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The majority of people encounter the issue of finding extraordinary AWS Certified CloudOps Engineer - Associate (SOA-C03) exam dumps that can help them prepare for the actual Amazon SOA-C03 exam. They strive to locate authentic and up-to-date Amazon SOA-C03 Practice Questions for the Financials in AWS Certified CloudOps Engineer - Associate (SOA-C03) exam, which is a tough ask.

### Amazon SOA-C03 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• <b>Deployment, Provisioning, and Automation:</b> 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.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>• <b>Reliability and Business Continuity:</b> 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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• <b>Security and Compliance:</b> 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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Networking and Content Delivery:</b> 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.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• <b>Monitoring, Logging, Analysis, Remediation, and Performance Optimization:</b> 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.</li> </ul>

## Amazon AWS Certified CloudOps Engineer - Associate Sample Questions (Q118-Q123):

### NEW QUESTION # 118

A company's AWS accounts are in an organization in AWS Organizations. The organization has all features enabled. The accounts use Amazon EC2 instances to host applications. The company manages the EC2 instances manually by using the AWS Management Console. The company applies updates to the EC2 instances by using an SSH connection to each EC2 instance.

The company needs a solution that uses AWS Systems Manager to manage all the organization's current and future EC2 instances. The latest version of Systems Manager Agent (SSM Agent) is running on the EC2 instances.

Which solution will meet these requirements?

- A. Create an AWS CloudFormation stack set that contains an EC2 instance profile with the AmazonSSMManagedEC2InstanceDefaultPolicy IAM policy attached. Use the organization's management account to deploy the stack set to every account in the organization.
- **B. Configure a home AWS Region in Systems Manager Quick Setup in the organization's management account. Deploy the Systems Manager Default Host Management Configuration Quick Setup from the management account.**
- C. Create an AWS CloudFormation stack set that contains a Systems Manager parameter to define the Default Host Management Configuration role. Use the organization's management account to deploy the stack set to every account in the organization.
- D. Configure a home AWS Region in Systems Manager Quick Setup in the organization's management account. Create a Systems Manager Run Command that attaches the AmazonSSMServiceRolePolicy IAM policy to every IAM role that the EC2 instances use. Invoke the command in every account in the organization.

**Answer: B**

Explanation:

AWS CloudOps automation best practices recommend using AWS Systems Manager Quick Setup for organization-wide management and configuration of EC2 instances. The Default Host Management Configuration Quick Setup automatically enables Systems Manager capabilities such as Patch Manager, Inventory, Session Manager, and Automation across all managed instances within the organization.

When deployed from the management account, Quick Setup automatically integrates with AWS Organizations to propagate configuration and permissions to existing and future accounts. This meets the requirement for organization-wide management with no manual configuration or SSH access.

"You can use Quick Setup in the management account of an organization in AWS Organizations to configure Systems Manager capabilities for all accounts and Regions. Quick Setup automatically keeps configurations up to date." Options B, C, and D require custom deployments or manual IAM updates, lacking centralized automation. Therefore, Option A fully satisfies CloudOps standards for automated provisioning and ongoing management of EC2 instances across an organization.

### NEW QUESTION # 119

Application A runs on Amazon EC2 instances behind a Network Load Balancer (NLB). The EC2 instances are in an Auto Scaling group and are in the same subnet that is associated with the NLB. Other applications from an on-premises environment cannot communicate with Application A on port 8080.

To troubleshoot the issue, a CloudOps engineer analyzes the flow logs. The flow logs include the following records:

ACCEPT from 192.168.0.13:59003 172.31.16.139:8080

REJECT from 172.31.16.139:8080 192.168.0.13:59003

What is the reason for the rejected traffic?

- A. The ACL of the on-premises environment does not allow traffic to the AWS environment.
- B. The security group of the EC2 instances has no Allow rule for the traffic from the NLB.
- **C. The network ACL that is associated with the subnet does not allow outbound traffic for the ephemeral port range.**
- D. The security group of the NLB has no Allow rule for the traffic from the on-premises environment.

