Quiz 2026 Marvelous Amazon SOA-C03: AWS Certified CloudOps Engineer - Associate Frenquent Update

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Amazon SOA-C03 Exam Syllabus Topics:

Topic	Details
Topic 1	• Reliability and Business Continuity: This section measures the skills of System Administrators and focuses on maintaining scalability, elasticity, and fault tolerance. It includes configuring load balancing, auto scaling, Multi-AZ deployments, implementing backup and restore strategies with AWS Backup and versioning, and ensuring disaster recovery to meet RTO and RPO goals.
Topic 2	• Monitoring, Logging, Analysis, Remediation, and Performance Optimization: This section of the exam measures skills of CloudOps Engineers and covers implementing AWS monitoring tools such as CloudWatch, CloudTrail, and Prometheus. It evaluates configuring alarms, dashboards, and notifications, analyzing performance metrics, troubleshooting issues using EventBridge and Systems Manager, and applying strategies to optimize compute, storage, and database performance.
Topic 3	• Security and Compliance: This section measures skills of Security Engineers and includes implementing IAM policies, roles, MFA, and access controls. It focuses on troubleshooting access issues, enforcing compliance, securing data at rest and in transit using AWS KMS and ACM, protecting secrets, and applying findings from Security Hub, GuardDuty, and Inspector.

Topic 4	• Deployment, Provisioning, and Automation: This section measures the skills of Cloud Engineers and covers provisioning and maintaining cloud resources using AWS CloudFormation, CDK, and third-party tools. It evaluates automation of deployments, remediation of resource issues, and managing infrastructure using Systems Manager and event-driven processes like Lambda or S3 notifications.
Topic 5	• Networking and Content Delivery: This section measures skills of Cloud Network Engineers and focuses on VPC configuration, subnets, routing, network ACLs, and gateways. It includes optimizing network cost and performance, configuring DNS with Route 53, using CloudFront and Global Accelerator for content delivery, and troubleshooting network and hybrid connectivity using logs and monitoring tools.

SOA-C03 Reliable Exam Sample - SOA-C03 Dump Check

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Amazon AWS Certified CloudOps Engineer - Associate Sample Questions (Q20-Q25):

NEW QUESTION # 20
A CloudOps engineer is examining the following AWS CloudFormation template:

```
AWSTemplateFormatVersion: '2010-09-09'
Description: 'Creates an EC2 Instance'
Resources:
    EC2Instance:
      Type: AWS::EC2::Instance
      Properties:
        ImageId: ami-7[illegible]
        InstanceType: m5n.large
        SubnetId: subnet-1abc3d3fg
        PrivateDnsName: ip-10-24-34-0.ec2.internal
        Tags:
          - Key: Name
            Value: !Sub "${AWS::StackName} Instance"
```


Why will the stack creation fail?

- A. The VPC was not specified in the CloudFormation template.
- B. The Parameters section of the CloudFormation template was omitted.
- C. The Outputs section of the CloudFormation template was omitted.
- D. The PrivateDnsName cannot be sot from a CloudFormation template.

Answer: D

Explanation:
In AWS CloudFormation, the PrivateDnsName property of an AWS::EC2::Instance resource is a read-only attribute automatically assigned by AWS when the instance is launched. It cannot be manually specified in the template. Attempting to define it causes stack creation to fail with a validation error. CloudFormation manages this value based on the subnet and VPC DNS configuration, so it must be omitted from the template.

NEW QUESTION # 21
An environment consists of 100 Amazon EC2 Windows instances. The Amazon CloudWatch agent is deployed and running on all EC2 instances with a baseline configuration file to capture log files. There is a new requirement to capture the DHCP log files that exist on 50 of the instances.

What is the MOST operationally efficient way to meet this new requirement?

- A. Create an additional CloudWatch agent configuration filo to capture the DHCP logs. Use the AWS Systems Manager Run Command to restart the CloudWatch agent on each EC2 instance with the append-config option to apply the additional configuration file.
- B. Run the CloudWatch agent configuration file wizard on each EC2 instance. Verify that the baseline log files are included and add the DHCP log files during the wizard creation process.
- C. Log in to each EC2 instance with administrator rights. Create a PowerShell script to push the needed baseline log files and DHCP log files to CloudWatch.
- D. Run the CloudWatch agent configuration file wizard on each EC2 instance and select the advanced detail level. This will capture the operating system log files.

Answer: A

Explanation:
The most operationally efficient approach is to avoid manual reconfiguration or login to each instance. By using AWS Systems Manager Run Command with the append-config option, you can centrally deploy and apply an additional CloudWatch agent configuration file to selected instances. This method scales easily, ensures consistency, and requires no manual intervention on each EC2 instance.

NEW QUESTION # 22
A company runs applications on Amazon EC2 instances. The company wants to ensure that SSH ports on the EC2 instances are never open. The company has enabled AWS Config and has set up the restricted-ssh AWS managed rule.
A CloudOps engineer must implement a solution to remediate SSH port access for noncompliant security groups.
What should the engineer do to meet this requirement with the MOST operational efficiency?

