SAA-C02 Q&As

AWS Certified Solutions Architect - Associate (SAA-C02)

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QUESTION 1

An application launched on Amazon EC2 instances needs to publish personally identifiable information (PH) about customers using Amazon Simple Notification Service (Amazon SNS) The application is launched in private subnets within an Amazon VPC. What is the MOST secure way to allow the application to access service endpoints in the same AWS Region?

A. Use an internet gateway

B. Use AWS PrivateLink

C. Use a NAT gateway.

D. Use a proxy instance

Correct Answer: B

QUESTION 2

A company has migrated an on-premises Oracle database to an Amazon RDS (or Oracle Multi-AZ DB instance In the us-east-l Region. A solutions architect is designing a disaster recovery strategy to have the database provisioned In the uswest-2 Region In case the database becomes unavailable in the us-east-1 Region. The design must ensure the database is provisioned in the us-west-2 Region in a maximum of 2 hours, with a data loss window of no more than 3 hours. How can these requirements be met?

A. Edit the DB instance and create a read replica in us-west-2. Promote the read replica to master In us-west-2 in case the disaster recovery environment needs to be activated.

B. Select the multi-Region option to provision a standby instance in us-west-2. The standby Instance will be automatically promoted to master In us-west-2 in case the disaster recovery environment needs to be created.

C. Take automated snapshots of the database instance and copy them to us-west-2 every 3 hours.Restore the latest snapshot to provision another database instance in us-west-2 in case the disaster recovery environment needs to be activated.

D. Create a multimaster read/write instances across multiple AWS Regions Select VPCs in us-east-1 and us-west-2 lo make that deployment. Keep the master read/write instance in us-west-2 available to avoid having to activate a disaster recovery environment.

Correct Answer: A

QUESTION 3

A company wants to create an application that will transmit protected health information (PHI) to thousands of service consumers in different AWS accounts The application servers will sit in private VPC subnets The routing for the application

must be fault tolerant.

What should be done to meet these requirements?

A. Create a VPC endpoint service and grant permissions to specific service consumers to create a connection

B. Create a virtual private gateway connection between each pair of service provider VPCs and service consumer VPCs

C. Create an internal Application Load Balancer in the service provider VPC and put application servers behind it.

D. Create a proxy server in the service provider VPC to route requests from service consumers to the application servers.

Correct Answer: A

QUESTION 4

A solutions architect is designing a new service behind Amazon API Gateway The request patterns for the service will be unpredictable and can change suddenly from 0 requests to over 500 per second The total size of the data that needs to be persisted in a backend database is currently less than 1 GB with unpredictable future growth Data can be queried using simple key-value requests

Which combination of AWS services would meet these requirements? (Select TWO)

A. AWS Fargate

B. AWS Lambda

C. Amazon DynamoDB

D. Amazon EC2 Auto Scaling

E. MySQL-compatible Amazon Aurora

Correct Answer: AC

https://aws.amazon.com/about-aws/whats-new/2017/11/amazon-api-gateway-supports-endpoint-integrations-with-private-vpcs/

QUESTION 5

A company is running several business applications in three separate VPCs within the us- east-1 Region. The applications must be able to communicate between VPCs. The applications also must be able to consistently send hundreds of

gigabytes of data each day to a latency-sensitive application that runs in a single on-premises data center.

A solutions architect needs to design a network connectivity solution that maximizes cost- effectiveness.

Which solution meets these requirements?

A. Configure three AWS Site-to-Site VPN connections from the data center to AWS. Establish connectivity by configuring one VPN connection for each VPC.

B. Launch a third-party virtual network appliance in each VPC. Establish an IPsec VPN tunnel between the data center and each virtual appliance.

C. Set up three AWS Direct Connect connections from the data center to a Direct Connect gateway In us-easl-1. Establish connectivity by configuring each VPC to use one of the Direct Connect connections.

D. Set up one AWS Direct Connect connection from the data center lo AWS Create a transit gateway, and attach each VPC to the transit gateway. Establish connectivity between the Direct Connect connection and the transit gateway.

Correct Answer: D

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