

# Exam Vce SOA-C03 Free - New SOA-C03 Exam Online



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Actually, most people do not like learning the boring knowledge. It is hard to understand if our brain rejects taking the initiative. Now, our company has researched the SOA-C03 study materials, a kind of high efficient learning tool. Firstly, we have deleted all irrelevant knowledge, which decreases your learning pressure. Then, the difficult questions of the SOA-C03 Study Materials will have vivid explanations. So you will have a better understanding after you carefully see the explanations.

## Amazon SOA-C03 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 3	<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 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>

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## Amazon AWS Certified CloudOps Engineer - Associate Sample Questions (Q110-Q115):

### NEW QUESTION # 110

A company uses Amazon EC2 Auto Scaling across multiple Availability Zones. The company must ensure that EC2 instances are provisioned in private subnets.

The company recently optimized its cloud infrastructure by reducing the number of NAT gateways in the company's VPC to one. Some EC2 instances lost internet connectivity after the infrastructure update. A CloudOps engineer must resolve the connectivity issue.

Which solution will meet this requirement?

- A. Update VPC route tables to target an internet gateway for internet traffic.
- **B. Update VPC route tables to target the existing NAT gateway for internet traffic.**
- C. Replace the existing NAT gateway with a NAT instance in the same subnet.
- D. Add secondary IP addresses to the existing NAT gateway.

**Answer: B**

Explanation:

After consolidating to a single NAT gateway, private subnets in other Availability Zones might still have routes pointing to old or deleted NAT gateways. To restore internet connectivity, the CloudOps engineer must update each private subnet's route table so that 0.0.0.0/0 points to the current NAT gateway. This ensures that all private subnets send outbound internet traffic correctly through the existing NAT gateway.

### NEW QUESTION # 111

A company applies user-defined tags to AWS resources. Twenty days after applying the tags, the company notices that the tags cannot be used to filter views in the AWS Cost Explorer console.

What is the reason for this issue?

- A. The company has not created a usage budget in AWS Budgets.

- B. The company has not activated the user-defined tags for cost allocation.
- C. The company has not created an AWS Cost and Usage Report.
- D. It takes at least 30 days before tags can be used in Cost Explorer.

**Answer: B**

Explanation:

User-defined tags must be explicitly activated as cost allocation tags in the AWS Billing and Cost Management console before they can be used in Cost Explorer. Simply applying tags to resources is not sufficient.

Once activated, cost allocation tags can take up to 24 hours to appear in Cost Explorer, but they will not appear at all if activation is not performed. The 30-day delay applies only to historical reporting after activation, not to visibility itself.

Cost and Usage Reports and Budgets are not prerequisites for Cost Explorer filtering.

Therefore, the issue occurs because the tags were not activated for cost allocation.

### NEW QUESTION # 112

A company hosts a critical legacy application on two Amazon EC2 instances that are in one Availability Zone. The instances run behind an Application Load Balancer (ALB). The company uses Amazon CloudWatch alarms to send Amazon Simple Notification Service (Amazon SNS) notifications when the ALB health checks detect an unhealthy instance. After a notification, the company's engineers manually restart the unhealthy instance. A CloudOps engineer must configure the application to be highly available and more resilient to failures. Which solution will meet these requirements?

- A. Create an Amazon Machine Image (AMI) from a healthy instance. Launch an additional instance from the AMI in the same Availability Zone. Add the new instance to the ALB target group. Create an AWS Lambda function that runs when an instance is unhealthy. Configure the Lambda function to stop and restart the unhealthy instance.
- B. Create an Amazon Machine Image (AMI) from a healthy instance. Create a launch template that uses the AMI. Create an Amazon EC2 Auto Scaling group that is deployed across multiple Availability Zones. Configure the Auto Scaling group to add instances to the ALB target group.
- C. Increase the size of each instance. Create an Amazon EventBridge rule. Configure the EventBridge rule to restart the instances if they enter a failed state.
- D. Create an Amazon Machine Image (AMI) from a healthy instance. Launch additional instances from the AMI in the same Availability Zone. Add the new instances to the ALB target group.

**Answer: B**

Explanation:

High availability requires removing single-AZ risk and eliminating manual recovery. The AWS Reliability best practices state to design for multi-AZ and automatic healing: Auto Scaling "helps maintain application availability and allows you to automatically add or remove EC2 instances" (AWS Auto Scaling User Guide). The Reliability Pillar recommends to "distribute workloads across multiple Availability Zones" and to "automate recovery from failure" (AWS Well-Architected Framework ?Reliability Pillar).

