SCS-C02 Dumps

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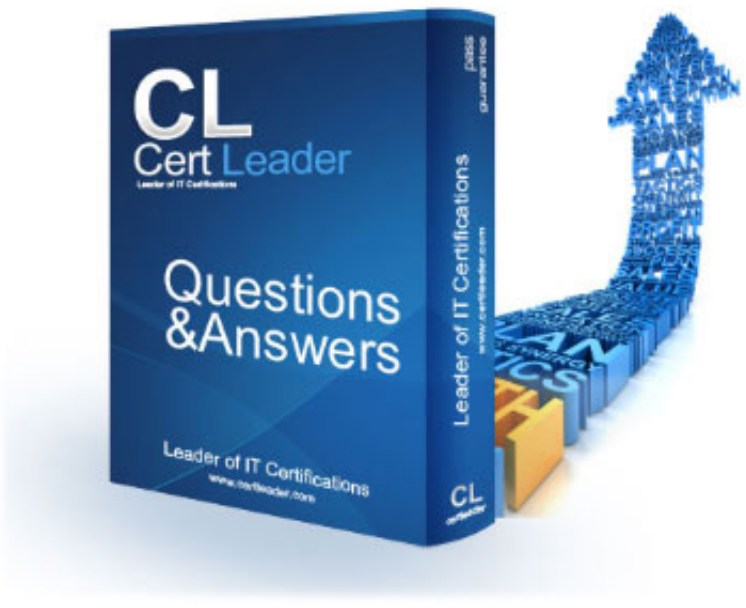


NEW QUESTION 1
- (Exam Topic 1)
A Security Engineer has been asked to troubleshoot inbound connectivity to a web server. This single web server is not receiving inbound connections from the internet, whereas all other web servers are functioning properly.
The architecture includes network ACLs, security groups, and a virtual security appliance. In addition, the Development team has implemented Application Load Balancers (ALBs) to distribute the load across all web servers. It is a requirement that traffic between the web servers and the internet flow through the virtual security appliance.
The Security Engineer has verified the following:
* 1. The rule set in the Security Groups is correct
* 2. The rule set in the network ACLs is correct
* 3. The rule set in the virtual appliance is correct
Which of the following are other valid items to troubleshoot in this scenario? (Choose two.)

A. Verify that the 0.0.0.0/0 route in the route table for the web server subnet points to a NAT gateway.
B. Verify which Security Group is applied to the particular web server's elastic network interface (ENI).
C. Verify that the 0.0.0.0/0 route in the route table for the web server subnet points to the virtual security appliance.
D. Verify the registered targets in the ALB.
E. Verify that the 0.0.0.0/0 route in the public subnet points to a NAT gateway.

Answer: CD

Explanation:
https://docs.IAM.amazon.com/IAMEC2/latest/UserGuide/using-eni.html

NEW QUESTION 2
- (Exam Topic 1)
A Security Engineer has several thousand Amazon EC2 instances split across production and development environments. Each instance is tagged with its environment. The Engineer needs to analyze and patch all the development EC2 instances to ensure they are not currently exposed to any common vulnerabilities or exposures (CVEs)
Which combination of steps is the MOST efficient way for the Engineer to meet these requirements? (Select TWO.)

A. Log on to each EC2 instance, check and export the different software versions installed, and verify this against a list of current CVEs.
B. Install the Amazon Inspector agent on all development instances Build a custom rule package, and configure Inspector to perform a scan using this custom rule on all instances tagged as being in the development environment.
C. Install the Amazon Inspector agent on all development instances Configure Inspector to perform a scan using the CVE rule package on all instances tagged as being in the development environment.
D. Install the Amazon EC2 System Manager agent on all development instances Issue the Run command to EC2 System Manager to update all instances
E. Use IAM Trusted Advisor to check that all EC2 instances have been patched to the most recent version of operating system and installed software.

Answer: CD

NEW QUESTION 3
- (Exam Topic 1)
A security engineer has created an Amazon Cognito user pool. The engineer needs to manually verify the ID and access token sent by the application for troubleshooting purposes
What is the MOST secure way to accomplish this?

A. Extract the subject (sub), audience (aud), and cognito:username from the ID token payload Manually check the subject and audience for the user name In the user pool
B. Search for the public key with a key ID that matches the key ID In the header of the toke
C. Then use a JSON Web Token (JWT) library to validate the signature of the token and extract values, such as the expiry date
D. Verify that the token is not expire
E. Then use the token_use claim function In Amazon Cognito to validate the key IDs
F. Copy the JSON Web Token (JWT) as a JSON document Obtain the public JSON Web Key (JWK) and convert It to a pem fil
G. Then use the file to validate the original JWT.

