Guaranteed Success with Amazon SOA-C02 Dumps

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To make sure your situation of passing the certificate efficiently, our SOA-C02 practice materials are compiled by first-rank experts. So the proficiency of our team is unquestionable. They help you review and stay on track without wasting your precious time on useless things. They handpicked what the SOA-C02 Study Guide usually tested in exam recent years and devoted their knowledge accumulated into these SOA-C02 actual tests.

Amazon SOA-C02 Exam Syllabus Topics:

Topic	Details
Topic 1	• Networking and Content Delivery: In this topic, AWS system administrators develop skills to implement networking features and connectivity solutions. It includes configuring domains, DNS services, and content delivery mechanisms, along with troubleshooting network connectivity issues. The focus here is on ensuring seamless communication and efficient content delivery within cloud systems.
Topic 2	• Security and Compliance: This topic delves into implementing and managing security and compliance policies to safeguard AWS environments. System administrators learn about data and infrastructure protection strategies, ensuring adherence to regulatory standards. It evaluates expertise in maintaining secure and compliant cloud operations, crucial for minimizing risks and ensuring trust.
Topic 3	• Cost and Performance Optimization: This topic focuses on cost optimization strategies to manage and reduce operational expenses effectively. It also covers performance optimization techniques to ensure cloud resources operate efficiently under varying workloads. AWS system administrators are assessed on their ability to deliver cost-effective and high-performance solutions tailored to organizational needs.

Topic 4	• Monitoring, Logging, and Remediation: In this topic, AWS system administrators gain expertise in leveraging AWS monitoring and logging services to implement metrics, alarms, and filters effectively. Additionally, it covers remediation techniques using monitoring and availability metrics to resolve operational issues. This topic evaluates the ability to maintain system health and respond to anomalies promptly, ensuring robust system operations.
Topic 5	• Deployment, Provisioning, and Automation: AWS system administrators are introduced to provisioning and maintaining cloud resources efficiently while automating manual or repetitive tasks. This topic highlights the practical application of automation to streamline operations, reduce errors, and optimize workflows. It assesses the ability to maintain operational efficiency in dynamic cloud environments.

The SOA-C02 Exam is the updated version of the previous SOA-C01 exam, and it includes new topics and technologies that have been introduced in AWS. The updated exam focuses on the latest AWS services and features, such as AWS Organizations, AWS Control Tower, AWS Security Hub, and AWS Systems Manager. SOA-C02 exam also covers advanced topics like AWS CloudFormation, AWS CloudTrail, and AWS Config.

SOA-C02 Official Study Guide & SOA-C02 New Study Materials

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The SOA-C02 Exam is an updated version of the previous SOA-C01 exam, which was retired by AWS on July 1, 2021. The new exam covers the latest AWS services and features, including AWS Organizations, AWS Control Tower, AWS Systems Manager, and AWS Config. It also tests the candidate's ability to monitor and troubleshoot AWS services, as well as their knowledge of security and compliance best practices.

Amazon AWS Certified SysOps Administrator - Associate (SOA-C02) Sample Questions (Q385-Q390):

NEW QUESTION # 385
A company has applications that process transaction requests multiple times each minute. The applications write transaction data to a single Amazon RDS DB instance. As the company begins to process more transactions, the company becomes concerned that it has no failover solution in place for disaster recovery (DR). The company needs the DB instance to fail over automatically without losing any committed transactions.
Which solution will meet these requirements?

- A. Setup an Amazon CloudWatch alarm that monitors the DB instance memory utilization with a threshold greater than 90%. Invoke an AWS Lambda function to restart the DB instance.
- B. Modify the DB instance to be a Multi-AZ deployment.
- C. Create an RDS read replica in a different AWS Region. Configure an AWS Lambda function to promote the replica as the primary DB instance during a DR scenario.
- D. Create an RDS read replica in the same AWS Region. Configure an AWS Lambda function to promote the replica as the primary DB instance during a DR scenario.

Answer: B

Explanation:
For an RDS instance that needs high availability and automatic failover capabilities, setting it up as a Multi-AZ deployment is the most effective solution:
Multi-AZ Deployment: This feature allows Amazon RDS to automatically provision and manage a synchronous standby replica of your database in a different Availability Zone (AZ). The primary DB instance and the standby replica contain the same data, providing data redundancy and fail-safe mechanism.
Automatic Failover: In the event of a planned or unplanned outage of your primary DB instance (including DB instance failure, AZ failure, or network failure), RDS automatically fails over to the standby so that database operations can resume quickly without administrative intervention.

Data Integrity: This setup ensures no data loss for committed transactions, as the standby replica is always in sync with the primary. By enabling Multi-AZ deployment, you ensure that your database environment has high availability and robustness, addressing both disaster recovery and operational continuity without losing any committed transactions.

