

SAA-C01^{Q&As}

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QUESTION 1

Employees from several companies use an application once a year during a specific 30-day period. The periods are different for each company. Traffic to the application spikes during these 30-day periods. How can the application be designed to handle these traffic spikes?

- A. Use an Amazon Route 53 latency routing policy to route traffic to an Amazon EC2 instance with the least lag time.
- B. Use Amazon S3 to cache static elements of the website requests.
- C. Use an Auto Scaling group to scale the number of EC2 instances to match the site traffic.
- D. Use Amazon Cloud Front to serve static assets to decrease the load on the EC2 instances.

Correct Answer: A

QUESTION 2

A company is using AWS Key Management Service (AWS KMS) to secure their Amazon RDS databases. An auditor has recommended that the company log all use of their AWS KMS keys. What is the SIMPLEST solution?

- A. Associate AWS KMS metrics with Amazon CloudWatch.
- B. Use AWS CloudTrail to log AWS KMS key usage.
- C. Deploy a monitoring agent on the RDS instances.
- D. Poll AWS KMS periodically with a scheduled job.

Correct Answer: B

Reference: https://aws.amazon.com/kms/

QUESTION 3

A workload in an Amazon VPC consists of a single web server launched from a custom AMI. Session state is stored in a database. How should the Solutions Architect modify this workload to be both highly available and scalable?

- A. Create a launch configuration with a desired capacity of two web servers across multiple Availability Zones. Create an Auto Scaling group with the AMI ID of the web server image. Use Amazon Route 53 latency-based routing to balance traffic across the Auto Scaling group.
- B. Create a launch configuration with the AMI ID of the web server image. Create an Auto Scaling group using the newly-created launch configuration, and a desired capacity of two web servers across multiple regions. Use an Application Load Balancer (ALB) to balance traffic across the Auto Scaling group.
- C. Create a launch configuration with the AMI ID of the web server image. Create an Auto Scaling group using the newly-created launch configuration, and a desired capacity of two web servers across multiple Availability Zones. Use an ALB to balance traffic across the Auto Scaling group.
- D. Create a launch configuration with the AMI ID of the web server image. Create an Auto Scaling group using the



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newly-created launch configuration, and a desired capacity of two web servers across multiple Availability Zones. Use Amazon Route 53 weighted routing to balance traffic across the Auto Scaling group.

Correct Answer: A

QUESTION 4

A media company asked a Solutions Architect to design a highly available storage solution to serve as a centralized document store for their Amazon EC2 instances. The storage solution needs to be POSIX-compliant, scale dynamically, and be able to serve up to 100 concurrent EC2 instances.

Which solution meets these requirements?

- A. Create an Amazon S3 bucket and store all of the documents in this bucket.
- B. Create an Amazon EBS volume and allow multiple users to mount that volume to their EC2 instance(s).
- C. Use Amazon Glacier to store all of the documents.
- D. Create an Amazon Elastic File System (Amazon EFS) to store and share the documents.

Correct Answer: D

Reference: https://aws.amazon.com/efs/enterprise-applications/

QUESTION 5

A company is using an Amazon S3 bucket located in us-west-2 to serve videos to their customers. Their customers are located all around the world and the videos are requested a lot during peak hours. Customers in Europe complain about

experiencing slow downloaded speeds, and during peak hours, customers in all locations report experiencing HTTP 500 errors.

What can a Solutions Architect do to address these issues?

- A. Place an elastic load balancer in front of the Amazon S3 bucket to distribute the load during peak hours.
- B. Cache the web content with Amazon CloudFront and use all Edge locations for content delivery.
- C. Replicate the bucket in eu-west-1 and use an Amazon Route 53 failover routing policy to determine which bucket it should serve the request to.
- D. Use an Amazon Route 53 weighted routing policy for the CloudFront domain name to distribute the GET request between CloudFront and the Amazon S3 bucket directly.

Correct Answer: D

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