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Amazon SCS-C02 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Data Protection: AWS Security specialists learn to ensure data confidentiality and integrity for data in transit and at rest. Topics include lifecycle management of data at rest, credential protection, and cryptographic key management. These capabilities are central to managing sensitive data securely, reflecting the exam's focus on advanced data protection strategies.
Topic 2	<ul style="list-style-type: none">• Infrastructure Security: Aspiring AWS Security specialists are trained to implement and troubleshoot security controls for edge services, networks, and compute workloads under this topic. Emphasis is placed on ensuring resilience and mitigating risks across AWS infrastructure. This section aligns closely with the exam's focus on safeguarding critical AWS services and environments.
Topic 3	<ul style="list-style-type: none">• Threat Detection and Incident Response: In this topic, AWS Security specialists gain expertise in crafting incident response plans and detecting security threats and anomalies using AWS services. It delves into effective strategies for responding to compromised resources and workloads, ensuring readiness to manage security incidents. Mastering these concepts is critical for handling scenarios assessed in the SCS-C02 Exam.

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Amazon AWS Certified Security - Specialty Sample Questions (Q70-Q75):

NEW QUESTION # 70

A company wants to implement host-based security for Amazon EC2 instances and containers in Amazon Elastic Container Registry (Amazon ECR). The company has deployed AWS Systems Manager Agent (SSM Agent) on the EC2 instances. All the company's AWS accounts are in one organization in AWS Organizations.

The company will analyze the workloads for software vulnerabilities and unintended network exposure. The company will push any findings to AWS Security Hub, which the company has configured for the organization.

The company must deploy the solution to all member accounts, including new accounts, automatically. When new workloads come online, the solution must scan the workloads.

Which solution will meet these requirements?

- A. D. Configure a delegated administrator for Amazon Inspector for the organization. Create an AWS Config rule to initiate analysis of ECR containers
- B. Configure a delegated administrator for Amazon Inspector for the organization. Configure automatic scanning for new member accounts.
- C. B. Configure a delegated administrator for Amazon GuardDuty for the organization. Create an Amazon EventBridge rule to initiate analysis of ECR containers

Answer: A

Explanation:

To implement host-based security for Amazon EC2 instances and containers in Amazon ECR with minimal operational overhead and ensure automatic deployment and scanning for new workloads, the recommended solution is to configure a delegated administrator for Amazon Inspector within the AWS Organizations structure. By enabling Amazon Inspector for the organization and configuring it to automatically scan new member accounts, the company can ensure that all EC2 instances and ECR containers are analyzed for software vulnerabilities and unintended network exposure. Amazon Inspector will automatically assess the workloads and push findings to AWS Security Hub, providing centralized security monitoring and compliance checking. This approach ensures that as new accounts or workloads are added, they are automatically included in the security assessments, maintaining a consistent security posture across the organization with minimal manual intervention.

NEW QUESTION # 71

A company uses AWS Signer with all of the company's AWS Lambda functions. A developer recently stopped working for the company. The company wants to ensure that all the code that the developer wrote can no longer be deployed to the Lambda functions.

Which solution will meet this requirement?

- A. Revoke all versions of the signing profile assigned to the developer.
- B. Use Amazon CodeGuru to profile all the code that the Lambda functions use.
- C. Re-encrypt all source code with a new AWS Key Management Service (AWS KMS) key.
- D. Examine the developer's IAM roles. Remove all permissions that grant access to Signer.

Answer: A

NEW QUESTION # 72

A company runs a web application on a fleet of Amazon EC2 instances that are in an Auto Scaling group. The EC2 instances are in the same VPC subnet as other workloads.

A security engineer deploys an Amazon GuardDuty detector in the same AWS Region as the EC2 instances. The security engineer also sets up an AWS Security Hub integration with GuardDuty.

The security engineer needs to implement an automated solution to detect and appropriately respond to anomalous traffic patterns for the web application. The solution must comply with AWS best practices for initial response to security incidents and must minimize disruption to the web application.

Which solution will meet these requirements?

