

Amazon SOA-C02 Exam Dumps - Easiest Preparation Method [2026]



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Amazon SOA-C02 or AWS Certified SysOps Administrator - Associate (SOA-C02) is a certification exam that validates the skills and expertise of professionals in deploying, managing, and operating scalable, highly available, and fault-tolerant systems on the AWS platform. SOA-C02 Exam is designed to test the knowledge of candidates in various domains, including deployment, management, operations, security, and troubleshooting of AWS services.

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Amazon AWS Certified SysOps Administrator - Associate (SOA-C02) Sample Questions (Q482-Q487):

NEW QUESTION # 482

A company hosts its website in the us-east-1 Region. The company is preparing to deploy its website into the eu-central-1 Region. Website visitors who are located in Europe should access the website that is hosted in eu-central-1. All other visitors access the website that is hosted in us-east-1. The company uses Amazon Route 53 to manage the website's DNS records.

Which routing policy should a SysOps administrator apply to the Route 53 record set to meet these requirements?

- A. Latency routing policy
- **B. Geolocation routing policy**
- C. Geoproximity routing policy
- D. Multivalue answer routing policy

Answer: B

Explanation:

Reference:

geolocation "Geolocation routing lets you choose the resources that serve your traffic based on the geographic location of your users, meaning the location that DNS queries originate from. For example, you might want all queries from Europe to be routed to an ELB load balancer in the Frankfurt region." Could be confused with geoproximity - "Geoproximity routing lets Amazon Route 53 route traffic to your resources based on the geographic location of your users and your resources. You can also optionally choose to route more traffic or less to a given resource by specifying a value, known as a bias. A bias expands or shrinks the size of the geographic region from which traffic is routed to a resource" the use case is not needed as per question.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html>

NEW QUESTION # 483

A company is deploying a third-party unit testing solution that is delivered as an Amazon EC2 Amazon Machine Image (AMI). All system configuration data is stored in Amazon DynamoDB. The testing results are stored in Amazon S3.

A minimum of three EC2 instances are required to operate the product. The company's testing team wants to use an additional three EC2 Instances when the Spot Instance prices are at a certain threshold. A SysOps administrator must implement a highly available solution that provides this functionality.

Which solution will meet these requirements with the LEAST operational overhead?

- **A. Define an Amazon EC2 Auto Scaling group by using a launch template. Use the provided AMI in the launch template. Configure three On-Demand Instances and three Spot Instances. Configure a maximum Spot Instance price in the launch template.**
- B. Define two Amazon EC2 Auto Scaling groups by using launch templates. Use the provided AMI in the launch templates. Configure three On-Demand Instances for one Auto Scaling group. Configure three Spot Instances for the other Auto Scaling group. Configure a maximum Spot Instance price in the launch template for the Auto Scaling group that has Spot Instances.
- C. Define two Amazon EC2 Auto Scaling groups by using launch configurations. Use the provided AMI in the launch configurations. Configure three On-Demand Instances for one Auto Scaling group. Configure three Spot Instances for the other Auto Scaling group. Configure a maximum Spot Instance price in the launch configuration for the Auto Scaling group that has Spot Instances.
- D. Define an Amazon EC2 Auto Scaling group by using a launch configuration. Use the provided AMI in the launch configuration. Configure three On-Demand Instances and three Spot Instances. Configure a maximum Spot Instance price in the launch configuration.

Answer: A

Explanation:

To implement a highly available solution that provides the functionality to use a minimum of three On-Demand instances and three Spot instances when prices are at a certain threshold, defining an Amazon EC2 Auto Scaling group using a launch template is the most suitable solution. This approach minimizes operational overhead by consolidating configuration and management tasks.

* Define a Launch Template:

- * Use the provided AMI in the launch template.
- * Configure the instance type, key pair, security groups, and other necessary parameters.
- * Create an Auto Scaling Group:
- * Use the launch template for the Auto Scaling group.
- * Specify a desired capacity of three On-Demand instances.
- * Configure the Auto Scaling group to use mixed instances policies, which allow you to specify a combination of On-Demand and Spot instances.
- * Set the maximum price for Spot instances in the launch template to ensure that Spot instances are used only when their prices are below the specified threshold.
- * Configuration Steps:
- * Open the EC2 console and navigate to "Launch Templates."
- * Create a new launch template with the necessary configurations.
- * Navigate to "Auto Scaling Groups" and create a new Auto Scaling group using the launch template.
- * Configure the desired capacity, minimum capacity, and maximum capacity.
- * Under "Advanced Options," specify the mixed instances policy and set the maximum price for Spot instances.

References:

- * Amazon EC2 Auto Scaling Launch Templates
- * Auto Scaling Mixed Instances Policies

NEW QUESTION # 484

With the threat of ransomware viruses encrypting and holding company data hostage, which action should be taken to protect an Amazon S3 bucket?

