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In the 21 Century, the SOA-C03 certification became more and more recognized in the society because it represented the certain ability of examinees. However, in order to obtain SOA-C03 certification, you have to spend a lot of time preparing for the SOA-C03 Exam. Many people gave up because of all kinds of difficulties before the examination, and finally lost the opportunity to enhance their self-worth. But our SOA-C03 exam questions will help you pass the exam for sure.

Amazon SOA-C03 Exam Syllabus Topics:

Topic	Details
Topic 1	<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.
Topic 2	<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 3	<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 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">• 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 (Q64-Q69):

NEW QUESTION # 64

A CloudOps engineer created a VPC with a private subnet, a security group allowing all outbound traffic, and an endpoint for EC2 Instance Connect in the private subnet. The EC2 instance was launched without an SSH key pair, using the same subnet and security group. However, the engineer cannot connect via EC2 Instance Connect endpoint. How can the CloudOps engineer connect to the instance?

- A. Create an inbound rule in the security group to allow HTTPS traffic on port 443 from the private subnet.
- **B. Create an IAM instance profile that allows AWS Systems Manager Session Manager to access the EC2 instance. Associate the instance profile with the instance.**
- C. Create an inbound rule in the security group to allow SSH traffic on port 22 from the private subnet.
- D. Recreate the EC2 instance. Associate an SSH key pair with the instance.

Answer: B

Explanation:

According to the AWS Cloud Operations and EC2 Connectivity documentation, EC2 Instance Connect Endpoint allows access to instances without internet exposure or open SSH ports. However, for successful connectivity, the EC2 instance must have Systems Manager permissions through an IAM instance profile.

If no IAM instance profile is attached, the instance cannot establish a control channel with the Systems Manager service, and EC2 Instance Connect cannot authenticate the session.

Opening port 22 (Option B) is unnecessary and contradicts the private subnet design. HTTPS rules (Option A) are irrelevant because EC2 Instance Connect communicates through AWS APIs, not direct HTTPS connections. Recreating the instance with a key pair (Option D) bypasses the intended keyless connection mechanism.

Therefore, Option C - attaching an IAM instance profile with Systems Manager permissions - enables secure, private access through EC2 Instance Connect Endpoint.

NEW QUESTION # 65

A company runs a web application on three Amazon EC2 instances behind an Application Load Balancer (ALB). The company notices that random periods of increased traffic cause a degradation in the application's performance. A CloudOps engineer must scale the application to meet the increased traffic.

Which solution meets these requirements?

- A. Create an Amazon CloudWatch alarm to monitor application latency and increase the size of each EC2 instance if the desired threshold is reached.
- B. Create an Amazon EventBridge rule to monitor application latency and add an EC2 instance to the ALB if the desired threshold is reached.
- **C. Deploy the application to an Auto Scaling group of EC2 instances with a target tracking scaling policy. Attach the ALB to the Auto Scaling group.**
- D. Deploy the application to an Auto Scaling group of EC2 instances with a scheduled scaling policy. Attach the ALB to the Auto Scaling group.

Answer: C

Explanation:

An Auto Scaling group (ASG) with a target tracking scaling policy automatically adjusts the number of EC2 instances based on real-time demand (for example, CPU utilization or request count). This allows the application to handle sudden, volatile traffic spikes

seamlessly while maintaining performance. The Application Load Balancer (ALB) distributes traffic evenly among the instances in the ASG, ensuring scalability and fault tolerance without manual intervention.

NEW QUESTION # 66

A company has a VPC that contains a public subnet and a private subnet. The company deploys an Amazon EC2 instance that uses an Amazon Linux Amazon Machine Image (AMI) and has the AWS Systems Manager Agent (SSM Agent) installed in the private subnet. The EC2 instance is in a security group that allows only outbound traffic.

A CloudOps engineer needs to give a group of privileged administrators the ability to connect to the instance through SSH without exposing the instance to the internet.

Which solution will meet this requirement?

- A. Create a Systems Manager endpoint in the public subnet. Create an IAM role that has the AmazonSSMManagedInstanceCore permission for the EC2 instance. Create an IAM group for privileged administrators. Assign the AmazonEC2ReadOnlyAccess IAM policy to the IAM group.
- **B. Create an EC2 Instance Connect endpoint in the private subnet. Update the security group to allow inbound SSH traffic. Create an IAM group for privileged administrators. Assign the PowerUserAccess managed policy to the IAM group.**
- C. Create an EC2 Instance Connect endpoint in the public subnet. Update the security group to allow SSH traffic from the private network. Create an IAM group for privileged administrators. Assign the PowerUserAccess managed policy to the IAM group.
- D. Create a Systems Manager endpoint in the private subnet. Update the security group to allow SSH traffic from the private network where the Systems Manager endpoint is connected. Create an IAM group for privileged administrators. Assign the PowerUserAccess managed policy to the IAM group.

