SCS-C03 Dumps

AWS Certified Security - Specialty

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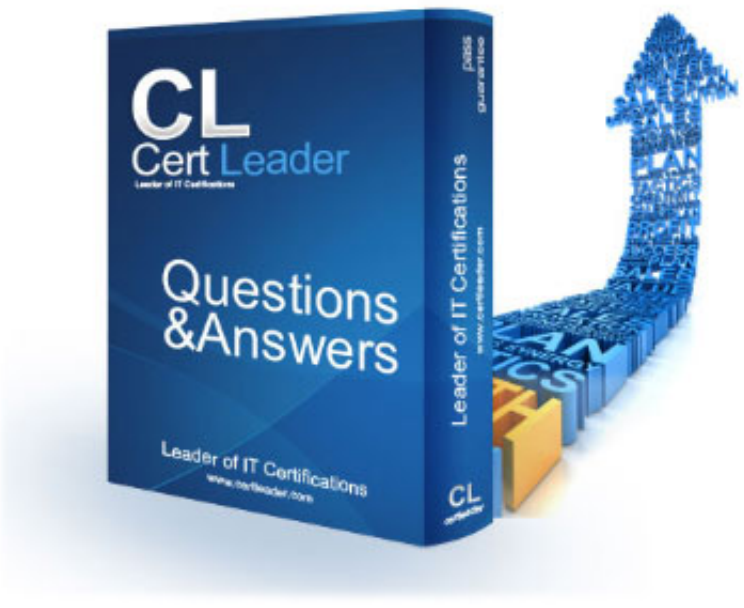

NEW QUESTION 1
AWS Config cannot deliver configuration snapshots to Amazon S3. Which TWO actions will remediate this issue?

A. Verify the S3 bucket policy allows config.amazonaws.com.
B. Verify the IAM role has s3:GetBucketAcl and s3:PutObject permissions.
C. Verify the S3 bucket can assume the IAM role.
D. Verify IAM policy allows AWS Config to write logs.
E. Modify AWS Config API permissions.

Answer: AB

NEW QUESTION 2
A company hosts its public website on Amazon EC2 instances behind an Application Load Balancer (ALB). The website is experiencing a global DDoS attack from a specific IoT device brand that uses a unique user agent. A security engineer is creating an AWS WAF web ACL and will associate it with the ALB.
Which rule statement will mitigate the current attack and future attacks from these IoT devices without blocking legitimate customers?

A. Use an IP set match rule statement.
B. Use a geographic match rule statement.
C. Use a rate-based rule statement.
D. Use a string match rule statement on the user agent.

Answer: D

NEW QUESTION 3
A company??s developers are using AWS Lambda function URLs to invoke functions directly. The company must ensure that developers cannot configure or deploy unauthenticated functions inproduction accounts. The company wants to meet this requirement by using AWS Organizations. The solution must not require additional work for the developers.
Which solution will meet these requirements?

A. Require the developers to configure all function URLs to support cross-origin resource sharing (CORS) when the functions are called from a different domain.
B. Use an AWS WAF delegated administrator account to view and block unauthenticated access to function URLs in production accounts, based on the OU of accounts that are using the functions.
C. Use SCPs to allow all lambda:CreateFunctionUrlConfig and lambda:UpdateFunctionUrlConfig actions that have a lambda:FunctionUrlAuthType condition key value of AWS_IAM.
D. Use SCPs to deny all lambda:CreateFunctionUrlConfig and lambda:UpdateFunctionUrlConfig actions that have a lambda:FunctionUrlAuthType condition key value of NONE.

Answer: D

NEW QUESTION 4
A company stores sensitive data in an Amazon S3 bucket. The company encrypts the data at rest by using server-side encryption with Amazon S3 managed keys (SSE-S3). A security engineer must prevent any modifications to the data in the S3 bucket.
Which solution will meet this requirement?

A. Configure S3 bucket policies to deny DELETE and PUT object permissions.
B. Configure S3 Object Lock in compliance mode with S3 bucket versioning enabled.
C. Change the encryption on the S3 bucket to use AWS Key Management Service (AWS KMS) customer managed keys.
D. Configure the S3 bucket with multi-factor authentication (MFA) delete protection.