Answer: A

NEW QUESTION 4
- (Exam Topic 1)
A Developer is building a serverless application that uses Amazon API Gateway as the front end. The application will not be publicly accessible. Other legacy applications running on Amazon EC2 will make calls to the application A Security Engineer Has been asked to review the security controls for authentication and authorization of the application
Which combination of actions would provide the MOST secure solution? (Select TWO)

A. Configure an IAM policy that allows the least permissive actions to communicate with the API Gateway Attach the policy to the role used by the legacy EC2 instances
B. Enable IAM WAF for API Gateway Configure rules to explicitly allow connections from the legacy EC2 instances
C. Create a VPC endpoint for API Gateway Attach an IAM resource policy that allows the role of the legacy EC2 instances to call specific APIs
D. Create a usage plan Generate a set of API keys for each application that needs to call the API.
E. Configure cross-origin resource sharing (CORS) in each API Share the CORS information with the applications that call the API.

Answer: AE

NEW QUESTION 5
- (Exam Topic 1)
A company has a serverless application for internal users deployed on IAM. The application uses IAM Lambda for the front end and for business logic. The

Lambda function accesses an Amazon RDS database inside a VPC The company uses IAM Systems Manager Parameter Store for storing database credentials.
A recent security review highlighted the following issues
- The Lambda function has internet access.
- The relational database is publicly accessible.
- The database credentials are not stored in an encrypted state.

Which combination of steps should the company take to resolve these security issues? (Select THREE)

A. Disable public access to the RDS database inside the VPC
B. Move all the Lambda functions inside the VPC.
C. Edit the IAM role used by Lambda to restrict internet access.
D. Create a VPC endpoint for Systems Manage
E. Store the credentials as a string paramete
F. Change the parameter type to an advanced parameter.
G. Edit the IAM role used by RDS to restrict internet access.
H. Create a VPC endpoint for Systems Manage
I. Store the credentials as a SecureString parameter.

Answer: ABE

NEW QUESTION 6
- (Exam Topic 1)
A company had one of its Amazon EC2 key pairs compromised. A Security Engineer must identify which current Linux EC2 instances were deployed and used the compromised key pair.
How can this task be accomplished?

A. Obtain the list of instances by directly querying Amazon EC2 using: IAM ec2 describe-instances--fi1ters "Name=key-name,Values=KEYNAMEHERE".
B. Obtain the fingerprint for the key pair from the IAM Management Console, then search for the fingerprint in the Amazon Inspector logs.
C. Obtain the output from the EC2 instance metadata using: curl http://169.254.169.254/latest/meta-data/public- keys/0/.
D. Obtain the fingerprint for the key pair from the IAM Management Console, then search for thefingerprint in Amazon CloudWatch Logs using: IAM logs filter-log-events.

Answer: A

NEW QUESTION 7
- (Exam Topic 1)
A security engineer needs to configure monitoring and auditing for IAM Lambda.
Which combination of actions using IAM services should the security engineer take to accomplish this goal? (Select TWO.)

A. Use IAM Config to track configuration changes to Lambda functions, runtime environments, tags, handler names, code sizes, memory allocation, timeout settings, and concurrency settings, along with Lambda IAM execution role, subnet, and security group associations.
B. Use IAM CloudTrail to implement governance, compliance, operational, and risk auditing for Lambda.
C. Use Amazon Inspector to automatically monitor for vulnerabilities and perform governance, compliance, operational, and risk auditing for Lambda.
D. Use IAM Resource Access Manager to track configuration changes to Lambda functions, runtime environments, tags, handler names, code sizes, memory allocation, timeout settings, and concurrency settings, along with Lambda IAM execution role, subnet, and security group associations.
E. Use Amazon Macie to discover, classify, and protect sensitive data being executed inside the Lambda function.

Answer: AB

NEW QUESTION 8
- (Exam Topic 1)
A company's development team is designing an application using IAM Lambda and Amazon Elastic Container Service (Amazon ECS). The development team needs to create IAM roles to support these systems. The company's security team wants to allow the developers to build IAM roles directly, but the security team wants to retain control over the permissions the developers can delegate to those roles. The development team needs access to more permissions than those required for the application's IAM services. The solution must minimize management overhead.
How should the security team prevent privilege escalation for both teams?

A. Enable IAM CloudTrai
B. Create a Lambda function that monitors the event history for privilege escalation events and notifies the security team.
C. Create a managed IAM policy for the permissions require
D. Reference the IAM policy as a permissions boundary within the development team's IAM role.
E. Enable IAM Organizations Create an SCP that allows the IAM CreateUser action but that has a condition that prevents API calls other than those required by the development team
F. Create an IAM policy with a deny on the IAMCreateUser action and assign the policy to the development tea
G. Use a ticket system to allow the developers to request new IAM roles for their application
H. The IAM roles will then be created by the security team.

Answer: A

NEW QUESTION 9
- (Exam Topic 1)
A company recently performed an annual security assessment of its IAM environment. The assessment showed that audit logs are not available beyond 90 days and that unauthorized changes to IAM policies are made without detection.
How should a security engineer resolve these issues?

