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Amazon SCS-C03 practice questions are based on recently released Amazon SCS-C03 exam objectives. Includes a user-friendly interface allowing you to take the AWS Certified Security - Specialty practice exam on your computers, like downloading the PDF, Web-Based SCS-C03 Practice Test ActualPDF, and Desktop Amazon SCS-C03 practice exam ActualPDF.

Amazon SCS-C03 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Incident Response: This domain addresses responding to security incidents through automated and manual strategies, containment, forensic analysis, and recovery procedures to minimize impact and restore operations.
Topic 2	<ul style="list-style-type: none">Security Foundations and Governance: This domain addresses foundational security practices including policies, compliance frameworks, risk management, security automation, and audit procedures for AWS environments.
Topic 3	<ul style="list-style-type: none">Identity and Access Management: This domain deals with controlling authentication and authorization through user identity management, role-based access, federation, and implementing least privilege principles.
Topic 4	<ul style="list-style-type: none">Data Protection: This domain centers on protecting data at rest and in transit through encryption, key management, data classification, secure storage, and backup mechanisms.

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Amazon AWS Certified Security - Specialty Sample Questions (Q204-Q209):

NEW QUESTION # 204

A company has contracted with a third party to audit several AWS accounts. To enable the audit, cross-account IAM roles have been created in each account targeted for audit. The auditor is having trouble accessing some of the accounts. Which of the following may be causing this problem? (Select THREE.)

- A. The external ID used by the auditor is missing or incorrect.
- B. The auditor is using the incorrect password.
- C. The secret key used by the auditor is missing or incorrect.
- D. The Amazon EC2 role used by the auditor must be set to the destination account role.
- E. The role ARN used by the auditor is missing or incorrect.
- F. The auditor has not been granted `sts:AssumeRole` for the role in the destination account.

Answer: A,E,F

Explanation:

Cross-account access for an external auditor typically uses STS `AssumeRole` into a role that exists in each target account. Three common failure points are: (1) the role ARN being wrong or missing, (2) the auditor lacking permission to call `sts:AssumeRole` on that role, and (3) an external ID mismatch when the role trust policy requires it. The external ID is a best practice for third-party access to mitigate the confused-deputy problem; if the trust policy includes an `sts:ExternalId` condition, the auditor must supply the exact expected value. If it's absent or incorrect, `AssumeRole` will be denied.

The auditor must also be authorized on their side (IAM user/role policy) to call `sts:AssumeRole` (permission), and the destination role's trust policy must trust the auditor principal. If either side is misconfigured, the assume operation fails. Finally, the auditor must reference the correct role ARN for each account; using an incorrect ARN (wrong account ID/role name/path) is a frequent reason only "some accounts" fail.

Incorrect password (B) is irrelevant if the auditor is using API/STS federation rather than console password auth, and EC2 instance roles (D) are not required for an external auditor. Missing/incorrect secret key (E) is possible for API auth, but the question centers on cross-account role access issues; the canonical causes are external ID, `AssumeRole` permission, and role ARN.

NEW QUESTION # 205

A company has a PHP-based web application that uses Amazon S3 as an object store for user files. The S3 bucket is configured for server-side encryption with Amazon S3 managed keys (SSE-S3). New requirements mandate full control of encryption keys. Which combination of steps must a security engineer take to meet these requirements? (Select THREE.)

- A. Change all the S3 objects in the bucket to use the new encryption key.
- B. Change the SSE-S3 configuration on the S3 bucket to server-side encryption with AWS KMS managed keys (SSE-KMS).
- C. Configure the PHP SDK to use the SSE-S3 key before upload.
- D. Create an AWS managed key for Amazon S3 in AWS KMS.
- E. Change the SSE-S3 configuration on the S3 bucket to server-side encryption with customer-provided keys (SSE-C).
- F. Create a new customer managed key in AWS Key Management Service (AWS KMS).

Answer: A,B,F

Explanation:

SSE-S3 uses AWS-managed keys and does not provide customer control. AWS Certified Security - Specialty documentation states that SSE-KMS with customer managed keys allows full control, auditing, and key rotation. The security engineer must first create a customer managed KMS key, then update the bucket to use SSE-KMS. Existing objects must be re-encrypted to ensure compliance.

SSE-C requires the application to manage keys, increasing complexity and risk. AWS managed keys do not meet the requirement for customer-controlled encryption.

Referenced AWS Specialty Documents:

AWS Certified Security - Specialty Official Study Guide

Amazon S3 Encryption Options

AWS KMS Customer Managed Keys

NEW QUESTION # 206

A corporate cloud security policy states that communications between the company's VPC and KMS must travel entirely within the AWS network and not use public service endpoints.

Which combination of the following actions MOST satisfies this requirement? (Choose two.)