Answer: B

Explanation:

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

EC2 Instance Connect Endpoint (EIC Endpoint) enables SSH to instances in private subnets without public IPs and without needing to traverse the public internet. CloudOps guidance explains that you deploy the endpoint in the same VPC/subnet as the targets, then allow inbound SSH on the instance security group from the endpoint's security group. Access is governed by IAM-administrators must have Instance Connect permissions; while the example uses a broad policy, the key mechanism is EIC in the private subnet plus SG rules scoped to the endpoint. Systems Manager Session Manager can provide shell access without SSH, but the requirement explicitly states "connect through SSH," making EIC the purpose-built solution. Options B and D misuse Systems Manager for SSH and propose unnecessary SG changes or incorrect endpoint placement; Option C places the endpoint in a public subnet, which is not required for private SSH access. Therefore, creating an EC2 Instance Connect endpoint in the private subnet and updating SGs accordingly meets the requirement while keeping the instance non-internet-exposed.

References (AWS CloudOps Documents / Study Guide):

- * AWS Certified CloudOps Engineer - Associate (SOA-C03) Exam Guide - Security and Compliance
- * Amazon EC2 - Instance Connect Endpoint (Private SSH Access)
- * AWS Well-Architected Framework - Security Pillar (Least Privilege Network Access)

NEW QUESTION # 67

A company has an AWS CloudFormation template that includes an AWS::EC2::Instance resource and a custom resource (Lambda function). The Lambda function fails because it runs before the EC2 instance is launched.

Which solution will resolve this issue?

- **A. Add a DependsOn attribute to the custom resource. Specify the EC2 instance in the DependsOn attribute.**
- B. Update the Lambda function to use the cfn-response module to send a response to the custom resource.
- C. Update the custom resource's service token to point to a valid Lambda function.
- D. Use the Fn::If intrinsic function to check for the EC2 instance before the custom resource runs.

Answer: A

Explanation:

The AWS Cloud Operations and Infrastructure-as-Code documentation specifies that when using AWS CloudFormation, resources are created in parallel by default unless explicitly ordered using DependsOn.

If a custom resource (Lambda) depends on another resource (like an EC2 instance) to exist before execution, a DependsOn attribute must be added to enforce creation order. This ensures the EC2 instance is launched and available before the custom resource executes its automation logic.

Updating the service token (Option B) doesn't affect order of execution. The cfn-response module (Option C) handles callback communication but not sequencing. Fn::If (Option D) is for conditional creation, not dependency control. Therefore, Option A is correct - adding a DependsOn attribute guarantees that CloudFormation provisions the EC2 instance before executing the Lambda custom resource.

NEW QUESTION # 68

A company that uses AWS Organizations recently implemented AWS Control Tower. The company now needs to centralize identity management. A CloudOps engineer must federate AWS IAM Identity Center with an external SAML 2.0 identity provider (IdP) to centrally manage access to all AWS accounts and cloud applications.

Which prerequisites must the CloudOps engineer have so that the CloudOps engineer can connect to the external IdP? (Select TWO.)

- A. The IdP metadata, including the public X.509 certificate
- B. Root access to the management account
- C. Administrative permissions to the member accounts of the organization
- D. The IP address of the IdP
- E. A copy of the IAM Identity Center SAML metadata

Answer: A,E

Explanation:

According to the AWS Cloud Operations and Identity Management documentation, when configuring federation between IAM Identity Center (formerly AWS SSO) and an external SAML

2.0 identity provider, two key prerequisites are required:

The IAM Identity Center SAML metadata file -- This is uploaded to the external IdP to establish trust, define SAML endpoints, and enable identity federation.

The IdP metadata (including the public X.509 certificate) -- This information is imported into IAM Identity Center to validate authentication assertions and encryption signatures.

IAM Identity Center and the IdP exchange this metadata to mutually establish secure, bidirectional federation.

Network-level details such as IP addresses (Option C) are unnecessary. Root access (Option D) or permissions to member accounts (Option E) are not required; only Control Tower or IAM administrative permissions in the management account are needed for setup.

Thus, the correct answer is A and B -- the SAML metadata from both sides is required for federation.

NEW QUESTION # 69

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