

- **Vendor: Amazon**
  
- **Exam Code: SAA-C02**
  
- **Exam Name: AWS Certified Solutions Architect - Associate (SAA-C02) Exam**
  
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**QUESTION 208**

A company is designing a new service that will run on Amazon EC2 instance behind an Elastic Load Balancer. However, many of the web service clients can only reach IP addresses whitelisted on their firewalls. What should a solution architect recommend to meet the clients' needs?

- A. A Network Load Balancer with an associated Elastic IP address.
- B. An Application Load Balancer with an associated Elastic IP address
- C. An A record in an Amazon Route 53 hosted zone pointing to an Elastic IP address
- D. An EC2 instance with a public IP address running as a proxy in front of the load balancer

**Answer: A**

**QUESTION 209**

A company is investigating potential solutions that would collect, process, and store users' service usage data. The business objective is to create an analytics capability that will enable the company to gather operational insights quickly using standard SQL queries. The solution should be highly available and ensure Atomicity, Consistency, Isolation, and Durability (ACID) compliance in the data tier. Which solution should a solutions architect recommend?

- A. Use Amazon DynamoDB transactions
- B. Create an Amazon Neptune database in a Multi AZ design
- C. Use a fully managed Amazon RDS for MySQL database in a Multi-AZ design
- D. Deploy PostgreSQL on an Amazon EC2 instance that uses Amazon EBS Throughput Optimized HDD (st1) storage.

**Answer: A**

**QUESTION 210**

A company runs a web service on Amazon EC2 instances behind an Application Load Balancer. The instances run in an Amazon EC2 Auto Scaling group across two Availability zones. The company needs a minimum of four instances at all times to meet the required service level agreement (SLA) while keeping costs low. If an Availability Zone fails, how can the company remain compliant with the SLA?

- A. Add a target tracking scaling policy with a short cooldown period
- B. Change the Auto Scaling group launch configuration to use a larger instance type
- C. Change the Auto Scaling group to use six servers across three Availability Zones
- D. Change the Auto Scaling group to use eight servers across two Availability Zones

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**Answer: A**

**QUESTION 211**

An ecommerce company has noticed performance degradation of its Amazon RDS based web application. The performance degradation is attribute to an increase in the number of read-only SQL queries triggered by business analysts.

A solution architect needs to solve the problem with minimal changes to the existing web application. What should the solution architect recommend?

- A. Export the data to Amazon DynamoDB and have the business analysts run their queries.
- B. Load the data into Amazon ElasticCache and have the business analysts run their queries.
- C. Create a read replica of the primary database and have the business analysts run their queries.
- D. Copy the data into an Amazon Redshift cluster and have the business analysts run their queries.

**Answer: C**

**QUESTION 212**

A company is building applications in containers.

The company wants to migrate its on-premises development and operations services from its on-premises data center to AWS.

Management states that production system must be cloud agnostic and use the same configuration and administrator tools across production systems.

A solutions architect needs to design a managed solution that will align open-source software.

Which solution meets these requirements?

- A. Launch the containers on Amazon EC2 with EC2 instance worker nodes.
- B. Launch the containers on Amazon Elastic Kubernetes Service (Amazon EKS) and EKS workers nodes.
- C. Launch the containers on Amazon Elastic Containers service (Amazon ECS) with AWS Fargate instances.
- D. Launch the containers on Amazon Elastic Container Service (Amazon EC) with Amazon EC2 instance worker nodes.

**Answer: C**

**QUESTION 213**

A company is running a two-tier ecommerce website using services.

The current architect uses a publish- facing Elastic Load Balancer that sends traffic to Amazon EC2 instances in a private subnet.

The static content is hosted on EC2 instances, and the dynamic content is retrieved from a MYSQL database.

The application is running in the United States. The company recently started selling to users in Europe and Australia.

A solution architect needs to design solution so their international users have an improved browsing experience.

Which solution is MOST cost-effective?

- A. Host the entire website on Amazon S3.
- B. Use Amazon CloudFront and Amazon S3 to host static images.
- C. Increase the number of public load balancers and EC2 instances
- D. Deploy the two-tier website in AWS Regions in Europe and Australia.

**Answer: B**

**QUESTION 214**

A database is on an Amazon RDS MYSQL 5.6 Multi-AZ DB instance that experience highly dynamic reads.

Application developers notice a significant slowdown when testing read performance from a secondary AWS Region.

The developers want a solution that provides less than 1 second of read replication latency.

What should the solutions architect recommend?

- A. Install MySQL on Amazon EC2 in (he secondary Region.
- B. Migrate the database to Amazon Aurora with cross-Region replicas.
- C. Create another RDS for MySQL read replica in the secondary.
- D. Implement Amazon ElastiCache to improve database query performance.

**Answer: B**

**QUESTION 215**

An operations team has a standard that states IAM policies should not be applied directly to users. Some new members have not been following this standard.

The operation manager needs a way to easily identify the users with attached policies.

What should a solutions architect do to accomplish this?

- A. Monitor using AWS CloudTrail
- B. Create an AWS Config rule to run daily
- C. Publish IAM user changes to Amazon SNS
- D. Run AWS Lambda when a user is modified

**Answer: A**

**QUESTION 216**

A company has established a new AWS account.

The account is newly provisioned and no changes have been made to the default settings.

The company is concerned about the security of the AWS account root user.

What should be done to secure the root user?

- A. Create IAM users for daily administrative tasks.  
Disable the root user.
- B. Create IAM users for daily administrative tasks.  
Enable multi-factor authentication on the root user.
- C. Generate an access key for the root user.  
Use the access key for daily administration tasks instead of the AWS Management Console.
- D. Provide the root user credentials to the most senior solution architect.  
Have the solution architect use the root user for daily administration tasks.

**Answer: D**

**QUESTION 217**

A healthcare company stores highly sensitive patient records.

Compliance requires that multiple copies be stored in different locations. Each record must be stored for 7 years.

The company has a service level agreement (SLA) to provide records to government agencies immediately for the first 30 days and then within 4 hours of a request thereafter.

What should a solutions architect recommend?

- A. Use Amazon S3 with cross-Region replication enabled.  
After 30 days, transition the data to Amazon S3 Glacier using lifecycle policy
- B. Use Amazon S3 with cross-origin resource sharing (CORS) enabled.  
After 30 days, transition the data to Amazon S3 Glacier using a lifecycle policy.
- C. Use Amazon S3 with cross-Region replication enabled.  
After 30 days, transition the data to Amazon S3 Glacier Deep Archive using a lifecycle policy
- D. Use Amazon S3 with cross-origin resource sharing (GORS) enabled.  
After 30 days, transition the data to Amazon S3 Glacier Deep Archive using a lifecycle policy

**Answer:** A

**QUESTION 218**

A solutions architect must create a highly available bastion host architecture.

The solution needs to be resilient within a single AWS Region and should require only minimal effort to maintain.

What should the solutions architect do to meet these requirements?

- A. Create a Network Load Balancer backed by an Auto Scaling group with a UDP listener.
- B. Create a Network Load Balancer backed by a Spot Fleet with instances in a group with instances in a partition placement group.
- C. Create a Network Load Balancer backed by the existing servers in different Availability Zones as the target.
- D. Create a Network Load Balancer backed by an Auto Scaling with instances in multiple Availability zones as the target

**Answer:** D