A. Create an Amazon S3 lifecycle policy that archives IAM CloudTrail trail logs to Amazon S3 Glacier after 90 day
B. Configure Amazon Inspector to provide a notification when a policy change is made to resources.
C. Configure IAM Artifact to archive IAM CloudTrail logs Configure IAM Trusted Advisor to provide a notification when a policy change is made to resources.
D. Configure Amazon CloudWatch to export log groups to Amazon S3. Configure IAM CloudTrail to provide a notification when a policy change is made to

resources.
E. Create an IAM CloudTrail trail that stores audit logs in Amazon S3. Configure an IAM Config rule to provide a notification when a policy change is made to resources.

Answer: D

Explanation:
https://docs.IAM.amazon.com/IAMcloudtrail/latest/userguide/best-practices-security.html
"For an ongoing record of events in your IAM account, you must create a trail. Although CloudTrail provides 90 days of event history information for management events in the CloudTrail console without creating a trail, it is not a permanent record, and it does not provide information about all possible types of events. For an ongoing record, and for a record that contains all the event types you specify, you must create a trail, which delivers log files to an Amazon S3 bucket that you specify."
https://IAM.amazon.com/blogs/security/how-to-record-and-govern-your-iam-resource-configurations-using-IAM

NEW QUESTION 10
- (Exam Topic 1)
A security engineer is responsible for providing secure access to IAM resources for thousands of developer in a company's corporate identity provider (idp). The developers access a set of IAM services from the corporate premises using IAM credential. Due to the velum of require for provisioning new IAM users, it is taking a long time to grant access permissions. The security engineer receives reports that developer are sharing their IAM credentials with others to avoid provisioning delays. The causes concern about overall security for the security engineer.
Which actions will meet the program requirements that address security?

A. Create an Amazon CloudWatch alarm for IAM CloudTrail Events Create a metric filter to send a notification when me same set of IAM credentials is used by multiple developer
B. Create a federation between IAM and the existing corporate IdP Leverage IAM roles to provide federated access to IAM resources
C. Create a VPN tunnel between the corporate premises and the VPC Allow permissions to all IAM services only if it originates from corporate premises.
D. Create multiple IAM rotes for each IAM user Ensure that users who use the same IAM credentials cannot assume the same IAM role at the same time.

Answer: B

NEW QUESTION 10
- (Exam Topic 1)
After a recent security audit involving Amazon S3, a company has asked assistance reviewing its S3 buckets to determine whether data is properly secured. The first S3 bucket on the list has the following bucket policy.

```
{
    "Version":"2012-10-17",
    "Statement":[
        {
            "Effect":"Allow",
            "Principal":"*",
            "Action":"s3:*",
            "Resource":"arn:aws:s3:::examplebucket/*",
            "Condition": {
                "IpAddress": {
                    "aws:SourceIp": [
                        "10.10.10.0/24"
                    ]
                }
            }
        }
    ]
}
```

Is this bucket policy sufficient to ensure that the data is not publicity accessible?

A. Yes, the bucket policy makes the whole bucket publicly accessible despite now the S3 bucket ACL or object ACLs are configured.
B. Yes, none of the data in the bucket is publicity accessible, regardless of how the S3 bucket ACL and object ACLs are configured.
C. No, the IAM user policy would need to be examined first to determine whether any data is publicly accessible.
D. No, the S3 bucket ACL and object ACLs need to be examined first to determine whether any data is publicly accessible.

Answer: A

NEW QUESTION 13
- (Exam Topic 1)
A company's on-premises data center forwards DNS logs to a third-party security incident events management (SIEM) solution that alerts on suspicious behavior. The company wants to introduce a similar capability to its IAM accounts that includes automatic remediation. The company expects to double in size within the next few months.
Which solution meets the company's current and future logging requirements?

A. Enable Amazon GuardDuty and IAM Security Hub in all Regions and all account
B. Designate a master security account to receive all alerts from the child account
C. Set up specific rules within Amazon Even;Bridge to trigger an IAM Lambda function for remediation steps.
D. Ingest all IAM CloudTrail logs, VPC Flow Logs, and DNS logs into a single Amazon S3 bucket in a designated security accoun
E. Use the current on-premises SIEM to monitor the logs and send a notification to an Amazon SNS topic to alert the security team of remediation steps.
F. Ingest all IAM CloudTrail logs, VPC Flow Logs, and DNS logs into a single Amazon S3 bucket in a designated security accoun
G. Launch an Amazon EC2 instance and install the current SIEM to monitor the logs and send a notification to an Amazon SNS topic to alert the security team of remediation steps.
H. Enable Amazon GuardDuty and IAM Security Hub in all Regions and all account
I. Designate a master security account to receive all alerts from the child account
J. Create an IAM Organizations SCP that denies access to certain API calls that are on an ignore list.