- A. Configure the AWS Config rule to identify noncompliant security groups. Configure the rule to use the AWS-DisableIncomingSSHOnPort22 AWS Systems Manager Automation runbook to remediate noncompliant resources.
- B. Configure the AWS Config rule to identify noncompliant security groups. Manually update each noncompliant security group to remove the Allow rule.
- C. Configure the AWS Config rule to identify noncompliant security groups. Configure the rule to use the AWS-PublishSNSNotification AWS Systems Manager Automation runbook to send notifications about noncompliant resources.
- D. Make an AWS Config API call to search for noncompliant security groups. Disable SSH access for noncompliant security groups by using a Deny rule.

Answer: A

Explanation:
The AWS Cloud Operations and Governance documentation specifies that AWS Config can be paired with AWS Systems Manager Automation runbooks for automatic remediation of noncompliant resources.
For SSH restrictions, the restricted-ssh managed rule detects any security group allowing inbound traffic on port 22. To automatically remediate these findings, AWS provides the AWS- DisableIncomingSSHOnPort22 runbook. This runbook programmatically removes inbound rules that allow port 22 traffic from affected security groups.
This approach achieves continuous compliance with minimal human intervention. By contrast, sending notifications (Option A) does not enforce remediation, API-based scripts (Option C) add operational overhead, and manual remediation (Option D) violates automation best practices.
Therefore, the most efficient CloudOps solution is Option B, using AWS Config with the AWS- DisableIncomingSSHOnPort22 automation runbook for automatic, scalable enforcement.
Reference: AWS Cloud Operations & Governance Guide - Automated Security Remediation Using Config Managed Rules and Systems Manager Runbooks

NEW QUESTION # 23
A CloudOps engineer is troubleshooting an implementation of Amazon CloudWatch Synthetics.
The CloudWatch Synthetics results must be sent to an Amazon S3 bucket.
The CloudOps engineer has copied the configuration of an existing canary that runs on a VPC that has an internet gateway attached.
However, the CloudOps engineer cannot get the canary to successfully start on a private VPC that has no internet access.
What should the CloudOps engineer do to successfully run the canary on the private VPC?

- A. Ensure that the DNS resolution option and the DNS hostnames option are turned on in the VPC.Create an interface VPC

endpoint for CloudWatch. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use both endpoints.

- B. Ensure that the DNS resolution option and the DNS hostnames option are turned on in the VPC. Add the synthetics:GetCanaryRuns permission to the VPC. On the S3 bucket, add the IgnorePublicAcls permission to the CloudWatch Synthetics role.
- C. Ensure that the DNS resolution option and the DNS hostnames option are turned off in the VPC. Create a gateway VPC endpoint for Amazon S3. Add the permissions to allow CloudWatch Synthetics to use the S3 endpoint.
- D. Ensure that the DNS resolution option and the DNS hostnames option are turned off in the VPC. Add a security group to the canary to allow outbound traffic on the DNS port. Add the permissions to allow CloudWatch Synthetics to write to the S3 bucket.

Answer: A

Explanation:
When a CloudWatch Synthetics canary runs inside a private VPC, it must access CloudWatch and S3 privately for publishing logs, metrics, and storing results. Because there is no internet access, the canary requires:
- DNS resolution and hostnames enabled for proper endpoint resolution.
- An interface VPC endpoint for CloudWatch, so the canary can communicate with the CloudWatch service privately.
- A gateway VPC endpoint for S3, to allow results to be written to the S3 bucket without internet access.

NEW QUESTION # 24
A CloudOps engineer must ensure that all of a company's current and future Amazon S3 buckets have logging enabled. If an S3 bucket does not have logging enabled, an automated process must enable logging for the S3 bucket.
Which solution will meet these requirements?

- A. Use the s3-bucket-logging-enabled AWS Config managed rule. Add a remediation action that uses an AWS Lambda function to enable logging.
- B. Use the s3-bucket-logging-enabled AWS Config managed rule. Add a remediation action that uses the AWS-ConfigureS3BucketLogging AWS Systems Manager Automation runbook to enable logging.
- C. Configure an S3 bucket policy that requires all current and future S3 buckets to have logging enabled.
- D. Use AWS Trusted Advisor to perform a check for S3 buckets that do not have logging enabled. Configure the check to enable logging for S3 buckets that do not have logging enabled.

Answer: B

Explanation:
The AWS Config managed rule s3-bucket-logging-enabled continuously evaluates whether S3 buckets have logging enabled. By attaching an automatic remediation action using the AWS- ConfigureS3BucketLogging Systems Manager Automation runbook, AWS can automatically enable logging for any noncompliant bucket. This provides a fully automated and scalable solution that applies to both existing and newly created buckets with minimal operational effort.

NEW QUESTION # 25
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