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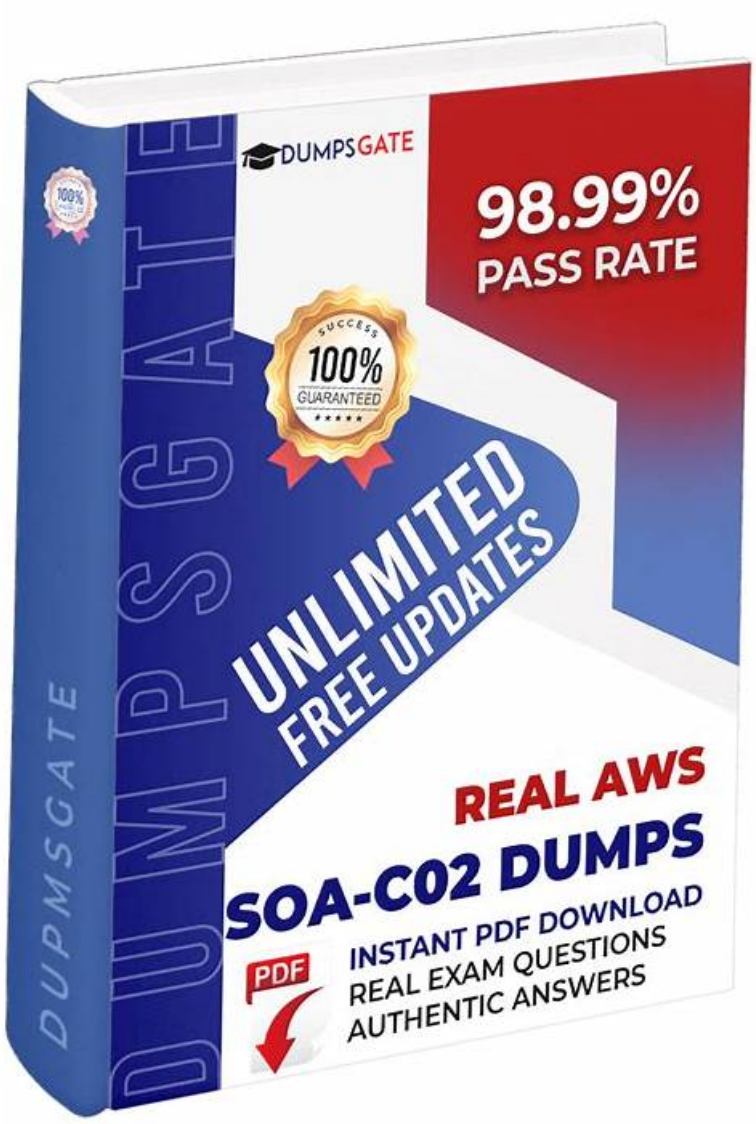

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The SOA-C02 exam consists of multiple-choice questions and is designed to test the candidate's ability to design, deploy, and manage scalable, highly available, and fault-tolerant systems on AWS. Candidates must have a solid understanding of AWS services such as EC2, S3, RDS, CloudFormation, CloudWatch, and Elastic Load Balancing (ELB). SOA-C02 exam also tests the candidate's ability to monitor and troubleshoot issues related to AWS services, as well as their knowledge of security best practices and compliance requirements in AWS environments.

The SOA-C02 Exam is the updated version of the previous SOA-C01 exam. The new version of the exam has been designed to reflect the latest changes in the AWS platform, including the addition of new services and features. The updated exam also emphasizes the importance of automation and monitoring in managing and operating applications on AWS. Candidates who have already passed the SOA-C01 exam are encouraged to take the updated exam to demonstrate their knowledge of the latest AWS technologies.

100% Pass 2025 Amazon SOA-C02: AWS Certified SysOps Administrator - Associate (SOA-C02) –Trustable New Dumps Ebook

Our SOA-C02 guide torrent has gone through strict analysis and summary according to the past exam papers and the popular trend in the industry and are revised and updated according to the change of the syllabus and the latest development conditions in the theory and the practice. The SOA-C02 exam questions have simplified the sophisticated notions. The software boosts varied self-learning and self-assessment functions to check the learning results. The software of our SOA-C02 Test Torrent provides the statistics report function and help the students find the weak links and deal with them.

