Amazon-Web-Services

Exam Questions SCS-C03

AWS Certified Security - Specialty

NEW QUESTION 1
A company uses AWS Organizations to manage an organization that consists of three workload OUs: Production, Development, and Testing. The company uses AWS CloudFormation templates to define and deploy workload infrastructure in AWS accounts that are associated with the OUs. Different SCPs are attached to each workload OU.
The company successfully deployed a CloudFormation stack update to workloads in the Development OU and the Testing OU. When the company uses the same CloudFormation template to deploy the stack update in an account in the Production OU, the update fails.
The error message reports insufficient IAM permissions.
What is the FIRST step that a security engineer should take to troubleshoot this issue?

A. Review the AWS CloudTrail logs in the account in the Production O
B. Search for any failed API calls from CloudFormation during the deployment attempt.
C. Remove all the SCPs that are attached to the Production O
D. Rerun the CloudFormation stack update to determine if the SCPs were preventing the CloudFormation API calls.
E. Confirm that the role used by CloudFormation has sufficient permissions to create, update, and delete the resources that are referenced in the CloudFormation template.
F. Make all the SCPs that are attached to the Production OU the same as the SCPs that are attached to the Testing OU.

Answer: A

NEW QUESTION 2
A company has a web application that reads from and writes to an Amazon S3 bucket. The company needs to use AWS credentials to authenticate all S3 API calls to the S3 bucket. Which solution will provide the application with AWS credentials to make S3 API calls?

A. Integrate with Cognito identity pools and use GetId to obtain AWS credentials.
B. Integrate with Cognito identity pools and use AssumeRoleWithWebIdentity to obtain AWS credentials.
C. Integrate with Cognito user pools and use the ID token to obtain AWS credentials.
D. Integrate with Cognito user pools and use the access token to obtain AWS credentials.

Answer: B

NEW QUESTION 3
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 4
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. Encrypt all AWS CloudTrail logs.
B. Turn on Amazon GuardDuty.
C. Change the password for all IAM users.
D. Rotate or delete all AWS access keys.
E. Take snapshots of all Amazon Elastic Block Store (Amazon EBS) volumes.
F. Delete any resources that are unrecognized or unauthorized.

Answer: BDF

NEW QUESTION 5
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 6
A company has decided to move its fleet of Linux-based web server instances to an Amazon EC2 Auto Scaling group. Currently, the instances are static and are launched manually. When an administrator needs to view log files, the administrator uses SSH to establish a connection to the instances and retrieves the logs manually.

The company often needs to query the logs to produce results about application sessions and user issues. The company does not want its new automatically scaling architecture to result in the loss of any log files when instances are scaled in.
Which combination of steps should a security engineer take to meet these requirements MOST cost-effectively? (Select TWO.)

A. Configure a cron job on the instances to forward the log files to Amazon S3 periodically.
B. Configure AWS Glue and Amazon Athena to query the log files.
C. Configure the Amazon CloudWatch agent on the instances to forward the logs to Amazon CloudWatch Logs.
D. Configure Amazon CloudWatch Logs Insights to query the log files.
E. Configure the instances to write the logs to an Amazon Elastic File System (Amazon EFS) volume.

Answer: CD

NEW QUESTION 7
A company wants to establish separate AWS Key Management Service (AWS KMS) keys to use for different AWS services. The company??s security engineer created a key policy to allow the infrastructure deployment team to create encrypted Amazon Elastic Block Store (Amazon EBS) volumes by assuming the InfrastructureDeployment IAM role. The security engineer recently discovered that IAM roles other than the InfrastructureDeployment role used this key for other services.
Which change to the policy should the security engineer make to resolve these issues?

A. In the statement block that contains the Sid "Allow use of the key", under the "Condition" block, change StringEquals to StringLike.
B. In the policy document, remove the statement block that contains the Sid "Enable IAM User Permissions". Add key management policies to the KMS policy.
C. In the statement block that contains the Sid "Allow use of the key", under the "Condition" block, change the kms:ViaService value to ec2.us-east-1.amazonaws.com.
D. In the policy document, add a new statement block that grants the kms:Disable* permission to the security engineer's IAM role.

