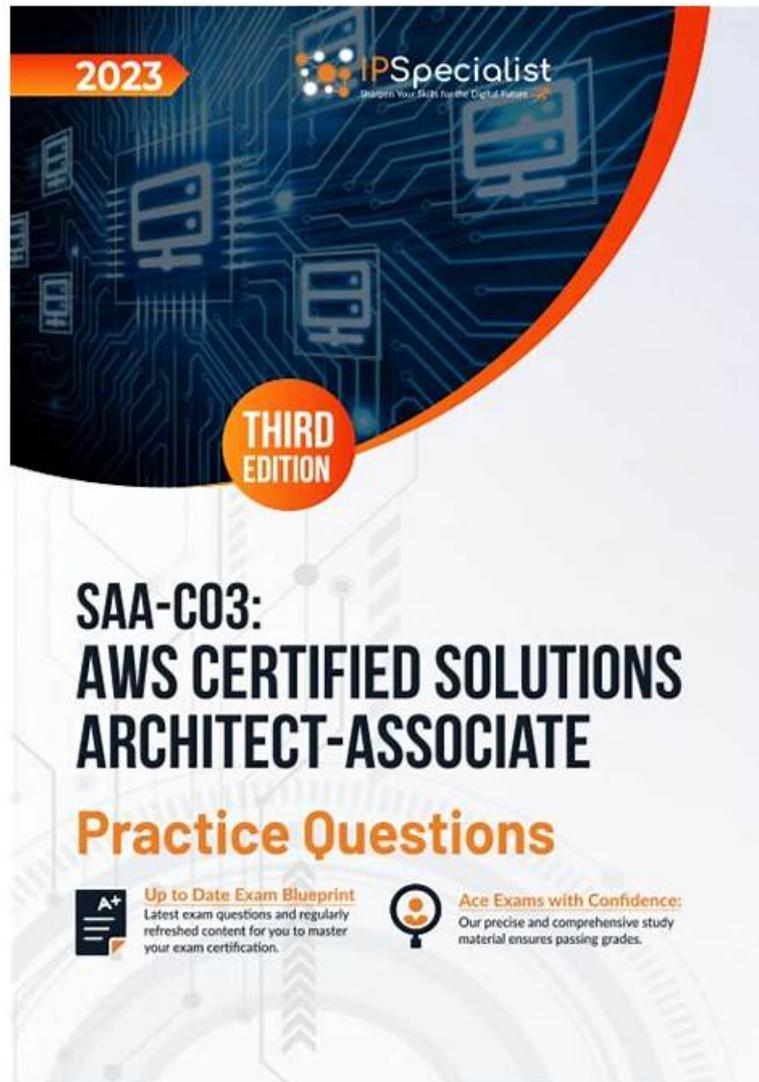# Amazon SOA-C03 Practice Mock & SOA-C03 Exam Dumps Provider

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Amazon SOA-C03 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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 3	• 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 4	• 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.
Topic 5	• 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.

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Amazon AWS Certified CloudOps Engineer - Associate Sample Questions (Q58-Q63):

NEW QUESTION # 58
A company needs to enforce tagging requirements for Amazon DynamoDB tables in its AWS accounts. A CloudOps engineer must implement a solution to identify and remediate all DynamoDB tables that do not have the appropriate tags.
Which solution will meet these requirements with the LEAST operational overhead?

- A. Create an Amazon EventBridge managed rule to evaluate all DynamoDB tables for the appropriate tags. Configure the EventBridge rule to run an AWS Systems Manager Automation custom runbook for remediation.
- B. Create a custom AWS Lambda function to evaluate and remediate all DynamoDB tables. Create an Amazon EventBridge scheduled rule to invoke the Lambda function.
- C. Use the required-tags AWS Config managed rule to evaluate all DynamoDB tables for the appropriate tags. Configure an automatic remediation action that uses an AWS Systems Manager Automation custom runbook.
- D. Create a custom AWS Lambda function to evaluate and remediate all DynamoDB tables. Create an AWS Config custom rule to invoke the Lambda function.

