

SAA-C02^{Q&As}

AWS Certified Solutions Architect - Associate (SAA-C02)

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QUESTION 1

A company is planning to deploy an Amazon RDS DB instance running Amazon Aurora. The company has a backup retention policy requirement of 90 days. Which solution should a solutions architect recommend?

- A. Set the backup retention period to 90 days when creating the RDS DB instance.
- B. Configure RDS to copy automated snapshots to a user-managed Amazon S3 bucket with a lifecycle policy set to delete after 90 days.
- C. Create an AWS Backup plan to perform a daily snapshot of the RDS database with the retention set to 90 days. Create an AWS Backup job to schedule the execution of the backup plan daily.
- D. Use a daily scheduled event with Amazon CloudWatch Events to execute a custom AWS Lambda function that makes a copy of the RDS automated snapshot. Purge snapshots older than 90 days.

Correct Answer: B

QUESTION 2

A company is running a multi-tier web application on AWS. The application runs its database on Amazon Aurora MySQL. The application and database tiers are in the us-east-1 Region.

A database administrator who monitors the Aurora DB cluster finds that an intermittent increase in read traffic is creating high CPU utilization on the read replica. The result is increased read latency for the application. The memory and disk utilization of the DB instance are stable throughout the event of increased latency.

What should a solutions architect do to improve the read scalability?

- A. Reboot the DB cluster.
- B. Create a cross-Region read replica.
- C. Configure Aurora Auto Scaling for the read replica.
- D. Increase the provisioned read IOPS for the DB instance.

Correct Answer: B

QUESTION 3

An application running on an Amazon EC2 instance in VPC-A needs to access files in another EC2 instance in VPC-B. Both are in separate AWS accounts. The network administrator needs to design a solution to enable secure access to

EC2 instance in VPC-B from VPC-A.

The connectivity should not have a single point of failure or bandwidth concerns.

Which solution will meet these requirements?

- A. Set up a VPC peering connection between VPC-A and VPC-B.
- B. Set up VPC gateway endpoints for the EC2 instance running in VPC-B.
- C. Attach a virtual private gateway to VPC-B and enable routing from VPC-A.
- D. Create a private virtual interface (VIF) for the EC2 instance running in VPC-B and add appropriate routes from VPC-B.

Correct Answer: A

QUESTION 4

A company wants a storage option that enables its data science team to analyze its data on premises and in the AWS Cloud. The team needs to be able to run statistical analyses by using the data on premises and by using a fleet of Amazon EC2 instances across multiple Availability Zones. What should a solutions architect do to meet these requirements?

- A. Use an AWS Storage Gateway tape gateway to copy the on-premises files into Amazon S3.
- B. Use an AWS Storage Gateway volume gateway to copy the on-premises files into Amazon S3.
- C. Use an AWS Storage Gateway file gateway to copy the on-premises files to Amazon Elastic Block Store (Amazon EBS).
- D. Attach an Amazon Elastic File System (Amazon EFS) file system to the on-premises servers. Copy the files to Amazon EFS.

Correct Answer: D

QUESTION 5

A manufacturing company has machine sensors that upload csv files to an Amazon S3 bucket. These csv files must be converted into images and must be made available as soon as possible for the automatic generation of graphical reports.

The images become irrelevant after 1 month, but the csv files must be kept to train machine learning (ML) models twice a year. The ML trainings and audits are planned weeks in advance. Which combination of steps will meet these requirements MOST cost-effectively? (Select TWO)

- A. Launch an Amazon EC2 Spot Instance that downloads the csv files every hour, generates the image files, and uploads the images to the S3 bucket.
- B. Design an AWS Lambda function that converts the csv files into images and stores the images in the S3 bucket. Invoke the Lambda function when a csv file is uploaded.
- C. Create S3 Lifecycle rules for csv files and image files in the S3 bucket. Transition the csv files from S3 Standard to S3 Glacier 1 day after they are uploaded. Expire the image files after 30 days.

D. Create S3 Lifecycle rules for csv files and image files in the S3 bucket Transition the csv files from S3 Standard to S3 One Zone-Infrequent Access (S3 One Zone-IA) 1 day after they are uploaded Expire the image files after 30 days

E. Create S3 Lifecycle rules for csv files and image files in the S3 bucket Transition the csv files from S3 Standard to S3 Standard-Infrequent Access (S3 Standard-IA) 1 day after they are uploaded Keep the image files in Reduced Redundancy Storage (RRS)

Correct Answer: BD

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