Answer: C

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
An application is running on an Amazon EC2 instance that has an IAM role attached. The IAM role provides access to an AWS Key Management Service (AWS KMS) customer managed key and an Amazon S3 bucket. The key is used to access 2 TB of sensitive data that is stored in the S3 bucket. A security engineer discovers a potential vulnerability on the EC2 instance that could result in the compromise of the sensitive data. Due to other critical operations, the security engineer cannot immediately shut down the EC2 instance for vulnerability patching.
What is the FASTEST way to prevent the sensitive data from being exposed?

A. Download the data from the existing S3 bucket to a new EC2 instanc
B. Then delete the data from the S3 bucke
C. Re-encrypt the data with a client-based ke
D. Upload the data to a new S3 bucket.
E. Block access to the public range of S3 endpoint IP addresses by using a host-based firewal
F. Ensure that internet-bound traffic from the affected EC2 instance is routed through the host-based firewall.
G. Revoke the IAM role??s active session permission
H. Update the S3 bucket policy to deny access to the IAM rol
I. Remove the IAM role from the EC2 instance profile.
J. Disable the current ke
K. Create a new KMS key that the IAM role does not have access to, and re-encrypt all the data with the new ke
L. Schedule the compromised key for deletion.

Answer: C

NEW QUESTION 10
A company has a VPC that has no internet access and has the private DNS hostnames option enabled. An Amazon Aurora database is running inside the VPC. A security engineer wants to use AWS Secrets Manager to automatically rotate the credentials for the Aurora database. The security engineer configures the Secrets Manager default AWS Lambda rotation function to run inside the same VPC that the Aurora database uses. However, the security engineer determines that the password cannot be rotated properly because the Lambda function cannot communicate with the Secrets Manager endpoint.
What is the MOST secure way that the security engineer can give the Lambda function the ability to communicate with the Secrets Manager endpoint?

A. Add a NAT gateway to the VPC to allow access to the Secrets Manager endpoint.
B. Add a gateway VPC endpoint to the VPC to allow access to the Secrets Manager endpoint.

C. Add an interface VPC endpoint to the VPC to allow access to the Secrets Manager endpoint.
D. Add an internet gateway for the VPC to allow access to the Secrets Manager endpoint.

Answer: C

NEW QUESTION 10
A company is building a secure solution that relies on an AWS Key Management Service (AWS KMS) customer managed key. The company wants to allow AWS Lambda to use the KMS key. However, the company wants to prevent Amazon EC2 from using the key.
Which solution will meet these requirements?

A. Use IAM explicit deny for EC2 instance profiles and allow for Lambda roles.
B. Use a KMS key policy with kms:ViaService conditions to allow Lambda usage and deny EC2 usage.
C. Use aws:SourceIp and aws:AuthorizedService condition keys in the KMS key policy.
D. Use an SCP to deny EC2 and allow Lambda.

Answer: B

NEW QUESTION 11
A security administrator is setting up a new AWS account. The security administrator wants to secure the data that a company stores in an Amazon S3 bucket. The security administrator also wants to reduce the chance of unintended data exposure and the potential for misconfiguration of objects that are in the S3 bucket.
Which solution will meet these requirements with the LEAST operational overhead?

A. Configure the S3 Block Public Access feature for the AWS account.
B. Configure the S3 Block Public Access feature for all objects that are in the bucket.
C. Deactivate ACLs for objects that are in the bucket.
D. Use AWS PrivateLink for Amazon S3 to access the bucket.

Answer: A

NEW QUESTION 16
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 21
A company uses AWS IAM Identity Center with SAML 2.0 federation. The company decides to change its federation source from one identity provider (IdP) to another. The underlying directory for both IdPs is Active Directory.
Which solution will meet this requirement?

