

➤ **Vendor:** Amazon

➤ **Exam Code:** SAA-C02

➤ **Exam Name:** AWS Certified Solutions Architect - Associate (SAA-C02)
Exam

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QUESTION 163

A solutions architect has configured the following IAM policy.

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "lambda:*"
      ],
      "Resource": "*"
    },
    {
      "Effect": "Deny",
      "Action": [
        "lambda:CreateFunction",
        "lambda:DeleteFunction"
      ],
      "Resource": "*",
      "Condition": {
        "IpAddress": {
          "aws:SourceIp": "220.100.16.0/20"
        }
      }
    }
  ]
}
```

Which action will be allowed by the policy?

- A. An AWS Lambda function can be deleted from any network.
- B. An AWS Lambda function can be created from any network.
- C. An AWS Lambda function can be deleted from the 100.220.0.0/20 network.

Answer: C

QUESTION 164

A website runs a web application that receives a burst of traffic each day at noon. The users upload new pictures and

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content daily, but have been complaining of timeouts. The architecture uses Amazon EC2 Auto Scaling groups, and the custom application consistently takes 1 minute to initiate upon boot up before responding to user requests. How should a solutions architect redesign the architecture to better respond to changing traffic?

- A. Configure a Network Load Balancer with a slow start configuration.
- B. Configure AWS ElastiCache for Redis to offload direct requests to the servers.
- C. Configure an Auto Scaling step scaling policy with an instance warmup condition.
- D. Configure Amazon CloudFront to use an Application Load Balancer as the origin.

Answer: A

QUESTION 165

A company has a website running on Amazon EC2 instances across two Availability Zones. The company is expecting spikes in traffic on specific holidays, and wants to provide a consistent user experience. How can a solutions architect meet this requirement?

- A. Use step scaling.
- B. Use simple scaling.
- C. Use lifecycle hooks.
- D. Use scheduled scaling.

Answer: D

QUESTION 166

A company's web application is running on Amazon EC2 instances behind an Application Load Balancer. The company recently changed its policy, which now requires the application to be accessed from one specific country only. Which configuration will meet this requirement?

- A. Configure the security group for the EC2 instances.
- B. Configure the security group on the Application Load Balancer.
- C. Configure AWS WAF on the Application Load Balancer in a VPC.
- D. Configure the network ACL for the subnet that contains the EC2 instances.

Answer: A

QUESTION 167

A company has 150 TB of archived image data stored on-premises that needs to be moved to the AWS Cloud within the next month. The company's current network connection allows up to 100 Mbps uploads for this purpose during the night only.

What is the MOST cost-effective mechanism to move this data and meet the migration deadline?

- A. Use AWS Snowmobile to ship the data to AWS.
- B. Order multiple AWS Snowball devices to ship the data to AWS.
- C. Enable Amazon S3 Transfer Acceleration and securely upload the data.
- D. Create an Amazon S3 VPC endpoint and establish a VPN to upload the data.

Answer: B

QUESTION 168

A three-tier web application processes orders from customers. The web tier consists of Amazon EC2 instances behind an Application Load Balancer, a middle tier of three EC2 instances decoupled from the web tier using Amazon SQS, and an Amazon DynamoDB backend. At peak times, customers who submit orders using the site have to wait much longer than normal to receive confirmations due to lengthy processing times. A solutions architect needs to reduce these processing times. Which action will be MOST effective in accomplishing this?

- A. Replace the SQS queue with Amazon Kinesis Data Firehose.

- B. Use Amazon ElastiCache for Redis in front of the DynamoDB backend tier.
- C. Add an Amazon CloudFront distribution to cache the responses for the web tier.
- D. Use Amazon EC2 Auto Scaling to scale out the middle tier instances based on the SOS queue depth.

Answer: C

QUESTION 169

A company wants to host a web application on AWS that will communicate to a database within a VPC. The application should be highly available. What should a solutions architect recommend?

- A. Create two Amazon EC2 instances to host the web servers behind a load balancer, and then deploy the database on a large instance.
- B. Deploy a load balancer in multiple Availability Zones with an Auto Scaling group for the web servers, and then deploy Amazon RDS in multiple Availability Zones.
- C. Deploy a load balancer in the public subnet with an Auto Scaling group for the web servers, and then deploy the database on an Amazon EC2 instance in the private subnet.
- D. Deploy two web servers with an Auto Scaling group, configure a domain that points to the two web servers, and then deploy a database architecture in multiple Availability Zones.

Answer: A

QUESTION 170

A company is migrating to the AWS Cloud. A file server is the first workload to migrate. Users must be able to access the file share using the Server Message Block (SMB) protocol. Which AWS managed service meets these requirements?

- A. Amazon EBS
- B. Amazon EC2
- C. Amazon FSx
- D. Amazon S3

Answer: D

QUESTION 171

A company has a mobile chat application with a data store based in Amazon DynamoDB. Users would like new messages to be read with as little latency as possible. A solutions architect needs to design an optimal solution that requires minimal application changes. Which method should the solutions architect select?

- A. Configure Amazon DynamoDB Accelerator (DAX) for the new messages table. Update the code to use the DAX endpoint.
- B. Add DynamoDB read replicas to handle the increased read load. Update the application to point to the read endpoint for the read replicas.
- C. Double the number of read capacity units for the new messages table in DynamoDB. Continue to use the existing DynamoDB endpoint.
- D. Add an Amazon ElastiCache for Redis cache to the application stack. Update the application to point to the Redis cache endpoint instead of DynamoDB.

Answer: B

QUESTION 172

A company wants to use an AWS Region as a disaster recovery location for its on-premises infrastructure. The company has 10 TB of existing data, and the on-premise data center has a 1 Gbps internet connection. A solutions architect must find a solution so the company can have its existing data on AWS in 72 hours without transmitting it using an unencrypted channel.

Which solution should the solutions architect select?

- A. Send the initial 10 TB of data to AWS using FTP.
- B. Send the initial 10 TB of data to AWS using AWS Snowball.
- C. Establish a VPN connection between Amazon VPC and the company's data center.
- D. Establish an AWS Direct Connect connection between Amazon VPC and the company's data center.

Answer: B

QUESTION 173

A web application runs on Amazon EC2 instances behind an Application Load Balancer. The application allows users to create custom reports of historical weather data. Generating a report can take up to 5 minutes. These long-running requests use many of the available incoming connections, making the system unresponsive to other users. How can a solutions architect make the system more responsive?

- A. Use Amazon SQS with AWS Lambda to generate reports.
- B. Increase the idle timeout on the Application Load Balancer to 5 minutes.
- C. Update the client-side application code to increase its request timeout to 5 minutes.
- D. Publish the reports to Amazon S3 and use Amazon CloudFront for downloading to the user.

Answer: B