Answer: B

NEW QUESTION 5
A company??s application team needs a new AWS Key Management Service (AWS KMS) customer managed key to use with Amazon S3. The company??s security policy requires separate keys for different AWS services to limit security exposure.
How can a security engineer limit the KMS customer managed key to work with only Amazon S3?

A. Configure the key policy to allow only Amazon S3 to perform the kms:Encrypt action.
B. Configure the key policy to allow KMS actions only when the value for the kms:ViaService condition key matches the Amazon S3 service name.
C. Configure the application??s IAM role policy to allow Amazon S3 to perform the iam:PassRole action.
D. Configure the application??s IAM role policy to allow only S3 operations when the operations are combined with the KMS customer managed key.

Answer: B

NEW QUESTION 6
A security engineer wants to forward custom application-security logs from an Amazon EC2 instance to Amazon CloudWatch. The security engineer installs the CloudWatch agent on the EC2 instance and adds the path of the logs to the CloudWatch configuration file.
However, CloudWatch does not receive the logs. The security engineer verifies that the awslogs service is running on the EC2 instance.
What should the security engineer do next to resolve the issue?

A. Add AWS CloudTrail to the trust policy of the EC2 instanc
B. Send the custom logs to CloudTrail instead of CloudWatch.
C. Add Amazon S3 to the trust policy of the EC2 instanc
D. Configure the application to write the custom logs to an S3 bucket that CloudWatch can use to ingest the logs.
E. Add Amazon Inspector to the trust policy of the EC2 instanc
F. Use Amazon Inspector instead of the CloudWatch agent to collect the custom logs.
G. Attach the CloudWatchAgentServerPolicy AWS managed policy to the EC2 instance role.

Answer: D

NEW QUESTION 7
A company needs to identify the root cause of security findings and investigate IAM roles involved in those findings. The company has enabled VPC Flow Logs, Amazon GuardDuty, and AWS CloudTrail.
Which solution will meet these requirements?

A. Use Amazon Detective to investigate IAM roles and visualize findings.
B. Use Amazon Inspector and CloudWatch dashboards.
C. Export GuardDuty findings to S3 and analyze with Athena.
D. Use Security Hub custom actions to investigate IAM roles.

Answer: A

NEW QUESTION 8
A company runs an application on an Amazon EC2 instance. The application generates invoices and stores them in an Amazon S3 bucket. The instance profile that is attached to the instance has appropriate access to the S3 bucket. The company needs to share each invoice with multiple clients that do not have AWS credentials. Each client must be able to download only the client's own invoices. Clients must download their invoices within 1 hour of invoice creation. Clients must use only temporary credentials to access the company's AWS resources.
Which additional step will meet these requirements?

A. Update the S3 bucket policy to ensure that clients that use pre-signed URLs have the S3:Get* permission and the S3:List* permission to access S3 objects in the bucket.
B. Add a StringEquals condition to the IAM role policy for the EC2 instance profil
C. Configure the policy condition to restrict access based on the s3:ResourceTag/ClientId tag of each invoic
D. Tag each generated invoice with the ID of its corresponding client.
E. Update the script to use AWS Security Token Service (AWS STS) to obtain new credentials each time the script runs by assuming a new role that has S3:GetObject permission
F. Use the credentials to generate the pre-signed URLs.
G. Generate an access key and a secret key for an IAM user that has S3:GetObject permissions on the S3 bucke
H. Embed the keys into the scrip
I. Use the keys to generate the pre-signed URLs.

Answer: B

NEW QUESTION 9
A company uses AWS IAM Identity Center to manage access to its AWS accounts. The accounts are in an organization in AWS Organizations. A security engineer needs to set up delegated administration of IAM Identity Center in the organization??s management account.
Which combination of steps should the security engineer perform in IAM Identity Center before configuring delegated administration? (Select THREE.)

A. Grant least privilege access to the organization's management account.
B. Create a new IAM Identity Center directory in the organization's management account.
C. Set up a second AWS Region in the organization??s management account.
D. Create permission sets for use only in the organization's management account.
E. Create IAM users for use only in the organization's management account.
F. Create user assignments only in the organization's management account.