Answer: A

NEW QUESTION 14
- (Exam Topic 1)
A company has several critical applications running on a large fleet of Amazon EC2 instances. As part of a security operations review, the company needs to apply a critical operating system patch to EC2 instances within 24 hours of the patch becoming available from the operating system vendor. The company does not have a patching solution deployed on IAM, but does have IAM Systems Manager configured. The solution must also minimize administrative overhead.
What should a security engineer recommend to meet these requirements?

A. Create an IAM Config rule defining the patch as a required configuration for EC2 instances.
B. Use the IAM Systems Manager Run Command to patch affected instances.
C. Use an IAM Systems Manager Patch Manager predefined baseline to patch affected instances.
D. Use IAM Systems Manager Session Manager to log in to each affected instance and apply the patch.

Answer: B

NEW QUESTION 17
- (Exam Topic 1)
To meet regulatory requirements, a Security Engineer needs to implement an IAM policy that restricts the use of IAM services to the us-east-1 Region.
What policy should the Engineer implement?

A

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": "*",
            "Resource": "*",
            "Condition": {
                "StringEquals": {
                    "aws:RequestedRegion": "us-east-1"
                }
            }
        }
    ]
}
```

B

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": "*",
            "Resource": "*",
            "Condition": {
                "StringEquals": {
                    "ec2:Region": "us-east-1"
                }
            }
        }
    ]
}
```

