

SAA-C02^{Q&As}

AWS Certified Solutions Architect - Associate (SAA-C02)

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QUESTION 1

A company is building a shopping application on AWS. The application offers a catalog that changes once each month and needs to scale with traffic volume. The company wants the lowest possible latency from the application. Data from each user's shopping cart needs to be highly available. User session data must be available even if the user is disconnected and reconnects.

What should a solutions architect do to ensure that the shopping cart data is preserved at all times?

- A. Configure an Application Load Balancer to enable the sticky sessions feature (session affinity) for access to the catalog in Amazon Aurora.
- B. Configure Amazon ElastiCache for Redis to cache catalog data from Amazon DynamoDB and shopping cart data from the user's session.
- C. Configure Amazon Elasticsearch Service (Amazon ES) to cache catalog data from Amazon DynamoDB and shopping cart data from the user's session.
- D. Configure an Amazon EC2 instance with Amazon Elastic Block Store (Amazon EBS) storage for the catalog and shopping cart. Configure automated snapshots.

Correct Answer: B

QUESTION 2

A company is building a new furniture inventory application. The company has deployed the application on a fleet of Amazon EC2 instances across multiple Availability Zones. The EC2 instances run behind an Application Load Balancer (ALB) in their VPC.

A solutions architect has observed that incoming traffic seems to favor one EC2 instance, resulting in latency for some requests.

What should the solutions architect do to resolve this issue?

- A. Disable session affinity (sticky sessions) on the ALB.
- B. Replace the ALB with a Network Load Balancer.
- C. Increase the number of EC2 instances in each Availability Zone.
- D. Adjust the frequency of the health checks on the ALB's target group.

Correct Answer: B

QUESTION 3

A company is running a media application in an on-premises data center and has accumulated 500 TB of data. The company needs to migrate the data from the applications' existing network-attached file system to AWS. Users rarely access data that is older than 1 year.

Which solution meets these requirements MOST cost-effectively?

- A. Use AWS Snowmobile to move the data to Amazon S3 Create an S3 Lifecycle policy to transition data that is older than 1 year to S3 Glacier
- B. Use multiple AWS Snowball Edge Storage Optimized devices to move the data to Amazon S3 Create an S3 Lifecycle policy to transition data that is older than 1 year to S3 Standard-Infrequent Access (S3 Standard-IA)
- C. Set up an AWS Direct Connect connection between the on-premises data center and AWS Transfer the data directly to Amazon S3 by using the Direct Connect connection Create an S3 Lifecycle policy to transition data that is older than 1 year to S3 Glacier
- D. Set up an AWS Site-to-Site VPN connection between the on-premises data center and AWS Transfer the data directly to Amazon S3 by using the Site-to-Site VPN connection Create an S3 Lifecycle policy to transition data that is older than 1 year to S3 Standard- infrequent Access (S3 Standard-IA)

Correct Answer: A

QUESTION 4

A solutions architect is designing the storage architecture for a new web application used for storing and viewing engineering drawings. All application components will be deployed on the AWS infrastructure. The application design must support caching to minimize the amount of time that users wait for the engineering drawings to load. The application must be able to store petabytes of data.

Which combination of storage and caching should the solutions architect use?

- A. Amazon S3 with Amazon CloudFront
- B. Amazon S3 Glacier with Amazon ElastiCache
- C. Amazon Elastic Block Store (Amazon EBS) volumes with Amazon CloudFront
- D. AWS Storage Gateway with Amazon ElastiCache

Correct Answer: A

QUESTION 5

An Amazon EC2 instance is located in a private subnet in a new VPC. This subnet does not have outbound internet access, but the EC2 instance needs the ability to download monthly security updates from an outside vendor. What should a solutions architect do to meet these requirements?

- A. Create an internet gateway, and attach it to the VPC. Configure the private subnet route table to use the internet gateway as the default route.
- B. Create a NAT gateway, and place it in a public subnet. Configure the private subnet route table to use the NAT gateway as the default route.
- C. Create a NAT instance, and place it in the same subnet where the EC2 instance is located. Configure the private subnet route table to use the NAT instance as the default route.
- D. Create an internet gateway, and attach it to the VPC. Create a NAT instance, and place it in the same subnet where

the EC2 instance is located. Configure the private subnet route table to use the internet gateway as the default route.

Correct Answer: A

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