

SOA-C02^{Q&As}

AWS Certified SysOps Administrator - Associate (SOA-C02)

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QUESTION 1

A company stores its data in an Amazon S3 bucket. The company is required to classify the data and find any sensitive personal information in its S3 files. Which solution will meet these requirements?

- A. Create an AWS Config rule to discover sensitive personal information in the S3 files and mark them as noncompliant.
- B. Create an S3 event-driven artificial intelligence/machine learning (AI/ML) pipeline to classify sensitive personal information by using Amazon Recognition.
- C. Enable Amazon GuardDuty. Configure S3 protection to monitor all data inside Amazon S3.
- D. Enable Amazon Macie. Create a discovery job that uses the managed data identifier.

Correct Answer: D

Amazon Macie is a security service designed to help organizations find, classify, and protect sensitive data stored in Amazon S3. Amazon Macie uses machine learning to automatically discover, classify, and protect sensitive data in Amazon S3. Creating a discovery job with the managed data identifier will allow Macie to identify sensitive personal information in the S3 files and classify it accordingly. Enabling AWS Config and Amazon GuardDuty will not help with this requirement as they are not designed to automatically classify and protect data.

QUESTION 2

While setting up an AWS managed VPN connection, a SysOps administrator creates a customer gateway resource in AWS. The customer gateway device resides in a data center with a NAT gateway in front of it. What address should be used to create the customer gateway resource?

- A. The private IP address of the customer gateway device
- B. The MAC address of the NAT device in front of the customer gateway device
- C. The public IP address of the customer gateway device
- D. The public IP address of the NAT device in front of the customer gateway device

Correct Answer: D

QUESTION 3

A compliance learn requires all administrator passwords for Amazon RDS DB instances to be changed at least annually.

Which solution meets this requirement in the MOST operationally efficient manner?

- A. Store the database credentials in AWS Secrets Manager. Configure automatic rotation for the secret every 365 days.
- B. Store the database credentials as a parameter in the RDS parameter group. Create a database trigger to rotate the

password every 365 days.

C. Store the database credentials in a private Amazon S3 bucket. Schedule an AWS Lambda function to generate a new set of credentials every 365 days.

D. Store the database credentials in AWS Systems Manager Parameter Store as a secure string parameter. Configure automatic rotation for the parameter every 365 days.

Correct Answer: A

QUESTION 4

A company's SysOps administrator regularly checks the AWS Personal Health Dashboard in each of the company's accounts. The accounts are part of an organization in AWS Organizations. The company recently added 10 more accounts to the organization. The SysOps administrator must consolidate the alerts from each account's Personal Health Dashboard.

Which solution will meet this requirement with the LEAST amount of effort?

A. Enable organizational view in AWS Health.

B. Configure the Personal Health Dashboard in each account to forward events to a central AWS CloudTrail log.

C. Create an AWS Lambda function to query the AWS Health API and to write all events to an Amazon DynamoDB table.

D. Use the AWS Health API to write events to an Amazon DynamoDB table.

Correct Answer: A

Enabling the organizational view in AWS Health will allow the SysOps administrator to consolidate the alerts from each account's Personal Health Dashboard. It will also provide the administrator with a single view of all the accounts in the organization, allowing them to easily monitor the health of all the accounts in the organization. Reference: [1] <https://aws.amazon.com/premiumsupport/knowledge-center/organizational-view-health-dashboard/>

QUESTION 5

A developer creates a web application that runs on Amazon EC2 instances behind an Application Load Balancer (ALB). The instances are in an Auto Scaling group. The developer reviews the deployment and notices some suspicious traffic to the application. The traffic is malicious and is coming from a single public IP address. A SysOps administrator must block the public IP address.

Which solution will meet this requirement?

A. Create a security group rule to deny all inbound traffic from the suspicious IP address. Associate the security group with the ALB.

B. Implement Amazon Detective to monitor traffic and to block malicious activity from the internet. Configure Detective to integrate with the ALB.

C. Implement AWS Resource Access Manager (AWS RAM) to manage traffic rules and to block malicious activity from the internet. Associate AWS RAM with the ALB.

D. Add the malicious IP address to an IP set in AWS WAF. Create a web ACL. Include an IP set rule with the action set to BLOCK. Associate the web ACL with the ALB.

Correct Answer: D

Add the malicious IP address to an IP set in AWS WAF. Create a web ACL. Include an IP set rule with the action set to BLOCK. Associate the web ACL with the ALB.

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