: A**

Explanation:

Explanation

Lambda@Edge is a service that allows you to run Lambda functions at CloudFront edge locations. It can be used to modify requests and responses that flow through CloudFront. CloudFront origin request policy is a policy that controls the values (URL query strings, HTTP headers, and cookies) that are included in requests that CloudFront sends to the origin. It can be used to collect additional information at the origin or to customize the origin response. CloudFront response headers policy is a policy that specifies the HTTP headers that CloudFront removes or adds in responses that it sends to viewers. It can be used to add security or custom headers to responses.

Based on these definitions, the solution that will meet the requirements with the least operational overhead is:

Use a Lambda@Edge function with an external image management library. Associate the Lambda@Edge function with the CloudFront behaviors that serve the images.

This solution would allow the application to use a Lambda@Edge function to resize the images dynamically and serve appropriate formats to clients based on the User-Agent HTTP header in the request. The Lambda@Edge function would run at the edge locations, reducing latency and load on the origin. The application code would only need to include an external image management library that can perform image manipulation tasks<sup>1</sup>.

### NEW QUESTION # 37

A solutions architect has created a new AWS account and must secure AWS account root user access. Which combination of actions will accomplish this? (Choose two.)

- **A. Ensure the root user uses a strong password.**
- B. Add the root user to a group containing administrative permissions.
- **C. Enable multi-factor authentication to the root user.**
- D. Apply the required permissions to the root user with an inline policy document.
- E. Store root user access keys in an encrypted Amazon S3 bucket.

**Answer: A,C**

Explanation:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/access\\_policies.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html)

<https://docs.aws.amazon.com/accounts/latest/reference/best-practices-root-user.html> \* Enable AWS multi-factor authentication (MFA) on your AWS account root user. For more information, see Using multi-factor authentication (MFA) in AWS in the IAM User Guide. \* Never share your AWS account root user password or access keys with anyone. \* Use a strong password to help protect access to the AWS Management Console.

For information about managing your AWS account root user password, see Changing the password for the root user.

### NEW QUESTION # 38

A manufacturing company wants to implement predictive maintenance on its machinery equipment. The company will install thousands of IoT sensors that will send data to AWS in real time. A solutions architect is tasked with implementing a solution that will receive events in an ordered manner for each machinery asset and ensure that data is saved for further processing at a later time. Which solution would be MOST efficient?

- A. Use Amazon Kinesis Data Streams for real-time events with a shard for each equipment asset. Use Amazon Kinesis Data Firehose to save data to Amazon EBS.
- B. Use an Amazon SQS FIFO queue for real-time events with one queue for each equipment asset. Trigger an AWS Lambda function for the SQS queue to save data to Amazon EFS.
- C. Use an Amazon SQS standard queue for real-time events with one queue for each equipment asset. Trigger an AWS Lambda function from the SQS queue to save data to Amazon S3.
- **D. Use Amazon Kinesis Data Streams for real-time events with a partition for each equipment asset. Use Amazon Kinesis Data Firehose to save data to Amazon S3.**

**Answer: D**

### NEW QUESTION # 39

A bucket owner has allowed another account's IAM users to upload or access objects in his bucket. The IAM user of Account A is trying to access an object created by the IAM user of account B. What will happen in this scenario?

- **A. AWS S3 will verify proper rights given by the owner of Account A, the bucket owner as well as by the IAM user B to the object.**
- B. It is not possible to give permission to multiple IAM users.
- C. It is not possible that the IAM user of one account accesses objects of the other IAM user.
- D. The bucket policy may not be created as S3 will give error due to conflict of Access Rights.

**Answer: A**

Explanation:

If a IAM user is trying to perform some action on an object belonging to another AWS user's bucket, S3 will verify whether the owner of the IAM user has given sufficient permission to him. It also verifies the policy for the bucket as well as the policy defined by the object owner.

Reference:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-auth-workflow-object-operation.html>

### NEW QUESTION # 40

A customer implemented AWS Storage Gateway with a gateway-cached volume at their main office. An event takes the link