- A. Create a Security Hub automated response that updates the network ACL that is associated with the subnet of the EC2 instances. Configure the response to update the network ACL to deny traffic from the source of detected anomalous traffic.
- B. Create an Amazon EventBridge rule that detects the Behavior:EC2/TrafficVolumeUnusual GuardDuty finding. Configure the rule to invoke an AWS Lambda function to disable the EC2 instance profile access keys.
- C. Create an Amazon EventBridge rule that invokes an AWS Lambda function when GuardDuty detects anomalous traffic. Program the Lambda function to disassociate the identified instance from the Auto Scaling group and to isolate the instance by using a new restricted security group.
- D. Create an Amazon Simple Notification Service (Amazon SNS) topic. Subscribe the security engineer's email address to the SNS topic. Configure GuardDuty to send all findings to the SNS topic.

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

GuardDuty can trigger an EventBridge rule upon detecting a suspicious finding (e.g., unusual traffic volume). Using Lambda, the automation can:

Remove the affected instance from the Auto Scaling group to prevent it from being terminated and replaced.

Isolate the instance by applying a restrictive security group.

This approach aligns with AWS incident response best practices, which recommend isolation over termination to preserve forensic data while minimizing disruption to the application.

NEW QUESTION # 73

A company is using IAM Secrets Manager to store secrets for its production Amazon RDS database. The Security Officer has asked that secrets be rotated every 3 months. Which solution would allow the company to securely rotate the secrets? (Select TWO.)

- A. Place the RDS instance in a private subnet and an IAM Lambda function outside the VPC. Configure the private subnet to use an internet gateway. Schedule the Lambda function to run every 3 months to rotate the secrets.
- B. Place the RDS instance in a private subnet and an IAM Lambda function inside the VPC in the private subnet. Configure the private subnet to use a NAT gateway. Schedule the Lambda function to run every 3 months to rotate the secrets.
- C. Place the RDS instance in a public subnet and an IAM Lambda function outside the VPC. Schedule the Lambda function to run every 3 months to rotate the secrets.
- D. Place the RDS instance in a private subnet and an IAM Lambda function inside the VPC in the private subnet. Schedule the Lambda function to run quarterly to rotate the secrets.
- E. Place the RDS instance in a private subnet and an IAM Lambda function inside the VPC in the private subnet. Configure a Secrets Manager interface endpoint. Schedule the Lambda function to run every 3 months to rotate the secrets.

Answer: B,E

NEW QUESTION # 74

A company recently had a security audit in which the auditors identified multiple potential threats. These potential threats can cause usage pattern changes such as DNS access peak, abnormal instance traffic, abnormal network interface traffic, and unusual Amazon S3 API calls. The threats can come from different sources and can occur at any time. The company needs to implement a solution to continuously monitor its system and identify all these incoming threats in near-real time.

Which solution will meet these requirements?

- A. Enable Amazon GuardDuty from a centralized account. Use GuardDuty to manage AWS CloudTrail logs, VPC flow logs, and DNS logs.
- B. Enable Amazon Inspector from a centralized account. Use Amazon Inspector to manage AWS CloudTrail logs, VPC flow logs, and DNS logs.
- C. Enable AWS CloudTrail logs, VPC flow logs, and DNS logs. Use Amazon Macie to monitor these logs from a centralized

account.

- D. Enable AWS CloudTrail logs, VPC flow logs, and DNS logs. Use Amazon CloudWatch Logs to manage these logs from a centralized account.

Answer: A

Explanation:

Q: Which data sources does GuardDuty analyze? GuardDuty analyzes CloudTrail management event logs, CloudTrail S3 data event logs, VPC Flow Logs, DNS query logs, and Amazon EKS audit logs. GuardDuty can also scan EBS volume data for possible malware when GuardDuty Malware Protection is enabled and identifies suspicious behavior indicative of malicious software in EC2 instance or container workloads. The service is optimized to consume large data volumes for near real-time processing of security detections.

GuardDuty gives you access to built-in detection techniques developed and optimized for the cloud, which are maintained and continuously improved upon by GuardDuty engineering.

NEW QUESTION # 75

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