Answer: BDF

NEW QUESTION 10
A company is running its application on AWS. The company has a multi-environment setup, and each environment is isolated in a separate AWS account. The company has an organization in AWS Organizations to manage the accounts. There is a single dedicated security account for the organization. The company must create an inventory of all sensitive data that is stored in Amazon S3 buckets across the organization's accounts. The findings must be visible from a single location.
Which solution will meet these requirements?

A. Set the security account as the delegated administrator for Amazon Macie and AWS Security Hu
B. Enable and configure Macie to publish sensitive data findings to Security Hub.
C. Set the security account as the delegated administrator for AWS Security Hu
D. In each account, configure Amazon Inspector to scan the S3 buckets for sensitive dat
E. Publish sensitive data findings to Security Hub.
F. In each account, configure Amazon Inspector to scan the S3 buckets for sensitive dat
G. Enable Amazon Inspector integration with AWS Trusted Adviso
H. Publish sensitive data findings to Trusted Advisor.
I. In each account, enable and configure Amazon Macie to detect sensitive dat
J. Enable Macie integration with AWS Trusted Adviso
K. Publish sensitive data findings to Trusted Advisor.

Answer: A

NEW QUESTION 10
A company has an encrypted Amazon Aurora DB cluster in the us-east-1 Region that uses an AWS KMS customer managed key. The company must copy a DB snapshot to the us- west-1 Region but cannot access the encryption key across Regions.
What should the company do to properly encrypt the snapshot in us-west-1?

A. Store the customer managed key in AWS Secrets Manager in us-west-1.
B. Create a new customer managed key in us-west-1 and use it to encrypt the snapshot.
C. Create an IAM policy to allow access to the key in us-east-1 from us-west-1.
D. Create an IAM policy that allows RDS in us-west-1 to access the key in us-east-1.

Answer: B

NEW QUESTION 13
A security engineer needs to prepare Amazon EC2 instances for quarantine during a security incident. AWS Systems Manager Agent (SSM Agent) is installed, and a script exists to install and update forensic tools.
Which solution will quarantine EC2 instances during a security incident?

A. Track SSM Agent versions with AWS Config.
B. Configure Session Manager to deny external connections.
C. Store the script in Amazon S3 and grant read access.
D. Configure IAM permissions for the SSM Agent to run the script as a Systems Manager Run Command document.

Answer: D

NEW QUESTION 15
A company??s web application runs on Amazon EC2 instances behind an Application Load Balancer (ALB) in an Auto Scaling group. An AWS WAF web ACL is associated with the ALB. Instance logs are lost after reboots. The operations team suspects malicious activity targeting a specific PHP file.
Which set of actions will identify the suspect attacker??s IP address for future occurrences?

A. Configure VPC Flow Logs and search for PHP file activity.
B. Install the CloudWatch agent on the ALB and export application logs.
C. Export ALB access logs to Amazon OpenSearch Service and search them.
D. Configure the web ACL to send logs to Amazon Kinesis Data Firehos
E. Deliver logs to Amazon S3 and query them with Amazon Athena.

Answer: D

NEW QUESTION 18
A company uses AWS to run a web application that manages ticket sales in several countries. The company recently migrated the application to an architecture that includes Amazon API Gateway, AWS Lambda, and Amazon Aurora Serverless. The company needs the application to comply with Payment Card Industry Data Security Standard (PCI DSS) v4.0. A security engineer must generate a report that shows the effectiveness of the PCI DSS v4.0 controls that apply to the application. The company's compliance team must be able to add manual evidence to the report.
Which solution will meet these requirements?

A. Enable AWS Trusted Adviso
B. Configure all the Trusted Advisor check
C. Manually map the checks against the PCI DSS v4.0 standard to generate the report.
D. Enable and configure AWS Confi
E. Deploy the Operational Best Practices for PCI DSS conformance pack in AWS Confi
F. Use AWS Config to generate the report.
G. Enable AWS Security Hu
H. Enable the Security Hub PCI DSS security standar
I. Use the AWS Management Console to download the report from the security standard.
J. Create an AWS Audit Manager assessment that uses the AWS managed PCI DSS v4.0 standard framewor
K. Add all evidence to the assessmen
L. Generate the report in Audit Manager for download.