- A. Remove the VPC internet gateway from the VPC and add a virtual private gateway to the VPC to prevent direct, public internet connectivity.
- **B. Add the aws:sourceVpce condition to the AWS KMS key policy referencing the company's VPC endpoint ID.**
- C. Add the following condition to the AWS KMS key policy: "aws:SourceIp": "10.0.0.0/16".
- **D. Create a VPC endpoint for AWS KMS with private DNS enabled.**
- E. Use the KMS Import Key feature to securely transfer the AWS KMS key over a VPN.

Answer: B,D

Explanation:

To ensure traffic from a VPC to AWS KMS stays on the AWS network and does not use public endpoints, you should use an interface VPC endpoint (AWS PrivateLink) for KMS. Creating a VPC endpoint for KMS with private DNS enabled (Option C) causes standard KMS DNS names (for example, kms.<region>.amazonaws.com) to resolve to the private endpoint IPs inside the VPC, routing requests over the AWS private network rather than through the internet. This is the core networking control that satisfies "no public service endpoints." To enforce that only calls that come through the intended VPC endpoint can use the key, add an authorization guardrail in the KMS key policy using the aws:sourceVpce condition (Option A). This ensures that even if a principal has credentials, KMS will deny usage unless the request is made via the specified VPC endpoint, preventing accidental or malicious use over public paths.

NEW QUESTION # 207

A healthcare company stores more than 1 million patient records in an Amazon S3 bucket. The patient records include personally identifiable information (PII). The S3 bucket contains hundreds of terabytes of data.

A security engineer receives an alert that was triggered by an Amazon GuardDuty Exfiltration:S3/AnomalousBehavior finding. The security engineer confirms that an attacker is using temporary credentials that were obtained from a compromised Amazon EC2 instance that has s3:GetObject permissions for the S3 bucket. The attacker has begun downloading the contents of the bucket. The security engineer contacts a development team. The development team will require 4 hours to implement and deploy a fix. The security engineer must take immediate action to prevent the attacker from downloading more data from the S3 bucket. Which solution will meet this requirement?

- A. Apply an S3 bucket policy temporarily. Configure the policy to deny read access for all principals to block downloads while the development team address the vulnerability.
- **B. Revoke the temporary session that is associated with the instance profile that is attached to the EC2 instance.**
- C. Quarantine the EC2 instance by replacing the existing security group with a new security group that has no rules applied.
- D. Enable Amazon Macie on the S3 bucket. Configure the managed data identifiers for personally identifiable information (PII). Enable S3 Object Lock on objects that Macie flags.

Answer: B

Explanation:

Amazon GuardDuty Exfiltration:S3/AnomalousBehavior findings indicate that S3 data access patterns are consistent with data exfiltration. In this scenario, the attacker is using temporary credentials obtained from an EC2 instance profile, which are issued by AWS Security Token Service (STS).

According to AWS Certified Security - Specialty documentation, the fastest and most targeted remediation is to revoke the temporary session credentials associated with the compromised instance profile. This can be accomplished by removing or modifying the IAM role permissions, detaching the instance profile, or stopping the instance, which immediately invalidates the temporary credentials and prevents further S3 access.

NEW QUESTION # 208

A company's security engineer receives an abuse notification from AWS indicating that malware is being hosted from the company's AWS account. The security engineer discovers that an IAM user created a new Amazon S3 bucket without authorization. Which combination of steps should the security engineer take to MINIMIZE the consequences of this compromise? (Select THREE.)

- A. Change the password for all IAM users.
- **B. Turn on Amazon GuardDuty.**
- **C. Delete any resources that are unrecognized or unauthorized.**
- D. Take snapshots of all Amazon Elastic Block Store (Amazon EBS) volumes.
- **E. Rotate or delete all AWS access keys.**
- F. Encrypt all AWS CloudTrail logs.

Answer: B,C,E

Explanation:

AWS incident response guidance emphasizes immediate containment, credential invalidation, and removal of malicious resources. According to the AWS Certified Security - Specialty documentation, compromised credentials must be rotated or deleted immediately to prevent further unauthorized actions. Rotating or deleting access keys directly mitigates ongoing abuse.

Deleting unrecognized or unauthorized resources, such as the malicious S3 bucket, removes the active threat and limits further damage. Enabling Amazon GuardDuty provides continuous monitoring and helps identify additional compromised resources or malicious behavior that may not yet be visible.

Changing passwords for all IAM users is disruptive and unnecessary if compromise scope is limited. Encrypting CloudTrail logs does not reduce active impact. Taking EBS snapshots is primarily for forensic investigation, not immediate consequence minimization.

AWS best practices recommend GuardDuty activation, credential rotation, and removal of malicious resources as first-response actions.

NEW QUESTION # 209

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