C

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
          "Effect": "Deny",
          "Action": "*",
          "Resource": "*",
          "Condition":  {
              "StringNotEquals":  {
                  "aws:RequestedRegion": "us-east-1"
              }
          }
        }
    ]
}
```

D

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
          "Effect": "Deny",
          "NotAction": "*",
          "Resource": "*",
          "Condition":  {
              "StringEquals":  {
                  "aws:RequestedRegion": "us-east-1"
              }
          }
        }
    ]
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 20
- (Exam Topic 1)
A company is designing the securely architecture (or a global latency-sensitive web application it plans to deploy to IAM. A Security Engineer needs to configure a highly available and secure two-tier architecture. The security design must include controls to prevent common attacks such as DDoS, cross-site scripting, and SQL injection.
Which solution meets these requirements?

A. Create an Application Load Balancer (ALB) that uses public subnets across multiple Availability Zones within a single Regio
B. Point the ALB to an Auto Scaling group with Amazon EC2 instances in private subnets across multiple Availability Zones within the same Regio
C. Create an AmazonCloudFront distribution that uses the ALB as its origi
D. Create appropriate IAM WAF ACLs and enable them on the CloudFront distribution.
E. Create an Application Load Balancer (ALB) that uses private subnets across multiple Availability Zones within a single Regio
F. Point the ALB to an Auto Scaling group with Amazon EC2 instances in private subnets across multiple Availability Zones within the same Regio
G. Create an Amazon CloudFront distribution that uses the ALB as its origi
H. Create appropriate IAM WAF ACLs and enable them on the CloudFront distribution.
I. Create an Application Load Balancer (ALB) that uses public subnets across multiple Availability Zones within a single Regio
J. Point the ALB to an Auto Scaling group with Amazon EC2 instances in private subnets across multiple Availability Zones within the same Regio
K. Create appropriate IAM WAF ACLs and enable them on the ALB.
L. Create an Application Load Balancer (ALB) that uses private subnets across multiple Availability Zones within a single Regio
M. Point the ALB to an Auto Scaling group with Amazon EC2 instances in private subnets across multiple Availability Zones within the same Regio
N. Create appropriate IAM WAF ACLs and enable them on the ALB.

Answer: A

NEW QUESTION 23
- (Exam Topic 1)
A company's Director of information Security wants a daily email report from IAM that contains recommendations for each company account to meet IAM Security best practices.
Which solution would meet these requirements?

A. in every IAM account, configure IAM Lambda to query me IAM Support API tor IAM Trusted Advisor security checks Send the results from Lambda to an

Amazon SNS topic to send reports.
B. Configure Amazon GuardDuty in a master account and invite all other accounts to be managed by the master account Use GuardDuty's integration with Amazon SNS to report on findings
C. Use Amazon Athena and Amazon QuickSight to build reports off of IAM CloudTrail Create a daily Amazon CloudWatch trigger to run the report dally and email It using Amazon SNS
D. Use IAM Artifact's prebuilt reports and subscriptions Subscribe the Director of Information Security to the reports by adding the Director as the security alternate contact tor each account

Answer: A

NEW QUESTION 24
- (Exam Topic 1)
A security engineer has been tasked with implementing a solution that allows the company's development team to have interactive command line access to Amazon EC2 Linux instances using the IAM Management Console.
Which steps should the security engineer take to satisfy this requirement while maintaining least privilege?

A. Enable IAM Systems Manager in the IAM Management Console and configure for access to EC2 instances using the default AmazonEC2RoleforSSM rol
B. Install the Systems Manager Agent on all EC2 Linux instances that need interactive acces
C. Configure IAM user policies to allow development team access to the Systems Manager Session Manager and attach to the team's IAM users.
D. Enable console SSH access in the EC2 consol
E. Configure IAM user policies to allow development team access to the IAM Systems Manager Session Manager and attach to the development team's IAM users.
F. Enable IAM Systems Manager in the IAM Management Console and configure to access EC2 instances using the default AmazonEC2RoleforSSM rol
G. Install the Systems Manager Agent on all EC2 Linux instances that need interactive acces
H. Configure a security group that allows SSH port 22 from all published IP addresse
I. Configure IAM user policies to allow development team access to the IAM Systems Manager Session Manager and attach to the team's IAM users.
J. Enable IAM Systems Manager in the IAM Management Console and configure to access EC2 instances using the default AmazonEC2RoleforSSM role Install the Systems Manager Agent on all EC2 Linux instances that need interactive acces
K. Configure IAM policies to allow development team access to the EC2 console and attach to the teams IAM users.

Answer: A

NEW QUESTION 26
- (Exam Topic 1)
A Security Administrator at a university is configuring a fleet of Amazon EC2 instances. The EC2 instances are shared among students, and non-root SSH access is allowed. The Administrator is concerned about students attacking other IAM account resources by using the EC2 instance metadata service.
What can the Administrator do to protect against this potential attack?

A. Disable the EC2 instance metadata service.
B. Log all student SSH interactive session activity.
C. Implement ip tables-based restrictions on the instances.
D. Install the Amazon Inspector agent on the instances.

Answer: A

Explanation:
"To turn off access to instance metadata on an existing instance....." https://docs.IAM.amazon.com/IAMEC2/latest/UserGuide/configuring-instance-metadata-service.html You can disable the service for existing (running or stopped) ec2 instances. https://docs.IAM.amazon.com/cli/latest/reference/ec2/modify-instance-metadata-options.html

NEW QUESTION 31
- (Exam Topic 1)
A company's web application is hosted on Amazon EC2 instances running behind an Application Load Balancer (ALB) in an Auto Scaling group. An IAM WAF web ACL is associated with the ALB. IAM CloudTrail is enabled, and stores logs in Amazon S3 and Amazon CloudWatch Logs.
The operations team has observed some EC2 instances reboot at random. After rebooting, all access logs on the instances have been deleted. During an investigation, the operations team found that each reboot happened just after a PHP error occurred on the new-user-creation.php file. The operations team needs to view log information to determine if the company is being attacked.
Which set of actions will identify the suspect attacker's IP address for future occurrences?

A. Configure VPC Flow Logs on the subnet where the ALB is located, and stream the data CloudWatch.Search for the new-user-creation.php occurrences in CloudWatch.
B. Configure the CloudWatch agent on the ALB Configure the agent to send application logs to CloudWatch Update the instance role to allow CloudWatch Logs acces
C. Export the logs to CloudWatch Search for the new-user-creation.php occurrences in CloudWatch.
D. Configure the ALB to export access logs to an Amazon Elasticsearch Service cluster, and use the service to search for the new-user-creation.php occurrences.
E. Configure the web ACL to send logs to Amazon Kinesis Data Firehose, which delivers the logs to an S3 bucket Use Amazon Athena to query the logs and find the new-user-creation php occurrences.

Answer: D

Explanation:
You send logs from your web ACL to an Amazon Kinesis Data Firehose with a configured storage destination. After you enable logging, IAM WAF delivers logs to your storage destination through the HTTPS endpoint of Kinesis Data Firehose. https://docs.IAM.amazon.com/waf/latest/developerguide/logging.html

NEW QUESTION 35
- (Exam Topic 1)
A global company that deals with International finance is investing heavily in cryptocurrencies and wants to experiment with mining technologies using IAM. The company's security team has enabled Amazon GuardDuty and is concerned by the number of findings being generated by the accounts. The security team wants to minimize the possibility of GuardDuty finding false negatives for compromised instances that are performing mining

How can the security team continue using GuardDuty while meeting these requirements?

A. In the GuardDuty console, select the CryptoCurrency:EC2/BitcoinTool B'DNS finding and use the suppress findings option
B. Create a custom IAM Lambda function to process newly detected GuardDuty alerts Process the CryptoCurrency EC2/BitcoinTool BIDNS alert and filter outthe high-severity finding types only.
C. When creating a new Amazon EC2 Instance, provide the instance with a specific tag that indicates it is performing mining operations Create a custom IAM Lambda function to process newly detected GuardDuty alerts and filter for the presence of this tag
D. When GuardDuty produces a cryptocurrency finding, process the finding with a custom IAM Lambda function to extract the instance ID from the finding Then use the IAM Systems Manager Run Command to check for a running process performing mining operations

Answer: A

NEW QUESTION 40
- (Exam Topic 1)
A company has several workloads running on IAM. Employees are required to authenticate using on-premises ADFS and SSO to access the IAM Management Console. Developers migrated an existing legacy web application to an Amazon EC2 instance. Employees need to access this application from anywhere on the internet, but currently, there is no authentication system built into the application.
How should the Security Engineer implement employee-only access to this system without changing the application?

A. Place the application behind an Application Load Balancer (ALB). Use Amazon Cognito as authentication for the AL
B. Define a SAML-based Amazon Cognito user pool and connect it to ADFS.
C. Implement IAM SSO in the master account and link it to ADFS as an identity provide
D. Define the EC2 instance as a managed resource, then apply an IAM policy on the resource.
E. Define an Amazon Cognito identity pool, then install the connector on the Active Directory serve
F. Use the Amazon Cognito SDK on the application instance to authenticate the employees using their Active Directory user names and passwords.
G. Create an IAM Lambda custom authorizer as the authenticator for a reverse proxy on Amazon EC2.Ensure the security group on Amazon EC2 only allows access from the Lambda function.

Answer: A

Explanation:
https://docs.IAM.amazon.com/elasticloadbalancing/latest/application/listener-authenticate-users.html
- Authenticate users through social IdPs, such as Amazon, Facebook, or Google, through the user pools supported by Amazon Cognito.
- Authenticate users through corporate identities, using SAML, LDAP, or Microsoft AD, through the user pools supported by Amazon Cognito.

NEW QUESTION 43
- (Exam Topic 1)
A recent security audit identified that a company's application team injects database credentials into the environment variables of an IAM Fargate task. The company's security policy mandates that all sensitive data be encrypted at rest and in transit.
When combination of actions should the security team take to make the application compliant within the security policy? (Select THREE)

A. Store the credentials securely in a file in an Amazon S3 bucket with restricted access to the application team IAM role Ask the application team to read the credentials from the S3 object instead
B. Create an IAM Secrets Manager secret and specify the key/value pairs to be stored in this secret
C. Modify the application to pull credentials from the IAM Secrets Manager secret instead of the environment variables.
D. Add the following statement to the container instance IAM role policy