Answer: D

NEW QUESTION 20
A company runs a web application on a fleet of Amazon EC2 instances in an Auto Scaling group. Amazon GuardDuty and AWS Security Hub are enabled. The security engineer needs an automated response to anomalous traffic that follows AWS best practices and minimizes application disruption.
Which solution will meet these requirements?

A. Use EventBridge to disable the instance profile access keys.
B. Use EventBridge to invoke a Lambda function that removes the affected instance from the Auto Scaling group and isolates it with a restricted security group.
C. Use Security Hub to update the subnet network ACL to block traffic.
D. Send GuardDuty findings to Amazon SNS for email notification.

Answer: B

NEW QUESTION 25
A company is planning to deploy a new log analysis environment. The company needs to analyze logs from multiple AWS services in near real time. The solution must provide the ability to search the logs and must send alerts to an existing Amazon Simple Notification
Service (Amazon SNS) topic when specific logs match detection rules. Which solution will meet these requirements?

A. Analyze the logs by using Amazon OpenSearch Servic
B. Search the logs from the OpenSearch AP
C. Use OpenSearch Service Security Analytics to match logs with detection rules and to send alerts to the SNS topic.
D. Analyze the logs by using AWS Security Hu
E. Search the logs from the Findings page in Security Hu
F. Create custom actions to match logs with detection rules and to send alerts to the SNS topic.
G. Analyze the logs by using Amazon CloudWatch Log
H. Use a subscription filter to match logs with detection rules and to send alerts to the SNS topi
I. Search the logs manually by using CloudWatch Logs Insights.
J. Analyze the logs by using Amazon QuickSigh
K. Search the logs by listing the query results in a dashboar
L. Run queries to match logs with detection rules and to send alerts to the SNS topic.

Answer: A

NEW QUESTION 26
A company has an AWS account that hosts a production application. The company receives an email notification that Amazon GuardDuty has detected an Impact:IAMUser/AnomalousBehavior finding in the account. A security engineer needs to run the investigation playbook for this security incident and must collect and analyze the information without affecting the application.
Which solution will meet these requirements MOST quickly?

A. Log in to the AWS account by using read-only credential
B. Review the GuardDuty finding for details about the IAM credentials that were use
C. Use the IAM console to add a DenyAll policy to the IAM principal.
D. Log in to the AWS account by using read-only credential
E. Review the GuardDuty finding to determine which API calls initiated the findin
F. Use Amazon Detective to review the API calls in context.
G. Log in to the AWS account by using administrator credential
H. Review the GuardDuty finding for details about the IAM credentials that were use
I. Use the IAM console to add a DenyAll policy to the IAM principal.
J. Log in to the AWS account by using read-only credential
K. Review the GuardDuty finding to determine which API calls initiated the findin
L. Use AWS CloudTrail Insights and AWS CloudTrail Lake to review the API calls in context.

Answer: B

NEW QUESTION 30
A company stores infrastructure and application code in web-based, third-party, Git- compatible code repositories outside of AWS. The company wants to give the code repositories the ability to securely authenticate and assume an existing IAM role within the company's AWS account by using OpenID Connect (OIDC).
Which solution will meet these requirements?

A. Create an OIDC identity provider (IdP) by using AWS Identity and Access Management (IAM) federatio
B. Modify the trust policy of the IAM role to allow the code repositories to assume the IAM role.
C. Use AWS Identity and Access Management (IAM) Roles Anywhere to create a trust anchor that uses OID
D. Modify the trust policy of the IAM role to allow the code repositories to assume the IAM role.
E. Set up an account instance of AWS IAM Identity Cente
F. Configure access to the code repositories as a customer managed OIDC applicatio
G. Grant the application access to the IAM role.
H. Use AWS Resource Access Manager (AWS RAM) to create a new resource share that uses OID
I. Limit the resource share to the specified code repositorie
J. Grant the IAM role access to the resource share.

Answer: A

NEW QUESTION 34
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. Create a new customer managed key in AWS Key Management Service (AWS KMS).
B. Change the SSE-S3 configuration on the S3 bucket to server-side encryption with customer-provided keys (SSE-C).
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 AWS KMS managed keys (SSE-KMS).
F. Change all the S3 objects in the bucket to use the new encryption key.

