

Exam Amazon SOA-C03 Question - SOA-C03 Valid Exam Registration

AWS Certified Solutions Architect – Associate SAA-C03 Exam Questions and Answers

Exam Question 1

A company is migrating from an on-premises infrastructure to the AWS Cloud. One of the company's applications stores files on a Windows file server farm that uses Distributed File System Replication (DFS-R) to keep data in sync. A solutions architect needs to replace the file server farm.

Which service should the solutions architect use?

- A. Amazon EFS
- B. Amazon FSx
- C. Amazon S3
- D. AWS Storage Gateway

Correct Answer

B. Amazon FSx

Exam Question 2

A company has a legacy application that processes data in two parts. The second part of the process takes longer than the first, so the company has decided to rewrite the application as two microservices running on Amazon ECS that can scale independently.

How should a solutions architect integrate the microservices?

- A. Implement code in microservice 1 to send data to an Amazon S3 bucket. Use S3 event notifications to invoke microservice 2.
- B. Implement code in microservice 1 to publish data to an Amazon SNS topic. Implement code in microservice 2 to subscribe to this topic.
- C. Implement code in microservice 1 to send data to Amazon Kinesis Data Firehose. Implement code in microservice 2 to read from Kinesis Data Firehose.
- D. Implement code in microservice 1 to send data to an Amazon SQS queue. Implement code in microservice 2 to process messages from the queue.

Correct Answer

C. Implement code in microservice 1 to send data to Amazon Kinesis Data Firehose. Implement code in microservice 2 to read from Kinesis Data Firehose.

Exam Question 3

A company captures clickstream data from multiple websites and analyzes it using batch processing. The data is loaded nightly into Amazon Redshift and is consumed by business

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Associate according to their needs and solve the test on time.

Amazon SOA-C03 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• 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 2	<ul style="list-style-type: none">• 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 3	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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 5	<ul style="list-style-type: none">• 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.

Amazon AWS Certified CloudOps Engineer - Associate Sample Questions (Q109-Q114):

NEW QUESTION # 109

A CloudOps engineer wants to provide access to AWS services by attaching an IAM policy to multiple IAM users. The CloudOps engineer also wants to be able to change the policy and create new versions.

Which combination of actions will meet these requirements? (Choose two.)

- A. Create a customer managed policy.
- B. Add the users to an IAM service-linked role. Attach the policy to the role.
- C. Add the users to an IAM user group. Attach the policy to the group.
- D. Create an AWS managed policy.
- E. Create an inline policy.

Answer: A,C

Explanation:

Attaching a policy to a group allows centralized management of permissions for multiple users. All users in the group automatically inherit the policy permissions.

A customer managed policy is reusable, versioned, and editable. You can create new versions of the policy and update or roll back as needed. Combining this with a user group provides flexible, scalable, and maintainable permission management.

NEW QUESTION # 110

An Amazon EC2 instance is running an application that uses Amazon Simple Queue Service (Amazon SQS) queues. A CloudOps engineer must ensure that the application can read, write, and delete messages from the SQS queues.

Which solution will meet these requirements in the MOST secure manner?

- A. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queues. Embed the IAM user's credentials in the application's configuration.
- B. Create an IAM user with an IAM policy that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queues. Export the IAM user's access key and secret access key as environment variables on the EC2 instance.
- C. Create and associate an IAM role that allows EC2 instances to call AWS services. Attach an IAM policy to the role that allows sqs:* permissions to the appropriate queues.
- **D. Create and associate an IAM role that allows EC2 instances to call AWS services. Attach an IAM policy to the role that allows the sqs:SendMessage permission, the sqs:ReceiveMessage permission, and the sqs:DeleteMessage permission to the appropriate queues.**

Answer: D

Explanation:

The most secure pattern is to use an IAM role for Amazon EC2 with the minimum required permissions. AWS guidance states: "Use roles for applications that run on Amazon EC2 instances" and "grant least privilege by allowing only the actions required to perform a task." By attaching a role to the instance, short-lived credentials are automatically provided through the instance metadata service; this removes the need to create long-term access keys or embed secrets. Granting only sqs:SendMessage, sqs:ReceiveMessage, and sqs:DeleteMessage against the specific SQS queues enforces least privilege and aligns with CloudOps security controls. Options A and B rely on IAM user access keys, which contravene best practices for workloads on EC2 and increase credential-management risk. Option C uses a role but grants sqs:*, violating least-privilege principles. Therefore, Option D meets the security requirement with scoped, temporary credentials and precise permissions.

NEW QUESTION # 111

An AWS CloudFormation template creates an Amazon RDS instance. This template is used to build up development environments as needed and then delete the stack when the environment is no longer required. The RDS-persisted data must be retained for further use, even after the CloudFormation stack is deleted.

How can this be achieved in a reliable and efficient way?