AWS SOA-C02 Exam Certification Details:

Number of Questions	65
Duration	180 minutes
Passing Score	720 / 1000
Exam Code	SOA-C02
Sample Questions	AWS SOA-C02 Sample Questions
Exam Name	AWS SysOps Administrator Associate (AWS-SysOps)

Amazon AWS Certified SysOps Administrator - Associate (SOA-C02) Sample Questions (Q245-Q250):

NEW QUESTION # 245
A company is managing multiple AWS accounts in AWS Organizations. The company is reviewing internal security of its AWS environment. The company's security administrator has their own AWS account and wants to review the VPC configuration of developer AWS accounts.
Which solution will meet these requirements in the MOST secure manner?

- A. Create an IAM policy in each developer account that has read-only access related to VPC resources Assign the policy to an IAM user. Share the user credentials with the security administrator.
- B. Create an IAM policy in each developer account that has administrator access to all Amazon EC2 actions, including VPC actions. Assign the policy to an IAMuser. Share the user credentials with the security administrator.
- C. Create an IAM policy in each developer account that has read-only access related to VPC resources Assign the policy to a cross-account IAM role Ask the security administrator to assume the role from their account.
- D. Create an IAM policy in each developer account that has administrator access related to VPC resources.
  Assign the policy to a cross-account IAM role. Ask the security administrator to assume the role from their account.

Answer: C

Explanation:
To securely allow a security administrator to review the VPC configuration of developer AWS accounts, the best approach is to create a cross-account IAM role with read-only access to VPC resources. Here's how to do it:
* Create IAM Policy:
* In each developer account, create an IAM policy with read-only permissions "Version": "2012-10-
17",
"Statement": [
{
"Effect": "Allow",
"Action": [
"ec2:DescribeVpcs",
"ec2:DescribeSubnets",
"ec2:DescribeRouteTables",
"ec2:DescribeSecurityGroups",
"ec2:DescribeNetworkAcls"
],

"Resource": "*"
}
]
}
* Create Cross-Account IAM Role:
* Create an IAM role in each developer account, assign the read-only policy to the role, and allow the security administrator's account to assume the role.
{
"Version": "2012-10-17",
"Statement": [
{
"Effect": "Allow",
"Principal": {
"AWS": "arn:aws:iam::security-admin-account-id:root"
},
"Action": "sts:AssumeRole"
}
]
}
* Assume the Role:
* The security administrator can assume the role from their own account using the AWS Management Console or AWS CLI.
aws sts assume-role --role-arn arn:aws:iam::developer-account-id:role/role-name --role-session-name security- admin-session
* Review VPC Configuration:
* After assuming the role, the security administrator can review the VPC configuration using the AWS Management Console or AWS CLI with the temporary credentials.
IAM Policies and Roles
Cross-Account Access
AWS CLI Assume Role

NEW QUESTION # 246
A SysOps administrator noticed that the cache hit ratio for an Amazon CloudFront distribution is less than 10%.
Which collection of configuration changes will increase the cache hit ratio for the distribution? (Select TWO.)

- A. Increase the CloudFront time to live (TTL) settings in the Cache Behavior Settings.
- B. Ensure that only required cookies, query strings, and headers are forwarded in the Cache Behavior Settings.
- C. Change the Viewer Protocol Policy to use HTTPS only.
- D. Configure the distribution to use presigned cookies and URLs to restrict access to the distribution.
- E. Enable automatic compression of objects in the Cache Behavior Settings.

Answer: A,B

Explanation:
To increase the cache hit ratio for an Amazon CloudFront distribution, you can make several adjustments to its configuration:
* Minimize Forwarding of Cookies, Query Strings, and Headers:
* By default, CloudFront caches based on URL, but if it forwards headers, cookies, and query strings to the origin, it can decrease the cache hit ratio.
* Navigate to your CloudFront distribution in the AWS Management Console.
* In the Behaviors tab, edit the cache behavior.
* Set the option to forward only the necessary cookies, query strings, and headers. This reduces the variations of objects stored in the cache.
* Increase Time to Live (TTL) Settings:
* Increasing the TTL allows objects to stay in the cache for a longer period, reducing the frequency of fetching data from the origin.
* In the same Behaviors tab, adjust the Minimum TTL, Maximum TTL, and Default TTL settings to higher values. This ensures that content remains cached for a longer duration before it needs to be fetched again from the origin.
References:
* Cache Behavior Settings
* Optimizing Cache Behavior

NEW QUESTION # 247
A SysOps administrator is testing an application mat is hosted on five Amazon EC2 instances The instances run in an Auto Scaling group behind an Application Load Balancer (ALB) High CPU utilization during load testing is causing the Auto Scaling group to scale out. The SysOps administrator must troubleshoot to find the root cause of the high CPU utilization before the Auto Scaling group scales out.
Which action should the SysOps administrator take to meet these requirements?