```
{
    "Effect": "Allow",
    "Action": [
        "ssm:GetParameters",
        "secretsmanager:GetSecretValue",
        "kms:Decrypt"
    ],
    "Resource": [
        "arn:aws:secretsmanager:<region>:<aws_account_id>:secret:secret_name",
        "arn:aws:kms:<region>:<aws_account_id>:key/key_id"
    ]
}
```

E. Add the following statement to the execution role policy.

```
{
    "Effect": "Allow",
    "Action": [
        "ssm:GetParameters",
        "secretsmanager:GetSecretValue",
        "kms:Decrypt"
    ],
    "Resource": [
        "arn:aws:secretsmanager:<region>:<aws_account_id>:secret:secret_name",
        "arn:aws:kms:<region>:<aws_account_id>:key/key_id"
    ]
}
```

F. Log in to the IAM Fargate instance, create a script to read the secret value from IAM Secret Manager, and inject the environment variable
G. Ask the application team to redeploy the application.

Answer: BEF

NEW QUESTION 48
- (Exam Topic 1)
A company uses HTTP Live Streaming (HLS) to stream live video content to paying subscribers by using
Amazon CloudFront. HLS splits the video content into chunks so that the user can request the right chunk based on different conditions Because the video events last for several hours, the total video is made up of thousands of chunks
The origin URL is not disclosed and every user is forced to access the CloudFront URL The company has a web application that authenticates the paying users against an internal repository and a CloudFront key pair that is already issued.
What is the simplest and MOST effective way to protect the content?

A. Develop the application to use the CloudFront key pair to create signed URLs that users will use to access the content.
B. Develop the application to use the CloudFront key pair to set the signed cookies that users will use to access the content.

C. Develop the application to issue a security token that Lambda@Edge will receive to authenticate and authorize access to the content
D. Keep the CloudFront URL encrypted inside the application, and use IAM KMS to resolve the URL on-the-fly after the user is authenticated.

Answer: B

NEW QUESTION 49
- (Exam Topic 1)
A company has a VPC with an IPv6 address range and a public subnet with an IPv6 address block. The VPC currently hosts some public Amazon EC2 instances but a Security Engineer needs to migrate a second application into the VPC that also requires IPv6 connectivity.
This new application will occasionally make API requests to an external, internet-accessible endpoint to receive updates However, the Security team does not want the application's EC2 instance exposed directly to the internet The Security Engineer intends to create a private subnet with a custom route table and to associate the route table with the private subnet
What else does the Security Engineer need to do to ensure the application will not be exposed directly to the internet, but can still communicate as required"

A. Launch a NAT instance in the public subnet Update the custom route table with a new route to the NAT instance
B. Remove the internet gateway, and add IAM PrivateLink to the VPC Then update the custom route table with a new route to IAM PrivateLink
C. Add a managed NAT gateway to the VPC Update the custom route table with a new route to the gateway
D. Add an egress-only internet gateway to the VP
E. Update the custom route table with a new route to thegateway

Answer: D

NEW QUESTION 52
- (Exam Topic 1)
The Development team receives an error message each time the team members attempt to encrypt or decrypt a Secure String parameter from the SSM Parameter Store by using an IAM KMS customer managed key (CMK).
Which CMK-related issues could be responsible? (Choose two.)

A. The CMK specified in the application does not exist.
B. The CMK specified in the application is currently in use.
C. The CMK specified in the application is using the CMK KeyID instead of CMK Amazon Resource Name.
D. The CMK specified in the application is not enabled.
E. The CMK specified in the application is using an alias.

Answer: AD

Explanation:
https://docs.amazonIAM.cn/en_us/kms/latest/developerguide/services-parameter-store.html

NEW QUESTION 56
- (Exam Topic 1)
A Security Engineer manages IAM Organizations for a company. The Engineer would like to restrict IAM usage to allow Amazon S3 only in one of the organizational units (OUs). The Engineer adds the following SCP to the OU:

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Sid": "AllowS3",
            "Effect": "Allow",
            "Action": "s3:*",
            "Resource": "*"
        }
    ]
}
```

