SAA-C03 Q&As

AWS Certified Solutions Architect - Associate (SAA-C03)

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QUESTION 1

An ecommerce company runs an application in the AWS Cloud that is integrated with an on-premises warehouse solution. The company uses Amazon Simple Notification Service (Amazon SNS) to send order messages to an on-premises

HTTPS endpoint so the warehouse application can process the orders. The local data center team has detected that some of the order messages were not received.

A solutions architect needs to retain messages that are not delivered and analyze the messages for up to 14 days.

Which solution will meet these requirements with the LEAST development effort?

A. Configure an Amazon SNS dead letter queue that has an Amazon Kinesis Data Stream target with a retention period of 14 days.

B. Add an Amazon Simple Queue Service (Amazon SQS) queue with a retention period of 14 days between the application and Amazon SNS.

C. Configure an Amazon SNS dead letter queue that has an Amazon Simple Queue Service (Amazon SQS) target with a retention period of 14 days.

D. Configure an Amazon SNS dead letter queue that has an Amazon DynamoDB target with a TTL attribute set for a retention period of 14 days.

Correct Answer: C

The message retention period in Amazon SQS can be set between 1 minute and 14 days (the default is 4 days). Therefore, you can configure your SQS DLQ to retain undelivered SNS messages for 14 days. This will enable you to analyze undelivered messages with the least development effort.

QUESTION 2

A company wants to migrate two DNS servers to AWS. The servers host a total of approximately 200 zones and receive 1 million requests each day on average. The company wants to maximize availability while minimizing the operational overhead that is related to the management of the two servers. What should a solutions architect recommend to meet these requirements?

A. Create 200 new hosted zones in the Amazon Route 53 console Import zone files.

B. Launch a single large Amazon EC2 instance Import zone tiles. Configure Amazon CloudWatch alarms and notifications to alert the company about any downtime.

C. Migrate the servers to AWS by using AWS Server Migration Service (AWS SMS). Configure Amazon CloudWatch alarms and notifications to alert the company about any downtime.

D. Launch an Amazon EC2 instance in an Auto Scaling group across two Availability Zones. Import zone files. Set the desired capacity to 1 and the maximum capacity to 3 for the Auto Scaling group. Configure scaling alarms to scale based on CPU utilization.

Correct Answer: A

QUESTION 3

A company has migrated a two-tier application from its on-premises data center to the AWS Cloud. The data tier is a Multi-AZ deployment of Amazon RDS for Oracle with 12 TB of General Purpose SSD Amazon Elastic Block Store (Amazon

EBS) storage. The application is designed to process and store documents in the database as binary large objects (blobs) with an average document size of 6 MB.

The database size has grown over time, reducing the performance and increasing the cost of storage. The company must improve the database performance and needs a solution that is highly available and resilient.

Which solution will meet these requirements MOST cost-effectively?

A. Reduce the RDS DB instance size. Increase the storage capacity to 24 TiB. Change the storage type to Magnetic.

B. Increase the RDS DB instance size. Increase the storage capacity to 24 TiChange the storage type to Provisioned IOPS.

C. Create an Amazon S3 bucket. Update the application to store documents in the S3 bucket. Store the object metadata in the existing database.

D. Create an Amazon DynamoDB table. Update the application to use DynamoDB. Use AWS Database Migration Service (AWS DMS) to migrate data from the Oracle database to DynamoDB.

Correct Answer: C

Storing the blobs in the db is more expensive than s3 with references in the db.

QUESTION 4

A development team needs to host a website that will be accessed by other teams. The website contents consist of HTML, CSS, client-side JavaScript, and images Which method is the MOST cost-effective for hosting the website?

A. Containerize the website and host it in AWS Fargate.

B. Create an Amazon S3 bucket and host the website there

C. Deploy a web server on an Amazon EC2 instance to host the website.

D. Configure an Application Loa d Balancer with an AWS Lambda target that uses the Express js framework.

Correct Answer: B

In Static Websites, Web pages are returned by the server which are prebuilt.

They use simple languages such as HTML, CSS, or JavaScript.

There is no processing of content on the server (according to the user) in Static Websites. Web pages are returned by the server with no change therefore, static Websites are fast.

There is no interaction with databases.

Also, they are less costly as the host does not need to support server-side processing with different languages.

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In Dynamic Websites, Web pages are returned by the server which are processed during runtime means they are not prebuilt web pages but they are built during runtime according to the user\\'s demand.

These use server-side scripting languages such as PHP, Node.js, ASP.NET and many more supported by the server.

So, they are slower than static websites but updates and interaction with databases are possible.

QUESTION 5

A company seeks a storage solution for its application The solution must be highly available and scalable. The solution also must function as a file system, be mountable by multiple Linux instances in AWS and on premises through native protocols, and have no minimum size requirements. The company has set up a Site-to-Site VPN for access from its on-premises network to its VPC.

Which storage solution meets these requirements?

A. Amazon FSx Multi-AZ deployments

B. Amazon Elastic Block Store (Amazon EBS) Multi-Attach volumes

C. Amazon Elastic File System (Amazon EFS) with multiple mount targets

D. Amazon Elastic File System (Amazon EFS) with a single mount target and multiple access points

Correct Answer: C

Amazon EFS is a fully managed file system that can be mounted by multiple Linux instances in AWS and on premises through native protocols such as NFS and SMB. Amazon EFS has no minimum size requirements and can scale up and

down automatically as files are added and removed. Amazon EFS also supports high availability and durability by allowing multiple mount targets in different Availability Zones within a region. Amazon EFS meets all the requirements of the