- A. Enable instance scale-in protection.
- B. Suspend the Launch and Terminate process types.
- C. Remove the listener from the ALB
- D. Place the instance into the Standby stale.

Answer: B

Explanation:
To troubleshoot high CPU utilization during load testing without scaling out, the SysOps administrator should suspend the Launch and Terminate process types in the Auto Scaling group.
* Suspending Processes:
* Suspending the Launch and Terminate processes will temporarily stop the Auto Scaling group from adding or removing instances, allowing for troubleshooting without automatic scaling interruptions.
* This ensures that the root cause of the high CPU utilization can be investigated without the Auto Scaling group launching additional instances.
* Steps to Suspend Processes:
* Go to the Auto Scaling group in the AWS Management Console.
* Select the group and choose the "Suspend Processes" option.
* Suspend the Launch and Terminate processes.
* After troubleshooting, resume the processes to re-enable scaling.
Reference: Suspending and Resuming Scaling Processes

NEW QUESTION # 248
A company is using Amazon EventBridge to deliver events to an Amazon Simple Queue Service (Amazon SQS) queue. The solution was fully functional until the company enabled AWS Key Management Service (AWS KMS) encryption with a customer managed key on the SQS queue.
A SysOps administrator must add KMS permissions to allow EventBridge to publish to the KMS encrypted SQS queue. The SysOps administrator must add the permissions to the Action section of the following KMS encryption key policy:

```
"Sid": "Allow EventBridge to use the key"
"Effect": "Allow",
"Principal": {
    "Service": "events.amazonaws.com"
},
"Action": [
    "xxx",
    "xxx"
],
"Resource": "*"
```


Which two permissions will allow EventBridge to publish to the KMS encrypted SQS queue?

- A. "kms:Encrypt", "kms:DescribeKey"
- B. "kms:Decrypt", "kms:GenerateDataKey"
- C. "kms:Decrypt", "kms:GetPublicKey"

- D. "kms:Encrypt",
  "kms:GetPublicKey"

Answer: A

Explanation:
The AWS documentation states that when you use a customermanaged CMK with Amazon EventBridge, the key policy must allow the service principal (events.amazonaws.com) to call the following KMS API operations on the CMK:
kms:Encrypt
kms:GenerateDataKey
EventBridge uses these two operations when it publishes events to an SQS queue encrypted with a customer-managed key. The Encrypt operation is used to encrypt the event data, and GenerateDataKey is used to create a data key for envelope encryption. Adding these two permissions to the key policy's Action section ensures that EventBridge can successfully publish events to the KMSencrypted SQS queue.

NEW QUESTION # 249
A company has a public website that recently experienced problems. Some links led to missing webpages, and other links rendered incorrect webpages. The application infrastructure was running properly, and all the provisioned resources were healthy. Application logs and dashboards did not show any errors, and no monitoring alarms were raised. Systems administrators were not aware of any problems until end users reported the issues.
The company needs to proactively monitor the website for such issues in the future and must implement a solution as soon as possible.
Which solution will meet these requirements with the LEAST operational overhead?

- A. Create an AWS Lambda function to test the website. Configure the Lambda function to emit an Amazon CloudWatch custom metric when errors are detected. Configure a CloudWatch alarm to provide alerts when issues are detected.
- B. Create an Amazon CloudWatch Synthetics canary. Use the CloudWatch Synthetics Recorder plugin to generate the script for the canary run. Configure the canary in line with requirements. Create an alarm to provide alerts when issues are detected.
- C. Rewrite the application to surface a custom error to the application log when issues occur.
  Automatically parse logs for errors. Create an Amazon CloudWatch alarm to provide alerts when issues are detected.

Answer: B

Explanation:
Amazon CloudWatch Synthetics allows you to create canaries that monitor your endpoints and APIs. Canaries are scripts that run on a schedule to check your application's availability and performance, and can detect issues before your customers do.
* Create a CloudWatch Synthetics Canary:
* Open the Amazon CloudWatch console at Amazon CloudWatch Console.
* Navigate to Synthetics and choose Create Canary.
* Use the CloudWatch Synthetics Recorder plugin to generate the script for the canary run.
* Configure the Canary:
* Define the schedule for the canary to run (e.g., every minute).
* Specify the endpoint URL of the website.
* Configure the canary to check for specific errors or issues based on your requirements.
* Create Alarms:
* Set up CloudWatch alarms to notify you when the canary detects issues. You can configure the alarm to send notifications via Amazon SNS.
References:
* Creating and Managing Canaries
* CloudWatch Synthetics

NEW QUESTION # 250
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