The next day. API calls to IAM IAM appear in IAM CloudTrail logs In an account under that OU. How should the Security Engineer resolve this issue?

A. Move the account to a new OU and deny IAM:* permissions.
B. Add a Deny policy for all non-S3 services at the account level.
C. Change the policy to:{“Version”: “2012-10-17”,“Statement”: [{“Sid”: “AllowS3”,"Effect": "Allow","Action": "s3:*","Resource": "*/*»}]}
D. Detach the default FullIAMAccess SCP

Answer: D

Explanation:
https://docs.IAM.amazon.com/organizations/latest/APIReference/API_DetachPolicy.html
Every root, OU, and account must have at least one SCP attached. If you want to replace the default FullIAMAccess policy with an SCP that limits the permissions that can be delegated, you must attach the replacement SCP before you can remove the default SCP. This is the authorization strategy of an "allow list". If you instead attach a second SCP and leave the FullIAMAccess SCP still attached, and specify "Effect": "Deny" in the second SCP to override the "Effect": "Allow" in the FullIAMAccess policy (or any other attached SCP), you're using the authorization strategy of a "deny list".

NEW QUESTION 61
- (Exam Topic 1)
A company hosts its public website on Amazon EC2 instances behind an Application Load Balancer (ALB). The instances are in an EC2 Auto Scaling group across multiple Availability Zones. The website is under a DDoS attack by a specific loT device brand that is visible in the user agent A security engineer needs to mitigate the attack without impacting the availability of the public website.
What should the security engineer do to accomplish this?

A. Configure a web ACL rule for IAM WAF to block requests with a string match condition for the user agent of the loT devic
B. Associate the v/eb ACL with the ALB.
C. Configure an Amazon CloudFront distribution to use the ALB as an origi
D. Configure a web ACL rule for IAM WAF to block requests with a string match condition for the user agent of the loT devic
E. Associate the web ACL with the ALB Change the public DNS entry of the website to point to the CloudFront distribution.
F. Configure an Amazon CloudFront distribution to use a new ALB as an origi
G. Configure a web ACL rule for IAM WAF to block requests with a string match condition for the user agent of the loT devic
H. Change the ALB security group to alow access from CloudFront IP address ranges only Change the public DNS entry of the website to point to the CloudFront distribution.
I. Activate IAM Shield Advanced to enable DDoS protectio
J. Apply an IAM WAF ACL to the AL
K. andconfigure a listener rule on the ALB to block loT devices based on the user agent.

Answer: D

NEW QUESTION 64
- (Exam Topic 1)
A company's security information events management (SIEM) tool receives new IAM CloudTrail logs from an Amazon S3 bucket that is configured to send all object created event notification to an Amazon SNS topic An Amazon SQS queue is subscribed to this SNS topic. The company's SEM tool then ports this SQS queue for new messages using an IAM role and fetches new log events from the S3 bucket based on the SQS messages.
After a recent security review that resulted m restricted permissions, the SEM tool has stopped receiving new CloudTral logs
Which of the following are possible causes of this issue? (Select THREE)

A. The SOS queue does not allow the SQS SendMessage action from the SNS topic
B. The SNS topic does not allow the SNS Publish action from Amazon S3
C. The SNS topic is not delivering raw messages to the SQS queue
D. The S3 bucket policy does not allow CloudTrail to perform the PutObject action
E. The IAM role used by the 5EM tool does not have permission to subscribe to the SNS topic
F. The IAM role used by the SEM tool does not allow the SQS DeleteMessage action.

Answer: ADF

NEW QUESTION 66
- (Exam Topic 1)
A company has decided to use encryption in its IAM account to secure the objects in Amazon S3 using server-side encryption. Object sizes range from 16.000 B to 5 MB. The requirements are as follows:
• The key material must be generated and stored in a certified Federal Information Processing Standard (FIPS) 140-2 Level 3 machine.
• The key material must be available in multiple Regions. Which option meets these requirements?