A. Disable all existing users and groups within IAM Identity Center that were part of thefederation with the original IdP.
B. Modify the attribute mappings within the IAM Identity Center trust relationship to match information that the new IdP sends.
C. Reconfigure all existing IAM roles in the company's AWS accounts to explicitly trust the new IdP as the principal.
D. Confirm that the Network Time Protocol (NTP) clock skew is correctly set between IAM Identity Center and the new IdP endpoints.

Answer: B

NEW QUESTION 25
A company has security requirements for Amazon Aurora MySQL databases regarding encryption, deletion protection, public access, and audit logging. The company needs continuous monitoring and real-time visibility into compliance status.
Which solution will meet these requirements?

A. Use AWS Audit Manager with a custom framework.
B. Enable AWS Config and use managed rules to monitor Aurora MySQL compliance.
C. Use AWS Security Hub configuration policies.
D. Use EventBridge and Lambda with custom metrics.

Answer: B

NEW QUESTION 26
A company runs an internet-accessible application on several Amazon EC2 instances that run Windows Server. The company used an instance profile to configure the EC2 instances. A security team currently accesses the VPC that hosts the EC2 instances by using an AWS Site-to-Site VPN tunnel from an on-premises office. The security team issues a policy that requires all external access to the VPC to be blocked in the event of a security incident. However, during an incident, the security team must be able to access the EC2 instances to obtain forensic information on the instances.
Which solution will meet these requirements?

A. Install EC2 Instance Connect on the EC2 instance
B. Update the IAM policy for the IAM role to grant the required permission
C. Use the AWS CLI to open a tunnel to connect to the instances.
D. Install EC2 Instance Connect on the EC2 instance
E. Configure the instances to permit access to the ec2-instance-connect command use

F. Use the AWS Management Console to connect to the EC2 instances.
G. Create an EC2 Instance Connect endpoint in the VP
H. Configure an appropriate security group to allow access between the EC2 instances and the endpoin
I. Use the AWS CLI to open a tunnel to connect to the instances.
J. Create an EC2 Instance Connect endpoint in the VP
K. Configure an appropriate security group to allow access between the EC2 instances and the endpoin
L. Use the AWS Management Console to connect to the EC2 instances.

Answer: D

NEW QUESTION 31
A security engineer configured VPC Flow Logs to publish to Amazon CloudWatch Logs. After 10 minutes, no logs appear. The issue is isolated to the IAM role associated with VPC Flow Logs.
What could be the reason?

A. logs:GetLogEvents is missing.
B. The engineer cannot assume the role.
C. The vpc-flow-logs.amazonaws.com principal cannot assume the role.
D. The role cannot tag the log stream.

Answer: C

NEW QUESTION 35
A company creates AWS Lambda functions from container images that are stored in Amazon Elastic Container Registry (Amazon ECR). The company needs to identify any software vulnerabilities in the container images and any code vulnerabilities in the Lambda functions.
Which solution will meet these requirements?

A. Enable Amazon GuardDut
B. Configure Amazon ECR scanning and Lambda code scanning in GuardDuty.
C. Enable Amazon GuardDut
D. Configure Runtime Monitoring and Lambda Protection in GuardDuty.
E. Enable Amazon Inspecto
F. Configure Amazon ECR enhanced scanning and Lambda code scanning in Amazon Inspector.
G. Enable AWS Security Hu
H. Configure Runtime Monitoring and Lambda Protection in Security Hub.

Answer: C

NEW QUESTION 38
A company has several Amazon S3 buckets that do not enforce encryption in transit. A security engineer must implement a solution that enforces encryption in transit for all the company's existing and future S3 buckets.
Which solution will meet these requirements?