NEW QUESTION # 386

A SysOps administrator is deploying an application on 10 Amazon EC2 instances. The application must be highly available. The instances must be placed on distinct underlying hardware.
What should the SysOps administrator do to meet these requirements?

- A. Launch the instances into a spread placement group in multiple AWS Regions.
- B. Launch the instances into a partition placement group in multiple AWS Regions.
- C. Launch the instances into a spread placement group in single AWS Region.
- D. Launch the instances into a cluster placement group in a single AWS Region.

Answer: B

NEW QUESTION # 387

An errant process is known to use an entire processor and run at 100%. A SysOps administrator wants to automate restarting the instance once the problem occurs for more than 2 minutes.
How can this be accomplished?

- A. Create an Amazon CloudWatch alarm for the Amazon EC2 instance with basic monitoring. Enable an action to restart the instance.
- B. Create an AWS Lambda function to restart the EC2 instance, triggered on a scheduled basis every 2 minutes.
- C. Create a Lambda function to restart the EC2 instance, triggered by EC2 health checks.
- D. Create a CloudWatch alarm for the EC2 instance with detailed monitoring. Enable an action to restart the instance.

Answer: D

Explanation:
To automate restarting an EC2 instance when it uses an entire processor and runs at 100% for more than 2 minutes, follow these steps:
* Enable Detailed Monitoring: Ensure that your EC2 instance has detailed monitoring enabled. This provides data at 1-minute intervals, which is necessary for setting a CloudWatch alarm based on CPU usage.
* Create a CloudWatch Alarm:
* Go to the CloudWatch console.
* Click on "Alarms" and then "Create Alarm."
* Select "EC2 Metrics" and choose the instance for which you want to create the alarm.
* Select the CPU utilization metric.
* Set the threshold type to static and define the threshold (e.g., CPU utilization > 90% for 2 consecutive periods of 1 minute each).
* Configure the alarm actions to specify the action to take when the alarm state is triggered. Choose the "EC2 action" and then "Reboot instance."
* Review and Create: Review the settings and create the alarm.
References:
* Amazon CloudWatch Alarms
* Amazon EC2 Monitoring

NEW QUESTION # 388

A company has an online gaming application that is experiencing increased usage. The application stores data in a single Amazon DynamoDB table. Forecasts indicate that the application will receive more than 2 million requests each second.
The load on the DynamoDB table consists mostly of read operations. The reads can have eventual consistency. A SysOps administrator must implement a solution to keep the application's response times as low as possible.
Which solution will meet these requirements?

- A. Create an Amazon RDS proxy. Configure the application to access DynamoDB by using the RDS proxy.
- B. Create a DynamoDB Accelerator (DAX) cluster. Configure the application to use the DAX client.
- C. Configure the application use strongly consistent reads from the DynamoDB table.

- D. Load the data into the Amazon S3 Standard storage class. Create an accelerator in AWS Global Accelerator for the application.

Answer: B

Explanation:
DynamoDB Accelerator (DAX) is a caching service for DynamoDB that provides in-memory acceleration for read-heavy workloads. By deploying a DAX cluster and configuring the application to use the DAX client, you can reduce the latency for read operations significantly.
Given that the workload consists mostly of eventual consistency reads and that the application is expected to handle more than 2 million requests per second, DAX is the optimal solution to keep response times low.

NEW QUESTION # 389
A company is undergoing an external audit of its systems, which run wholly on AWS. A SysOps administrator must supply documentation of Payment Card Industry Data Security Standard (PCI DSS) compliance for the infrastructure managed by AWS. Which set of action should the SysOps administrator take to meet this requirement?

- A. Download the applicable reports from the AWS Artifact portal and supply these to the auditors.
- B. Provide the auditors with administrative access to the production AWS account so that the auditors can determine compliance.
- C. Download complete copies of the AWS CloudWatch logs and supply these to the auditors.
- D. Download complete copies of the AWS CloudTrail log files and supply these to the auditors.

Answer: A

Explanation:
To supply documentation of Payment Card Industry Data Security Standard (PCI DSS) compliance for the infrastructure managed by AWS, the SysOps administrator should download the applicable reports from the AWS Artifact portal.
* AWS Artifact:
* AWS Artifact is a service that provides on-demand access to AWS' security and compliance reports and select online agreements.
* It includes compliance reports for standards such as PCI DSS, SOC, ISO, and more.
* Steps to Access Reports:
* Open the AWS Management Console.
* Navigate to the AWS Artifact console.
* Browse and download the PCI DSS compliance report.
* Providing Documentation:
* Download the relevant PCI DSS reports and provide them to the auditors as required.
References:
* AWS Artifact
* PCI DSS Compliance

NEW QUESTION # 390
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