SAA-C03^Q&As

AWS Certified Solutions Architect - Associate (SAA-C03)

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QUESTION 1

A company wants to provide data scientists with near real-time read-only access to the company\\'s production Amazon RDS for PostgreSQL database. The database is currently configured as a Single-AZ database. The data scientists use complex queries that will not affect the production database. The company needs a solution that is highly available.

Which solution will meet these requirements MOST cost-effectively?

A. Scale the existing production database in a maintenance window to provide enough power for the data scientists.

B. Change the setup from a Single-AZ to a Multi-AZ instance deployment with a larger secondary standby instance. Provide the data scientists access to the secondary instance.

C. Change the setup from a Single-AZ to a Multi-AZ instance deployment. Provide two additional read replicas for the data scientists.

D. Change the setup from a Single-AZ to a Multi-AZ cluster deployment with two readable standby instances. Provide read endpoints to the data scientists.

Correct Answer: D

Amazon RDS now offers Multi-AZ deployments with readable standby instances (also called Multi-AZ DB cluster deployments) in preview. You should consider using Multi-AZ DB cluster deployments with two readable DB instances if you need additional read capacity in your Amazon RDS Multi-AZ deployment and if your application workload has strict transaction latency requirements such as single-digit milliseconds transactions.

https://aws.amazon.com/blogs/database/readable-standby-instances-in-amazon-rds-multi-az-deployments-a-new-high-availability-option/

QUESTION 2

A solutions architect needs to design the architecture for an application that a vendor provides as a Docker container image. The container needs 50 GB of storage available for temporary files. The infrastructure must be serverless. Which solution meets these requirements with the LEAST operational overhead?

A. Create an AWS Lambda function that uses the Docker container image with an Amazon S3 mounted volume that has more than 50 GB of space.

B. Create an AWS Lambda function that uses the Docker container image with an Amazon Elastic Block Store (Amazon EBS) volume that has more than 50 GB of space.

C. Create an Amazon Elastic Container Service (Amazon ECS) cluster that uses the AWS Fargate launch type. Create a task definition for the container image with an Amazon Elastic File System (Amazon EFS) volume. Create a service with that task definition.

D. Create an Amazon Elastic Container Service (Amazon ECS) cluster that uses the Amazon EC2 launch type with an Amazon Elastic Block Store (Amazon EBS) volume that has more than 50 GB of space. Create a task definition for the container image. Create a service with that task definition.

Correct Answer: C

QUESTION 3

A company wants to migrate an on-premises legacy application to AWS. The application ingests customer order files from an on-premises enterprise resource planning (ERP) system. The application then uploads the files to an SFTP server. The application uses a scheduled job that checks for order files every hour.

The company already has an AWS account that has connectivity to the on-premises network. The new application on AWS must support integration with the existing ERP system. The new application must be secure and resilient and must use the SFTP protocol to process orders from the ERP system immediately.

Which solution will meet these requirements?

A. Create an AWS Transfer Family SFTP internet-facing server in two Availability Zones. Use Amazon S3 storage. Create an AWS Lambda function to process order files. Use S3 Event Notifications to send s3:ObjectCreated:* events to the Lambda function.

B. Create an AWS Transfer Family SFTP internet-facing server in one Availability Zone. Use Amazon Elastic File System (Amazon EFS) storage. Create an AWS Lambda function to process order files. Use a Transfer Family managed workflow to invoke the Lambda function.

C. Create an AWS Transfer Family SFTP internal server in two Availability Zones. Use Amazon Elastic File System (Amazon EFS) storage. Create an AWS Step Functions state machine to process order files. Use Amazon EventBridge Scheduler to invoke the state machine to periodically check Amazon EFS for order files.

D. Create an AWS Transfer Family SFTP internal server in two Availability Zones. Use Amazon S3 storage. Create an AWS Lambda function to process order files. Use a Transfer Family managed workflow to invoke the Lambda function.

Correct Answer: D

QUESTION 4

A company wants to use Amazon Elastic Container Service (Amazon ECS) clusters and Amazon RDS DB instances to build and run a payment processing application. The company will run the application in its on-premises data center for compliance purposes.

A solutions architect wants to use AWS Outposts as part of the solution. The solutions architect is working with the company\\'s operational team to build the application.

Which activities are the responsibility of the company\\'s operational team? (Select THREE.)

A. Providing resilient power and network connectivity to the Outposts racks

B. Managing the virtualization hypervisor, storage systems, and the AWS services that run on Outposts

C. Physical security and access controls of the data center environment

D. Availability of the Outposts infrastructure including the power supplies, servers, and network-ing equipment within the Outposts racks

E. Physical maintenance of Outposts components

F. Providing extra capacity for Amazon ECS clusters to mitigate server failures and maintenance events

Correct Answer: ACF

These answers are correct because they reflect the customer\\'s responsibilities for using AWS Outposts as part of the solution. According to the AWS shared responsibility model, the customer is responsible for providing resilient power and

network connectivity to the Outposts racks, ensuring physical security and access controls of the data center environment, and providing extra capacity for Amazon ECS clusters to mitigate server failures and maintenance events. AWS is

responsible for managing the virtualization hypervisor, storage systems, and the AWS services that run on Outposts, as well as the availability of the Outposts infrastructure including the power supplies, servers, and networking equipment

within the Outposts racks, and the physical maintenance of Outposts components.

References:

https://docs.aws.amazon.com/outposts/latest/userguide/what-is-outposts.html https://www.contino.io/insights/the-sandwich-responsibility-model-aws-outposts/

QUESTION 5

A company\\'s website hosted on Amazon EC2 instances processes classified data stored in Amazon S3. Due to security concerns, the company requires a private and secure connection between its EC2 resources and Amazon S3.

Which solution meets these requirements?

A. Set up S3 bucket policies to allow access from a VPC endpoint.

B. Set up an IAM policy to grant read-write access to the S3 bucket.

C. Set up a NAT gateway to access resources outside the private subnet.

D. Set up an access key ID and a secret access key to access the S3 bucket.

Correct Answer: A

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