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QUESTION 1

An advertising company has a dynamic website with heavy traffic. The company wants to migrate the website infrastructure to AWS to handle everything except website development. Which solution BEST meets these requirements?

- A. Use AWS VM Import to migrate a web server image to AWS Launch the image on a compute-optimized Amazon EC2 instanceLaunch.
- B. Launch multiple Amazon Lightsail instance behind a load balancer. Set up the website on those instances.
- C. Deploy the website code in an AWS Elastic Beanstalk environment. Use Auto Scaling to scale the numbers of instance
- D. Use Amazon S3 to host the website. Use Amazon CloudFront to deliver the content at scale.

Correct Answer: C

QUESTION 2

A developer must increase read performance from an unencrypted Amazon S3 bucket. The application requires 100,000 read requests each second Cost-effectiveness is a priority. What would be the SIMPLEST approach to implement these requirements?

- A. Create 20 or more prefixes in Amazon S3 Place files by prefixes Read in parallel by prefixes
- B. Create 20 or more AWS accounts Create a bucket in each account Read in parallel by bucket
- C. Deploy Memcached on Amazon EC2 Cache the files in memory Retrieve from the Memcached cache
- D. Copy all files to Amazon DynamoDB Index the files with S3 metadata Retrieve from DynamoDB

Correct Answer: A

QUESTION 3

A company is migrating from a monolithic architecture to a microservices-based architecture. The Developers need to refactor the application so that the many microservices can asynchronously communicate with each other without impacting performance.

Use of which managed AWS services will enable asynchronous message passing? (Choose two.)

- A. Amazon SQS
- B. Amazon Cognito
- C. Amazon Kinesis
- D. Amazon SNS

E. Amazon ElastiCache

Correct Answer: AD

QUESTION 4

A developer is troubleshooting connectivity issues between an AWS Lambda function and an Amazon EC2 instance that runs Amazon Linux 2. The Lambda function and the EC2 instance cannot communicate with each other even though the Lambda function is configured to access resources in the EC2 instance's subnet.

How can the developer inspect the network traffic between the Lambda function and the EC2 instance?

- A. Inspect the VPC flow logs for network activity.
- B. Use the traceroute command on the EC2 instance to check connectivity.
- C. Analyze the Amazon CloudWatch metrics for network traffic.
- D. Use the telnet command on the EC2 instance to check connectivity.

Correct Answer: A

Reference: <https://aws.amazon.com/blogs/aws/vpc-flow-logs-log-and-view-network-traffic-flows/>

QUESTION 5

A company created a serverless application that includes users' favorite actors. The company modeled its data in an Amazon DynamoDB table. The categories of the table are Actor, Movie, and Year.

Each actor appears in several movies and can appear in multiple movies in a single year. The company wants to see which of the users' favorite actors were in the same movie and which movies were in the same year. A developer needs to

design the DynamoDB table to minimize response time for those queries.

Which solution meets these requirements?

- A. Create a composite primary key with Actor as the partition key and Movie as the sort key. Use Year as the sort key for a global secondary index (GSI).
- B. Create a composite primary key with Actor as the partition key and Year as the sort key. Use Movie as the sort key for a global secondary index (GSI).
- C. Create a composite primary key with Movie as the partition key and Actor as the sort key. Use Year as the sort key for a global secondary index (GSI).
- D. Create a simple primary key with Actor as the partition key. Use Year as the sort key for a local secondary index (LSI).

Correct Answer: C

Reference: <https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/GSI.html>

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