Answer: AEF

NEW QUESTION 36
A company has AWS accounts in an organization in AWS Organizations. An Amazon S3 bucket in one account is publicly accessible. A security engineer must remove public access and ensure the bucket cannot be made public again.
Which solution will meet these requirements?

A. Enforce KMS encryption and deny s3:GetObject by SCP.
B. Enable PublicAccessBlock and deny s3:GetObject by SCP.
C. Enable PublicAccessBlock and deny s3:PutPublicAccessBlock by SCP.
D. Enable Object Lock governance and deny s3:PutPublicAccessBlock by SCP.

Answer: C

NEW QUESTION 40
A company needs centralized log monitoring with automatic detection across hundreds of AWS accounts.
Which solution meets these requirements with the LEAST operational effort?

A. Designate a GuardDuty administrator account and enable protections.
B. Centralize CloudWatch logs and use Inspector.
C. Centralize CloudTrail logs and query with Athena.
D. Stream logs to Kinesis and process with Lambda.

Answer: A

NEW QUESTION 42
A company is running a new workload across accounts in an organization in AWS Organizations. All running resources must have a tag of CostCenter, and the tag must have one of three approved values. The company must enforce this policy and must prevent any changes of the CostCenter tag to a non-approved value.
Which solution will meet these requirements?

A. Use AWS Config custom policy rule and an SCP to deny non-approved aws:RequestTag/CostCenter values.
B. Use CloudTrail + EventBridge + Lambda to block creation.
C. Enable tag policies, define allowed values, enforce noncompliant operations, and use an SCP to deny creation when aws:RequestTag/CostCenter is null.
D. Enable tag policies and use EventBridge + Lambda to block changes.

Answer: C

NEW QUESTION 47
Notify when IAM roles are modified.

A. Use Amazon Detective.
B. Use EventBridge with CloudTrail events.
C. Use CloudWatch metric filters.
D. Use CloudWatch subscription filters.

Answer: B

NEW QUESTION 52
A company sends Apache logs from EC2 Auto Scaling instances to a CloudWatch Logs log group with 1-year retention. A suspicious IP address appears in logs. A security engineer needs to analyze the past week of logs to count requests from that IP and list requested URLs.
What should the engineer do with the LEAST effort?

A. Export to S3 and use Macie.
B. Stream to OpenSearch and analyze.
C. Use CloudWatch Logs Insights with queries.
D. Export to S3 and use AWS Glue.

Answer: C

NEW QUESTION 55
A company runs ECS services behind an internet-facing ALB that is the origin for CloudFront. An AWS WAF web ACL is associated with CloudFront, but clients can bypass it by accessing the ALB directly.
Which solution will prevent direct access to the ALB?

A. Use AWS PrivateLink with the ALB.
B. Replace the ALB with an internal ALB.
C. Restrict ALB listener rules to CloudFront IP ranges.
D. Require a custom header from CloudFront and validate it at the ALB.

Answer: D

NEW QUESTION 56
A company needs a cloud-based, managed desktop solution for its workforce of remote employees. The company wants to ensure that the employees can access the desktops only by using company-provided devices. A security engineer must design a solution that will minimize cost and management overhead.
Which solution will meet these requirements?

A. Deploy a custom virtual desktop infrastructure (VDI) solution with a restriction policy to allow access only from corporate devices.
B. Deploy a fleet of Amazon EC2 instance
C. Assign an instance to each employee with certificate-based device authentication that uses Windows Active Directory.
D. Deploy Amazon WorkSpace
E. Set up a trusted device policy with IP blocking on the authentication gateway by using AWS Identity and Access Management (IAM).
F. Deploy Amazon WorkSpace
G. Create client certificates, and deploy them to trusted device
H. Enable restricted access at the directory level.

Answer: D

NEW QUESTION 59
A company recently experienced a malicious attack on its cloud-based environment. The company successfully contained and eradicated the attack. A security engineer is performing incident response work. The security engineer needs to recover an Amazon RDS database cluster to the last known good version. The database cluster is configured to generate automated backups with a retention period of 14 days. The initial attack occurred 5 days ago at exactly 3:15 PM.
Which solution will meet this requirement?