A. Enable AWS Confi
B. Create a proactive AWS Config Custom Policy rul
C. Create aGuard clause to evaluate the S3 bucket policies to check for a value of True for the aws:SecureTransport condition ke
D. If the AWS Config rule evaluates to NON_COMPLIANT, block resource creation.
E. Enable AWS Confi
F. Configure the s3-bucket-ssl-requests-only AWS Config managed rule and set the rule trigger type to Hybri
G. Create an AWS Systems Manager Automation runbook that applies a bucket policy to deny requests when the value of the aws:SecureTransport condition key is Fals
H. Configure automatic remediatio
I. Set the runbook as the target of the rule.
J. Enable Amazon Inspecto
K. Create a custom AWS Lambda rul
L. Create a Lambda function that applies a bucket policy to deny requests when the value of the aws:SecureTransport condition key is Fals
M. Set the Lambda function as the target of the rule.
N. Create an AWS CloudTrail trai
O. Enable S3 data events on the trai
P. Create an AWS Lambda function that applies a bucket policy to deny requests when the value of the aws:SecureTransport condition key is Fals
Q. Configure the CloudTrail trail to invoke the Lambda function.

Answer: B

NEW QUESTION 43
CloudFormation stack deployments fail for some users due to permission inconsistencies.
Which combination of steps will ensure consistent deployments MOST securely? (Select THREE.)

A. Create a composite principal service role.
B. Create a service role with cloudformation.amazonaws.com as the principal.
C. Attach scoped policies to the service role.
D. Attach service ARNs in policy resources.
E. Update each stack to use the service role.
F. Allow iam:PassRole to the service role.

Answer: BEF

NEW QUESTION 45

A company??s security engineer receives an alert that indicates that an unexpected principal is accessing a company-owned Amazon Simple Queue Service (Amazon SQS) queue. All the company??s accounts are within an organization in AWS Organizations. The security engineer must implement a mitigation solution that minimizes compliance violations and investment in tools outside of AWS.
What should the security engineer do to meet these requirements?

A. Create security groups and attach them to all SQS queues.
B. Modify network ACLs in all VPCs to restrict inbound traffic.
C. Create interface VPC endpoints for Amazon SQ
D. Restrict access using aws:SourceVpce and aws:PrincipalOrgId conditions.
E. Use a third-party cloud access security broker (CASB).

Answer: C

NEW QUESTION 48
A company needs to scan all AWS Lambda functions for code vulnerabilities.

A. Use Amazon Macie.
B. Enable Amazon Inspector Lambda scanning.
C. Use GuardDuty and Security Hub.
D. Use GuardDuty Lambda Protection.

Answer: B

NEW QUESTION 50
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 53
A company is using AWS Organizations with nested OUs to manage AWS accounts. The company has a custom compliance monitoring service for the accounts. The monitoring service runs as an AWS Lambda function and is invoked by Amazon EventBridge Scheduler.
The company needs to deploy the monitoring service in all existing and future accounts in the organization. The company must avoid using the organization's management account when the management account is not required.
Which solution will meet these requirements?

A. Create a CloudFormation stack set in the organization's management account andmanually add new accounts.
B. Configure a delegated administrator account for AWS CloudFormatio
C. Create a CloudFormation StackSet in the delegated administrator account targeting the organization root with automatic deployment enabled.
D. Use Systems Manager delegated administration and Automation to deploy the Lambda function and schedule.
E. Create a Systems Manager Automation runbook in the management account and share it to accounts.

Answer: B

NEW QUESTION 54
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 58
A company is implementing new compliance requirements to meet customer needs. According to the new requirements, the company must not use any Amazon RDS DB instances or DB clusters that lack encryption of the underlying storage. The company needs a solution that will generate an email alert when an unencrypted DB instance or DB cluster is created. The solution also must terminate the unencrypted DB instance or DB cluster.
Which solution will meet these requirements in the MOST operationally efficient manner?