Answer: C

Explanation:
According to the AWS Cloud Operations, Governance, and Compliance documentation, AWS Config provides managed rules that automatically evaluate resource configurations for compliance. The "required-tags" managed rule allows CloudOps teams to specify mandatory tags (e.g., Environment, Owner, CostCenter) and automatically detect non-compliant resources such as DynamoDB tables.
Furthermore, AWS Config supports automatic remediation through AWS Systems Manager Automation runbooks, enabling correction actions (for example, adding missing tags) without manual intervention. This automation minimizes operational overhead and ensures continuous compliance across multiple accounts.
Using a custom Lambda function (Options A or B) introduces unnecessary management complexity, while EventBridge rules alone (Option D) do not provide resource compliance tracking or historical visibility.
Therefore, Option C provides the most efficient, fully managed, and compliant CloudOps solution.

NEW QUESTION # 59

A company's security policy prohibits connecting to Amazon EC2 instances through SSH and RDP. Instead, staff must use AWS Systems Manager Session Manager. Users report they cannot connect to one Ubuntu instance, even though they can connect to others.

What should a CloudOps engineer do to resolve this issue?

- A. Generate a new key pair, configure Session Manager to use this new key pair, and provide the private key to the users.
- B. Assign the AmazonSSMManagedInstanceCore managed policy to the EC2 instance profile for the Ubuntu instance.
- C. Add an inbound rule for port 22 in the security group associated with the Ubuntu instance.
- D. Configure the SSM Agent to log in with a user name of "ubuntu".

Answer: B

Explanation:
According to AWS Cloud Operations and Systems Manager documentation, Session Manager requires that each managed instance be associated with an IAM instance profile that grants Systems Manager core permissions. The required permissions are provided by the AmazonSSMManagedInstanceCore AWS-managed policy.

If this policy is missing or misconfigured, the Systems Manager Agent (SSM Agent) cannot communicate with the Systems Manager service, causing connection failures even if the agent is installed and running. This explains why other instances work-those instances likely have the correct IAM role attached.

Enabling port 22 (Option A) violates the company's security policy, while configuring user names (Option C) and key pairs (Option D) are irrelevant because Session Manager operates over secure API channels, not SSH keys.

Therefore, the correct resolution is to attach or update the instance profile with the AmazonSSMManagedInstanceCore policy, restoring Session Manager connectivity.

NEW QUESTION # 60

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 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.
- 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 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.
- D. 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.

Answer: C

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 # 61

A company deploys AWS infrastructure in a VPC that has an internet gateway. The VPC has public subnets and private subnets. An Amazon RDS for MySQL DB instance is deployed in a private subnet. An AWS Lambda function uses the same private subnet and connects to the DB instance to query data.

A developer modifies the Lambda function to require the function to publish messages to an Amazon Simple Queue Service

(Amazon SQS) queue. After these changes, the Lambda function times out when it tries to publish messages to the SQS queue.
Which solutions will resolve this issue? (Choose two.)

- A. Create a gateway endpoint for Amazon SQS in the VPC.
- B. Create an interface endpoint for Amazon SQS in the VPC.
- C. Deploy a NAT gateway. Update the private subnet's route table to route all traffic to the NAT gateway.
- D. Deploy an RDS proxy. Configure the Lambda function to connect to the DB instance through the proxy.
- E. Reconfigure the Lambda function so that the function is not connected to the VPC.

Answer: B,C

Explanation:
The Lambda function now runs inside a private subnet. To reach public AWS service endpoints like SQS over the internet, resources in private subnets need an egress path, typically via a NAT gateway. Adding a NAT gateway and updating the route table lets the Lambda function call the SQS public endpoint while still accessing the RDS instance in the private subnet.
Alternatively, you can keep the subnet private and create an interface VPC endpoint for SQS.
This gives the Lambda function a private, VPC-internal path to SQS without requiring internet access.

NEW QUESTION # 62
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 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.
- B. 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.
- C. 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.
- D. 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.

Answer: D

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. AWS documentation notes:
"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.
References (AWS CloudOps Documents / Study Guide):
* AWS Certified CloudOps Engineer - Associate (SOA-C03) Exam Guide - Domain 3: Deployment, Provisioning and Automation
* AWS Systems Manager - Quick Setup and Default Host Management Configuration
* AWS Organizations Integration with Systems Manager
* AWS Well-Architected Framework - Operational Excellence Pillar

NEW QUESTION # 63

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