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QUESTION 1

A solution architect is designing a hybrid application using the AWS cloud. The network between the on-premises data center and AWS will use an AWS Direct Connect (DX) connection. The application connectivity between AWS and the on-premises data center must be highly resilient. Which DX configuration should be implemented to meet these requirements?

A. Configure a DX connection with a VPN on top of it.

B. Configure DX connections at multiple DX locations.

C. Configure a DX connection using the most reliable DX partner.

D. Configure multiple virtual interfaces on top of a DX connection.

Correct Answer: B

QUESTION 2

A company has a multi-tier application deployed on several Amazon EC2 instances in an Auto Scaling group. An Amazon RDS for Oracle instance is the application\\\\', data layer that uses Oracle-specific PUSQL functions. Traffic to the application has been steadily increasing This is causing the EC2 instances to become overloaded an i RDS instance to run out of storage. The Auto Scaling group does not have any scaling metrics and defines the minimum healthy instance count only. The company predicts that traffic will continue to increase at a steady but unpredictable rate before leveling off.

What should a solutions architect do to ensure the system can automatically scale for the increased traffic? (Select TWO)

A. Configure storage Auto Scaling on the RDS for Oracle instance.

B. Migrate the database to Amazon Aurora to use Auto Scaling storage

C. Configure an alarm on the RDS for Oracle instance for low free storage space.

D. Configure the Auto Scaling group to use the average CPU as the scaling metric.

E. Configure the Auto Scaling group to use the average free memory as the scaling metric.

Correct Answer: AC

QUESTION 3

A company is designing a new application that runs in a VPC on Amazon EC2 instances The application stores data in Amazon S3 and uses Amazon DynamoDB as its database For compliance reasons, the company prohibits all traffic between the EC2 instances and other AWS services from passing over the public internet

What can a solutions architect do to meet this requirement?

A. Configure gateway VPC endpoints to Amazon S3 and DynamoDB

B. Configure interface VPC endpoints to Amazon S3 and DynamoDB

C. Configure a gateway VPC endpoint to Amazon S3 Configure an interface VPC endpoint to DynamoDB

D. Configure a gateway VPC endpoint to DynamoDB Configure an interface VPC endpoint to Amazon S3

Correct Answer: A

QUESTION 4

A company manages its own Amazon EC2 instances that run MySQL databases. The company is manually managing replication and scaling as demand increases or decreases. The company needs a new solution that simplifies the process of adding or removing compute capacity to or from its database tier as needed. The solution also must offer improved performance, scaling, and durability with minimal effort from operations.

Which solution meets these requirements?

A. Migrate thee databases to Amazon Aurora Serverless for Aurora MySQL

B. Migrate tie databases to Amazon Aurora Serverless tor Aurora PostgreSQL

C. Combine the databases into one larger MySQL database Run the larger database on larger EC2 instances

D. Create an EC2 Auto Scaling group for the database tier Migrate the existing databases to the new environment.

Correct Answer: A

Reference: https://aws-quickstart.s3.amazonaws.com/quickstart-drupal/doc/drupal-on-the-aws-cloud.pdf (p.6)

QUESTION 5

A company is building a website that relies on reading and writing to an Amazon DynamoDB database. The traffic associated with the website predictably peaks during business hours on weekdays and declines overnight and during weekends. A solutions architect needs to design a cost-effective solution that can handle the load.

What should the solutions architect do to meet these requirements?

A. Enable DynamoDB Accelerator (DAX) to cache the data.

B. Enable Multi-AZ replication for the DynamoDB database.

C. Enable DynamoDB auto scaling when creating the tables.

D. Enable DynamoDB On-Demand capacity allocation when creating the tables.

Correct Answer: B