A. Identify the Regional cluster ARN for the databas
B. Use the ARN to restore the Regional cluster by using the restore to point in time featur
C. Set a target time 5 days ago at 3:14 PM.
D. Identify the Regional cluster ARN for the databas
E. List snapshots that have been taken of the cluste
F. Restore the database by using the snapshot that has a creation time that is closest to 5 days ago at 3:14 PM.
G. List all snapshots that have been taken of all the company's RDS database
H. Identify the snapshot that was taken closest to 5 days ago at 3:14 PM and restore it.
I. Identify the Regional cluster ARN for the databas
J. Use the ARN to restore the Regional cluster by using the restore to point in time featur

K. Set a target time 14 days ago.

Answer: A

NEW QUESTION 63
A company uses AWS Organizations and has an SCP at the root that prevents sharing resources with external accounts. The company now needs to allow only the marketing account to share resources externally while preventing all other accounts from doing so. All accounts are in the same OU.
Which solution will meet these requirements?

A. Create a new SCP in the marketing account to explicitly allow sharing.
B. Edit the existing SCP to add a condition that excludes the marketing account.
C. Edit the SCP to include an Allow statement for the marketing account.
D. Use a permissions boundary in the marketing account.

Answer: B

NEW QUESTION 67
A company needs to detect unauthenticated access to its Amazon Elastic Kubernetes Service (Amazon EKS) clusters. The solution must require no additional configuration of the existing EKS deployment.
Which solution will meet these requirements with the LEAST operational effort?

A. Install a third-party security add-on.
B. Enable AWS Security Hub and monitor Kubernetes findings.
C. Monitor CloudWatch Container Insights metrics for EKS.
D. Enable Amazon GuardDuty and use EKS Audit Log Monitoring.

Answer: D

NEW QUESTION 71
A security engineer needs to control access to data that is encrypted with an AWS Key Management Service (AWS KMS) customer managed key. The security engineer also needs to use additional authenticated data (AAD) to prevent tampering with ciphertext.
Which solution will meet these requirements?

A. Pass the key alias to AWS KMS when calling the Encrypt and Decrypt API actions.
B. Use IAM policies to restrict access to the Encrypt and Decrypt API actions.
C. Use the kms:EncryptionContext condition key when defining IAM policies for the customer managed key.
D. Use key policies to restrict access to the appropriate IAM groups.

Answer: C

NEW QUESTION 74
A security engineer receives a notice about suspicious activity from a Linux-based Amazon EC2 instance that uses Amazon Elastic Block Store (Amazon EBS)-based storage. The instance is making connections to known malicious addresses.
The instance is in a development account within a VPC that is in the us-east-1 Region. The VPC contains an internet gateway and has a subnet in us-east-1a and us-east-1b. Each subnet is associated with a route table that uses the internet gateway as a default route. Each subnet also uses the default network ACL. The suspicious EC2 instance runs within the us-east-1b subnet. During an initial investigation, a security engineer discovers that the suspicious instance is the only instance that runs in the subnet.
Which response will immediately mitigate the attack and help investigate the root cause?

A. Log in to the suspicious instance and use the netstat command to identify remote connection
B. Use the IP addresses from these remote connections to create deny rules in the security group of the instanc
C. Install diagnostic tools on the instance for investigatio
D. Update the outbound network ACL for the subnet in us-east-1b to explicitly deny all connections as the first rule during the investigation of the instance.
E. Update the outbound network ACL for the subnet in us-east-1b to explicitly deny all connections as the first rul
F. Replace the security group with a new security group that allows connections only from a diagnostics security grou
G. Update the outbound network ACL for the us-east-1b subnet to remove the deny all rul
H. Launch a new EC2 instance that has diagnostic tool
I. Assign the new security group to the new EC2 instanc
J. Use the new EC2 instance to investigate the suspicious instance.
K. Ensure that the Amazon Elastic Block Store (Amazon EBS) volumes that are attached to the suspicious EC2 instance will not delete upon terminatio
L. Terminate the instanc
M. Launch a new EC2 instance in us-east-1a that has diagnostic tool
N. Mount the EBS volumes from the terminated instance for investigation.
O. Create an AWS WAF web ACL that denies traffic to and from the suspicious instanc
P. Attach the AWS WAF web ACL to the instance to mitigate the attac
Q. Log in to the instance and install diagnostic tools to investigate the instance.

Answer: C

NEW QUESTION 76
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