**Answer: C**

Explanation:

VPC Flow Logs show the request arriving and being ACCEPTed on dstport 8080 and the corresponding response being REJECTed on the return path to the client's ephemeral port (59003). AWS networking guidance states that security groups are stateful (return traffic is automatically allowed) while network ACLs are stateless and require explicit inbound and outbound rules for both directions. CloudOps operational guidance for VPC networking further notes that when you allow an inbound request (for example, TCP 8080) through a subnet's network ACL, you must also allow the outbound ephemeral port range (typically 1024-5535) for the response traffic; otherwise, the return packets are dropped and appear as REJECT in flow logs. The observed pattern--request accepted to 8080, response rejected to 59003--matches a missing outbound ephemeral-range allow on the subnet's NACL. Therefore, the cause is the subnet NACL, not security groups or on-premises ACLs. The remediation is to add an outbound ALLOW rule on the NACL for the appropriate ephemeral TCP port range back to the on-premises CIDR (and the corresponding inbound rule if asymmetric).

### NEW QUESTION # 120

A company has a stateful web application that is hosted on Amazon EC2 instances in an Auto Scaling group. The instances run behind an Application Load Balancer (ALB) that has a single target group. The ALB is configured as the origin in an Amazon CloudFront distribution. Users are reporting random logouts from the web application.

Which combination of actions should a CloudOps engineer take to resolve this problem? (Choose two.)

- A. Change to the least outstanding requests algorithm on the ALB target group.
- **B. Configure cookie forwarding in the CloudFront distribution cache behavior.**
- **C. Enable sticky sessions on the ALB target group.**
- D. Enable group-level stickiness on the ALB listener rule.
- E. Configure header forwarding in the CloudFront distribution cache behavior.

**Answer: B,C**

Explanation:

Configure cookie forwarding in the CloudFront distribution cache behavior.

If CloudFront is not forwarding cookies, the origin (ALB/app) will not consistently receive the session cookie, causing users to appear "new" and get logged out. Forwarding cookies ensures the application can maintain user sessions correctly.

Enable sticky sessions on the ALB target group.

The application is stateful and stores session data on individual EC2 instances. Enabling ALB target group stickiness keeps a user's requests going to the same instance, preventing session loss and random logouts as traffic shifts between instances.

### NEW QUESTION # 121

A company is implementing security and compliance by using AWS Trusted Advisor. The company's CloudOps team is validating the list of Trusted Advisor checks that it can access.

Which factor will affect the quantity of available Trusted Advisor checks?

- A. Whether at least one Amazon EC2 instance is in the running state
- B. Whether the AWS account root user has multi-factor authentication (MFA) enabled

- C. The AWS Support plan
- D. An AWS Organizations service control policy (SCP)

**Answer: C**

Explanation:

The number and depth of Trusted Advisor checks available depend on the AWS Support plan level.

Basic and Developer Support plans only provide a limited set of checks (mainly Service Limits and Security).

Business and Enterprise Support plans provide access to the full set of Trusted Advisor checks, including cost optimization, performance, and fault tolerance.

### NEW QUESTION # 122

A company has an application that collects notifications from thousands of alarm systems. The notifications include alarm notifications and information notifications. The information notifications include the system arming processes, disarming processes, and sensor status.

All notifications are kept as messages in an Amazon Simple Queue Service (Amazon SQS) queue. Amazon EC2 instances that are in an Auto Scaling group process the messages. A CloudOps engineer needs to implement a solution that prioritizes alarm notifications over information notifications.

Which solution will meet these requirements?

- A. Use the Amazon Simple Notification Service (Amazon SNS) fanout feature with Amazon SQS to send the notifications in parallel to all the EC2 instances.
- B. Create a queue for alarm notifications and a queue for information notifications. Update the application to collect messages from the alarm notifications queue first.
- C. Adjust the Auto Scaling group to scale faster when a high number of messages is in the queue.
- D. Add an Amazon DynamoDB stream to accelerate the message processing.

**Answer: B**

Explanation:

By separating alarm and information notifications into two SQS queues, the application can always poll and process the alarm queue first, ensuring high-priority alarm messages are handled before lower-priority informational ones. This achieves true prioritization with minimal architectural change and without relying on scaling behavior or unrelated services.

### NEW QUESTION # 123

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