- A. Create a new CloudFormation template to perform backups of the RDS instance, and run this template before deleting the stack.
- **B. Use the Snapshot Deletion Policy in the CloudFormation template definition of the RDS instance.**
- C. Write a script to continue backing up the RDS instance every five minutes.
- D. Create an AWS Lambda function to take a snapshot of the RDS instance, and manually invoke the function before deleting the stack.

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract of AWS CloudOps Documents:

AWS CloudFormation supports the DeletionPolicy attribute to control what happens to a resource when a stack is deleted. For Amazon RDS DB instances, setting DeletionPolicy: Snapshot instructs CloudFormation to retain a final DB snapshot automatically at stack deletion. CloudOps best practice recommends using this native mechanism for data retention and auditability, avoiding manual scripts or out-of-band processes. Options A, B, and D introduce operational overhead and potential human error. With DeletionPolicy set to Snapshot, the environment can be repeatedly created and torn down while preserving data states for later restoration with minimal manual steps. This aligns with IaC principles-declarative, repeatable, and reliable-and supports efficient lifecycle management of ephemeral development stacks.

References (AWS CloudOps Documents / Study Guide):

- * AWS Certified CloudOps Engineer - Associate (SOA-C03) Exam Guide - Deployment, Provisioning and Automation
- * AWS CloudFormation User Guide - DeletionPolicy Attribute (Snapshot for RDS)
- * AWS Well-Architected Framework - Operational Excellence Pillar

NEW QUESTION # 112

A company has a workload that is sending log data to Amazon CloudWatch Logs. One of the fields includes a measure of application latency. A CloudOps engineer needs to monitor the p90 statistic of this field over time.

What should the CloudOps engineer do to meet this requirement?

- A. Create an Amazon CloudWatch Application Insights rule for the workload.
- B. Create an Amazon CloudWatch Contributor Insights rule on the log data.
- **C. Create a metric filter on the log data.**
- D. Create a subscription filter on the log data.

Answer: C

Explanation:

To analyze and visualize custom statistics such as the p90 latency (90th percentile), a CloudWatch metric must be generated from the log data. The correct method is to create a metric filter that extracts the latency value from each log event and publishes it as a CloudWatch metric. Once the metric is published, percentile statistics (p90, p95, etc.) can be displayed in CloudWatch dashboards or alarms.

AWS documentation states:

"You can use metric filters to extract numerical fields from log events and publish them as metrics in CloudWatch. CloudWatch supports percentile statistics such as p90 and p95 for these metrics." Contributor Insights (Option A) is for analyzing frequent contributors, not numeric distributions. Subscription filters (Option C) are used for log streaming, and Application Insights (Option D) provides monitoring of application health but not custom p90 statistics. Hence, Option B is the CloudOps-aligned, minimal-overhead solution for percentile latency monitoring.

References (AWS CloudOps Documents / Study Guide):

- * AWS Certified CloudOps Engineer - Associate (SOA-C03) Exam Guide - Domain 1: Monitoring and Logging
- * Amazon CloudWatch Logs - Metric Filters
- * AWS Well-Architected Framework - Operational Excellence Pillar

NEW QUESTION # 113

A company uses an organization in AWS Organizations to manage multiple AWS accounts. The company needs to send specific events from all the accounts in the organization to a new receiver account, where an AWS Lambda function will process the events. A CloudOps engineer configures Amazon EventBridge to route events to a target event bus in the us-west-2 Region in the receiver account. The CloudOps engineer creates rules in both the sender and receiver accounts that match the specified events. The rules do not specify an account parameter in the event pattern. IAM roles are created in the sender accounts to allow PutEvents actions on the target event bus.

However, the first test events from the us-east-1 Region are not processed by the Lambda function in the receiving account.

What is the likely reason the events are not processed?

- A. Interface VPC endpoints for EventBridge are required in the sender accounts and receiver accounts.
- **B. The resource-based policy on the target event bus must be modified to allow PutEvents API calls from the sender accounts.**
- C. The rule in the receiving account must specify {"account": ["sender-account-id"]} in its event pattern and must include the receiving account ID.
- D. The target Lambda function is in a different AWS Region, which is not supported by EventBridge.

Answer: B

Explanation:

When events are sent across AWS accounts -- particularly from multiple accounts in an AWS Organization -- the target event bus in the receiver account must include a resource-based policy that explicitly allows events:PutEvents API calls from the sender accounts or the organization ID.

Even if the sender accounts have IAM permissions to call PutEvents, the receiving event bus must trust those accounts via a resource policy. Without this configuration, EventBridge automatically rejects incoming cross-account events, and those events never reach the target Lambda function for processing.

AWS guidance states that "Cross-account event delivery requires a resource-based policy on the event bus that grants permissions to the source accounts or organization." The policy can include either individual AWS account IDs or the organization's root ID.

In this scenario, because the events originate from multiple accounts and there is no resource policy on the target event bus to authorize those sender accounts, the events are not delivered.

Therefore, the correct cause is C ?the resource-based policy on the target event bus must be modified to allow PutEvents API calls from the sender accounts.

NEW QUESTION # 114

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