Attaching the Auto Scaling group to an ALB target group enables health-based replacement: instances failing load balancer health checks are replaced and traffic is routed only to healthy targets. Using an AMI in a launch template ensures consistent, repeatable instance configuration (AWS EC2 Launch Templates). Options A and C keep all instances in a single Availability Zone and rely on manual or ad-hoc restarts, which do not meet high-availability or resiliency goals. Option B only scales vertically and adds a restart rule; it neither removes the single-AZ failure domain nor provides automated replacement. Therefore, creating a multi-AZ EC2 Auto Scaling group with a launch template and attaching it to the ALB target group (Option D) is the CloudOps-aligned solution for resilience and business continuity.

### NEW QUESTION # 113

A company is using AWS Certificate Manager (ACM) to manage public SSL/TLS certificates. A CloudOps engineer needs to send an email notification when a certificate has less than 14 days until expiration.

Which solution will meet this requirement with the LEAST operational overhead?

- A. Create an Amazon EventBridge rule that has an event source of aws.acm. Configure the rule to evaluate the DaysToExpiry metric for all ACM certificates. Configure the rule to send an event to a target Amazon SNS topic if DaysToExpiry is less than 14. Subscribe the appropriate email addresses to the SNS topic.
- B. Create an Amazon EventBridge rule that has an event source of aws.acm. Configure the rule to evaluate the DaysToExpiry metric for all ACM certificates. Configure a target SMS identity that uses a predefined email template. Configure the rule to send an event to the target SMS identity if DaysToExpiry is less than 14.
- C. Create an Amazon CloudWatch dashboard that displays the DaysToExpiry metric for all ACM certificates. If

DaysToExpiry is less than 14, send an email message to the appropriate email addresses.

Send the email message by running a predefined CLI command to publish to an Amazon SNS topic.

- **D. Create an Amazon CloudWatch custom metric to monitor certificate expiration for all ACM certificates. Create an Amazon EventBridge rule that has an event source of aws.cloudwatch. Configure the rule to send an event to a target Amazon SNS topic if the DaysToExpiry metric is less than 14. Subscribe the appropriate email addresses to the SNS topic.**

**Answer: D**

Explanation:

AWS Certificate Manager publishes certificate-expiration visibility through the DaysToExpiry metric, which can be monitored through Amazon CloudWatch. The operationally correct pattern is to create a CloudWatch alarm when DaysToExpiry drops below the required threshold and notify subscribers through Amazon SNS.

Among the provided options, option A is the closest valid implementation because it uses CloudWatch-based metric evaluation and SNS email notification. Option B is weak because EventBridge does not directly

"evaluate" CloudWatch metric thresholds from the ACM event source. Option C requires manual dashboard monitoring and CLI action, which is not operationally efficient. Option D incorrectly references an SMS identity instead of SNS email notification. For CloudOps, automated metric-based alerting is preferred because it reduces manual certificate tracking and prevents unexpected TLS expiration incidents.

#### NEW QUESTION # 114

A company is migrating its production file server to AWS. All data stored on the file server must remain accessible if an Availability Zone becomes unavailable or during system maintenance. Users must access the file server through the SMB protocol and manage permissions by using Windows ACLs.

Which solution will meet these requirements?

- A. Deploy two AWS Storage Gateway file gateways in two Availability Zones behind an Application Load Balancer.
- B. Deploy two Amazon FSx for Windows File Server Single-AZ file systems and configure DFS Replication.
- **C. Create an Amazon FSx for Windows File Server Multi-AZ file system.**
- D. Create a single AWS Storage Gateway file gateway.

**Answer: C**

Explanation:

Amazon FSx for Windows File Server is a fully managed native Windows file system that supports SMB, Windows authentication, and Windows ACLs. The Multi-AZ deployment option automatically replicates data synchronously across Availability Zones and provides automatic failover with minimal downtime.

This architecture ensures continuous availability during AZ failures or maintenance events without manual intervention. Users experience consistent access and permissions through SMB, fully meeting the stated requirements.

Storage Gateway introduces on-premises dependencies. DFS Replication increases complexity and recovery time. Therefore, FSx for Windows Multi-AZ is the correct solution.

#### NEW QUESTION # 115

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