- A. Enable snapshots on the bucket.
- B. Enable server-side encryption on the bucket.
- C. Deny Post, Put, and Delete on the bucket.
- D. Enable Amazon S3 versioning on the bucket.

Answer: D

Explanation:

Step-by-Step Explanation:

- * Understand the Problem:
- * The threat of ransomware encrypting and holding company data hostage.
- * Need to protect an Amazon S3 bucket.
- * Analyze the Requirements:
- * Ensure that data in the S3 bucket is protected against unauthorized encryption or deletion.
- * Evaluate the Options:
- * Option A: Deny Post, Put, and Delete on the bucket.
- * Denying these actions would prevent any uploads or modifications to the bucket, making it unusable.
- * Option B: Enable server-side encryption on the bucket.
- * Server-side encryption protects data at rest but does not prevent the encryption of data by ransomware.
- * Option C: Enable Amazon S3 versioning on the bucket.
- * S3 versioning keeps multiple versions of an object in the bucket. If a file is overwritten or encrypted by ransomware, previous versions of the file can still be accessed.
- * Option D: Enable snapshots on the bucket.
- * Amazon S3 does not have a snapshot feature; this option is not applicable.
- * Select the Best Solution:
- * Option C: Enabling Amazon S3 versioning is the best solution as it allows access to previous versions of objects, providing protection against ransomware encryption by retaining prior, unencrypted versions.

Amazon S3 Versioning

Best Practices for Protecting Data with Amazon S3

Enabling S3 versioning ensures that previous versions of objects are preserved, providing a safeguard against ransomware by allowing recovery of unencrypted versions of data.

NEW QUESTION # 485

An application uses an Amazon Aurora MySQL DB cluster that includes one Aurora Replica. The application's read performance degrades when there are more than 200 user connections. The number of user connections is approximately 180 on a consistent

basis Occasionally, the number of user connections increases rapidly to more than 200 A SysOps administrator must implement a solution that will scale the application automatically as user demand increases or decreases. Which solution will meet these requirements?

- A. Modify the DB cluster by changing to serverless mode whenever the number of user connections exceeds 200.
- **B. Create an auto scaling policy that has a target value of 195 for the DatabaseConnections metric.**
- C. Migrate to a new Aurora DB cluster that has multiple writer instances. Modify the application's database connection string.
- D. Modify the DB cluster by increasing the Aurora Replica instance size.

Answer: B

Explanation:

Aurora Auto Scaling:

* Aurora Auto Scaling adjusts the number of Aurora Replicas in response to changes in connectivity or workload.

* Steps:

* Go to the AWS Management Console.

* Navigate to RDS and select the Aurora cluster.

* Under "Actions," choose "Add Aurora Replica" to initially add replicas if needed.

* Go to the "Auto Scaling" section and create an auto scaling policy.

* Set the target value for the DatabaseConnections metric to 195.

* Define the minimum and maximum number of replicas.

* Save the configuration.

* This ensures that the Aurora cluster scales automatically when the number of connections approaches the threshold, improving read performance.

* Aurora Auto Scaling

NEW QUESTION # 486

A company is experiencing issues with legacy software running on Amazon EC2 instances. Errors occur when the total CPU utilization on the EC2 instances exceeds 80%. A short-term solution is required while the software is being rewritten. A SysOps administrator is tasked with creating a solution to restart the instances when the CPU utilization rises above 80%.

Which solution meets these requirements with the LEAST operational overhead?

- A. Add an Amazon CloudWatch alarm for CPU utilization and configure an AWS Systems Manager Automation runbook to reboot the EC2 instances when utilization exceeds 80%.
- B. Write a script that monitors the CPU utilization of the EC2 instances and reboots the instances when utilization exceeds 80%. Run the script as a cron job.
- C. Create an Amazon EventBridge rule using the predefined patterns for CPU utilization of the EC2 instances. When utilization exceeds 80%, invoke an AWS Lambda function to restart the instances.
- **D. Add an Amazon CloudWatch alarm for CPU utilization and configure the alarm action to reboot the EC2 instances.**

Answer: D

Explanation:

The simplest and most efficient solution to ensure that EC2 instances are restarted when CPU utilization exceeds 80% is to use Amazon CloudWatch alarms:

Create a CloudWatch Alarm: Navigate to the CloudWatch dashboard in the AWS Management Console and create a new alarm. Set the alarm to monitor the CPU utilization metric of the EC2 instances.

Set the Alarm Condition: Configure the alarm to trigger when the CPU utilization exceeds 80%. You can specify this threshold in the alarm settings.

Configure Alarm Actions: In the actions settings of the alarm, select the option to reboot the instance. This action ensures that the instance is automatically restarted whenever the alarm condition is met, without the need for manual intervention or additional scripts. This method leverages AWS's native capabilities, minimizing operational overhead and eliminating the need for external tools or custom scripts.

NEW QUESTION # 487

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