A. Create an AWS Config managed rule to detect unencrypted RDS storag

B. Configure an automatic remediation action to publish messages to an Amazon Simple Notification Service (Amazon SNS) topic that includes an AWS Lambda function and an email delivery target as subscriber
C. Configure the Lambda function to delete the unencrypted resource.
D. Create an AWS Config managed rule to detect unencrypted RDS storag
E. Configure a manual remediation action to invoke an AWS Lambda functio
F. Configure the Lambda function to publish messages to an Amazon Simple Notification Service (Amazon SNS) topic and to delete the unencrypted resource.
G. Create an Amazon EventBridge rule that evaluates RDS event patterns and is initiated by the creation of DB instances or DB cluster
H. Configure the rule to publish messages to an Amazon Simple Notification Service (Amazon SNS) topic that includes an AWS Lambda function and an email delivery target as subscriber
I. Configure the Lambda function to delete the unencrypted resource.
J. Create an Amazon EventBridge rule that evaluates RDS event patterns and is initiated by the creation of DB instances or DB cluster
K. Configure the rule to invoke an AWS Lambda functio
L. Configure the Lambda function to publish messages to an Amazon Simple Notification Service (Amazon SNS) topic and to delete the unencrypted resource.

Answer: A

NEW QUESTION 59
A company runs a global ecommerce website using Amazon CloudFront. The company must block traffic from specific countries to comply with data regulations.
Which solution will meet these requirements MOST cost-effectively?

A. Use AWS WAF IP match rules.
B. Use AWS WAF geo match rules.
C. Use CloudFront geo restriction to deny the countries.
D. Use geolocation headers in CloudFront.

Answer: C

NEW QUESTION 60
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 63
A company must capture AWS CloudTrail data events and must retain the logs for 7 years. The logs must be immutable and must be available to be searched by complex queries. The company also needs to visualize the data from the logs.
Which solution will meet these requirements MOST cost-effectively?

A. Create a CloudTrail Lake data stor
B. Implement CloudTrail Lake dashboards to visualize and query the results.
C. Use the CloudTrail Event History feature in the AWS Management Consol
D. Visualize and query the results in the console.
E. Send the CloudTrail logs to an Amazon S3 bucke
F. Provision a persistent Amazon EMR cluster that has access to the S3 bucke
G. Enable S3 Object Lock on the S3 bucke
H. Use Apache Spark to perform querie
I. Use Amazon QuickSight for visualizations.
J. Send the CloudTrail logs to a log group in Amazon CloudWatch Log
K. Set the CloudWatch Logs stream to send the data to an Amazon OpenSearch Service domai
L. Enable cold storage for the OpenSearch Service domai
M. Use OpenSearch Dashboards for visualizations and queries.

Answer: A

NEW QUESTION 65
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 66
A company must inventory sensitive data across all Amazon S3 buckets in all accounts from a single security account.

A. Delegate Amazon Macie and Security Hub administration.
B. Use Amazon Inspector with Security Hub.
C. Use Inspector with Trusted Advisor.
D. Use Macie with Trusted Advisor.

Answer: A

NEW QUESTION 71
A company runs a public web application on Amazon EKS behind Amazon CloudFront and an Application Load Balancer (ALB). A security engineer must send a notification to an existing Amazon SNS topic when the application receives 10,000 requests from the same end-user IP address within any 5-minute period.
Which solution will meet these requirements?

A. Configure CloudFront standard logging and CloudWatch Logs metric filters.
B. Configure VPC Flow Logs and CloudWatch Logs metric filters.
C. Configure an AWS WAF web ACL with an ASN match rule and CloudWatch alarms.
D. Configure an AWS WAF web ACL with a rate-based rul
E. Associate it with CloudFron
F. Create a CloudWatch alarm to notify SNS.

Answer: D

NEW QUESTION 72
A security engineer is designing a solution that will provide end-to-end encryption between clients and Docker containers running in Amazon Elastic Container Service (Amazon ECS). This solution must also handle volatile traffic patterns.
Which solution would have the MOST scalability and LOWEST latency?

A. Configure a Network Load Balancer to terminate the TLS traffic and then re-encrypt the traffic to the containers.
B. Configure an Application Load Balancer to terminate the TLS traffic and then re-encrypt the traffic to the containers.
C. Configure a Network Load Balancer with a TCP listener to pass through TLS traffic to the containers.
D. Configure Amazon Route 53 to use multivalue answer routing to send traffic to the containers.

Answer: C

NEW QUESTION 73
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 74
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 79
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 82
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