SAA-C02^{Q&As}

AWS Certified Solutions Architect - Associate (SAA-C02)

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QUESTION 1

A gaming company wants to launch a new internet-facing application in multiple AWS Regions. The application will use the TCP and UDP protocols for communication. The company needs to provide high availability and minimum latency for global users.

Which combination of actions should a solutions architect take to meet these requirements? (Select TWO.)

A. Create internal Network Load Balancers in front of the application in each Region

B. Create external Application Load Balancers in front of the application in each Region

C. Create an AWS Global Accelerator accelerator to route traffic to the load balancers in each Region

D. Configure Amazon Route 53 to use a geolocation routing policy to distribute the traffic

E. Configure Amazon CloudFront to handle the traffic and route requests to the application in each Region

Correct Answer: AC

QUESTION 2

A startup company is hosting a website for its customers on an Amazon EC2 instance. The website consists of a stateless python application and a MySQL database. The website serves only a small amount of traffic. The company is concerned about the reliability of the instance and needs to migrate to a highly available architecture. The company cannot modify the application code.

Which combination of actions should a solution architect take to achieve high availability for the website? (Select TWO.)

A. Provision an internet gateway in each Availability Zone in use.

B. Migrate the database to on Amazon RDS for MySQL Multi-AZ DB instance

C. Migrate the database to Amazon DynamoDB, and enable DynamoDB auto scaling.

D. Use AWS DataSync to synchronize the database data across multiple EC2 instances

E. Create an Application Load Balancer to distribute traffic to an Auto Scaling group or EC2 instances that are distributed across two Availability Zones.

Correct Answer: BE

QUESTION 3

A company\\'s application runs on Amazon EC2 instances behind an Application Load Balancer (ALB) The instances run in an Amazon EC2 Auto Scaling group across multiple Availability Zones On the first day of every month at midnight the application becomes much slower when the month-end financial calculation batch executes This causes the CPU utilization of the EC2 instances to immediately peak to 100%. which disrupts the application What should a solutions architect recommend to ensure the application is able to handle the workload and avoid downtime?

A. Configure an Amazon CloudFront distribution in front of the ALB

B. Configure an EC2 Auto Scaling simple scaling policy based on CPU utilization

C. Configure an EC2 Auto Scaling scheduled scaling policy based on the monthly schedule.

D. Configure Amazon ElastiCache to remove some of the workload from the EC2 instances

Correct Answer: C

Scheduled Scaling for Amazon EC2 Auto Scaling Scheduled scaling allows you to set your own scaling schedule. For example, let\'s say that every week the traffic to your web application starts to increase on Wednesday, remains high on Thursday, and starts to decrease on Friday. You can plan your scaling actions based on the predictable traffic patterns of your web application. Scaling actions are performed automatically as a function of time and date. https://docs.aws.amazon.com/autoscaling/ec2/userguide/schedule_time.html

QUESTION 4

A company must save ail the email messages that its employees send to customers for a period of 12 months. The messages are stored m a binary format and vary m size from 1 KB to 20 KB. The company has selected Amazon S3 as the storage service for the messages

Which combination of steps will meet these requirements MOST cost-effectively9 (Select TWO.)

A. Create an S3 bucket policy that denies the s3 Delete Object action.

B. Create an S3 lifecycle configuration that deletes the messages after 12 months.

C. Upload the messages to Amazon S3 Use S3 Object Lock in governance mode

D. Upload the messages to Amazon S3. Use S3 Object Lock in compliance mode.

E. Use S3 Inventory Create an AWS Batch job that periodically scans the inventory and deletes the messages after 12 months

Correct Answer: BD

QUESTION 5

A company maintains about 300 TB m Amazon S3 Standard storage month after month. The S3 objects are each typically around 50 GB m size and are frequently replaced with multipart uploads by their global application. The number and size of S3 objects remain constant but the company\\\'s S3 storage costs are increasing each month.

How should a solutions architect reduce costs in this situation?

A. Switch from multipart uploads to Amazon S3 Transfer Acceleration

B. Enable an S3 Lifecycle policy that deletes incomplete multipart uploads

C. Configure S3 inventory to prevent objects from being archived too quickly

D. Configure Amazon CloudFront to reduce the number of objects stored in Amazon S3

Correct Answer: B

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