

SAA-C02^{Q&As}

AWS Certified Solutions Architect - Associate (SAA-C02)

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QUESTION 1

A solutions architect plans to convert a company\\'s monolithic web application into a multi-tier application. The company wants to avoid managing its own infrastructure. The minimum requirements for the web application are high availability, scalability, and regional low latency during peak hours. The solution should also store and retrieve data with millisecond latency using the application\\'s API.

Which solution meets these requirements?

A. Use AWS Fargate to host the web application with backend Amazon RDS Multi-AZ DB instances

B. Use Amazon API Gateway with an edge-optimized API endpoint, AWS Lambda for compute and Amazon DynamoDB as the data store

C. Use an Amazon Route 53 routing policy with geolocation that points to an Amazon S3 bucket with static website hosting and Amazon DynamoDB as the data store

D. Use an Amazon CloudFront distribution that points to an Elastic Load Balancer with an Amazon EC2 Auto Scaling group, along with Amazon RDS Multi-AZ DB instances

Correct Answer: B

QUESTION 2

A company has an application that runs on Amazon EC2 instances and uses an Amazon Aurora database. The EC2 instances connect to the database by using user names and passwords that are stored locally in a file. The company wants to minimize the operational overhead of credential management.

What should a solutions architect do to accomplish this goal?

A. Use AWS Secrets Manager. Turn on automatic rotation.

B. Use AWS Systems Manager Parameter Store. Turn on automatic rotation. ?Create an Amazon S3 bucket lo store objects that are encrypted with an AWS Key.

C. Management Service (AWS KMS) encryption key. Migrate the credential file to the S3 bucket. Point the application to the S3 bucket.

D. Create an encrypted Amazon Elastic Block Store (Amazon EBS) volume (or each EC2 instance. Attach the new EBS volume to each EC2 instance. Migrate the credential file to the new EBS volume. Point the application to the new EBS volume.

Correct Answer: A

QUESTION 3

A solutions architect is designing an VPC that requires access to a remote API server using IPv6 Resources within the

VPC should not be accessed directly from the internet. How should this be achieved?

- A. Use a NAT gateway and deny public access using security groups.
- B. Attach an egress-only internet gateway and update the routing tables
- C. Use a NAT gateway and update the routing tables
- D. Attach an internet gateway and deny public access using security groups

Correct Answer: B

QUESTION 4

A company sells datasets to customers who do research in artificial intelligence and machine learning (Al/ML) The datasets are large, formatted files that are stored in an Amazon S3 bucket in the us-east-1 Region The company hosts a web application that the customers use to purchase access to a given dataset The web application is deployed on multiple Amazon EC2 instances behind an Application Load Balancer After a purchase is made customers receive an S3 signed URL that allows access to the files.

The customers are distributed across North America and Europe The company wants to reduce the cost that is associated with data transfers and wants to maintain or improve performance.

What should a solutions architect do to meet these requirements?

A. Configure S3 Transfer Acceleration on the existing S3 bucket Direct customer requests to the S3 Transfer Acceleration endpoint Continue to use S3 signed URLs for access control

B. Deploy an Amazon CloudFront distribution with the existing S3 bucket as the origin Direct customer requests to the CloudFront URL Switch to CloudFront signed URLs for access control

C. Set up a second S3 bucket in the eu-central-1 Region with S3 Cross-Region Replication between the buckets Direct customer requests to the closest Region Continue to use S3 signed URLs for access control

D. Modify the web application to enable streaming of the datasets to end users Configure the web application to read the data from the existing S3 bucket Implement access control directly in the application

Correct Answer: A

Reference: https://docs.aws.amazon.com/AmazonS3/latest/userguide/transfer-acceleration-examples.html

QUESTION 5

A solutions architect is designing a mission-critical web application. It will consist of Amazon EC2 instances behind an Application Load Balancer and a relational database. The database should be highly available and fault tolerant. Which database implementations will meet these requirements? (Select TWO.)

A. Amazon Redshift

- B. Amazon DynamoDB
- C. Amazon RDS for MySQL



- D. MySQL-compatible Amazon Aurora Multi-AZ
- E. Amazon RDS for SQL Server Standard Edition Mufti-AZ

Correct Answer: DE

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