A. Use an IAM KMS customer managed key and store the key material in IAM with replication across Regions
B. Use an IAM customer managed key, import the key material into IAM KMS using in-house IAM CloudHS
C. and store the key material securely in Amazon S3.
D. Use an IAM KMS custom key store backed by IAM CloudHSM clusters, and copy backups across Regions
E. Use IAM CloudHSM to generate the key material and backup keys across Regions Use the Java Cryptography Extension (JCE) and Public Key Cryptography Standards #11 (PKCS #11) encryption libraries to encrypt and decrypt the data.

Answer: D

NEW QUESTION 69
- (Exam Topic 1)
A Security Engineer is setting up a new IAM account. The Engineer has been asked to continuously monitor the company's IAM account using automated compliance checks based on IAM best practices and Center for Internet Security (CIS) IAM Foundations Benchmarks
How can the Security Engineer accomplish this using IAM services?

A. Enable IAM Config and set it to record all resources in all Regions and global resource
B. Then enable IAM Security Hub and confirm that the CIS IAM Foundations compliance standard is enabled
C. Enable Amazon Inspector and configure it to scan all Regions for the CIS IAM Foundations Benchmark
D. Then enable IAM Security Hub and configure it to ingest theAmazon Inspector findings
E. Enable Amazon Inspector and configure it to scan all Regions for the CIS IAM Foundations Benchmark
F. Then enable IAM Shield in all Regions to protect the account from DDoS attacks.
G. Enable IAM Config and set it to record all resources in all Regions and global resources Then enable Amazon Inspector and configure it to enforce CIS IAM Foundations Benchmarks using IAM Config rules.

Answer: A

Explanation:
https://docs.IAM.amazon.com/securityhub/latest/userguide/securityhub-standards-cis-config-resources.html

NEW QUESTION 71
- (Exam Topic 1)
A company's Security Engineer has been asked to monitor and report all IAM account root user activities. Which of the following would enable the Security Engineer to monitor and report all root user activities?
(Select TWO)

A. Configuring IAM Organizations to monitor root user API calls on the paying account
B. Creating an Amazon CloudWatch Events rule that will trigger when any API call from the root user is reported
C. Configuring Amazon Inspector to scan the IAM account for any root user activity
D. Configuring IAM Trusted Advisor to send an email to the Security team when the root user logs in to the console
E. Using Amazon SNS to notify the target group

Answer: BE

NEW QUESTION 74
- (Exam Topic 2)
The Security Engineer created a new IAM Key Management Service (IAM KMS) key with the following key policy:

```
{
    "Effect": "Allow",
    "Principal": {"AWS": "arn:aws:iam::111122223333:root"),
    "Action": "kms:*";
    "Resource": "*"
}
```

What are the effects of the key policy? (Choose two.)

A. The policy allows access for the IAM account 111122223333 to manage key access though IAM policies.
B. The policy allows all IAM users in account 111122223333 to have full access to the KMS key.
C. The policy allows the root user in account 111122223333 to have full access to the KMS key.
D. The policy allows the KMS service-linked role in account 111122223333 to have full access to the KMS key.
E. The policy allows all IAM roles in account 111122223333 to have full access to the KMS key.

Answer: AC

Explanation:
Giving the IAM account full access to the CMK does this; it enables you to use IAM policies to give IAM users and roles in the account access to the CMK. It does not by itself give any IAM users or roles access to the CMK, but it enables you to use IAM policies to do so.
https://docs.IAM.amazon.com/kms/latest/developerguide/key-policies.html#key-policy-default-allow-root-enabl

NEW QUESTION 77
- (Exam Topic 2)
A company wants to control access to its IAM resources by using identities and groups that are defined in its existing Microsoft Active Directory.
What must the company create in its IAM account to map permissions for IAM services to Active Directory user attributes?

A. IAM IAM groups
B. IAM IAM users
C. IAM IAM roles
D. IAM IAM access keys

Answer: C

Explanation:
Prerequisites to establish Federation Services in IAM - You have a working AD directory and AD FS server. - You have created an identity provider (IdP) in your IAM account using your XML file from your AD FS server. Remember the name of your IdP because you will use it later in this solution. -You have created the appropriate IAM roles in your IAM account, which will be used for federated access.
https://IAM.amazon.com/blogs/security/how-to-establish-federated-access-to-your-IAM-resources-by-using-acti

NEW QUESTION 81
- (Exam Topic 2)
The Security Engineer implemented a new vault lock policy for 10TB of data and called initiate-vault-lock 12 hours ago. The Audit team identified a typo that is allowing incorrect access to the vault.
What is the MOST cost-effective way to correct this?

A. Call the abort-vault-lock operation, fix the typo, and call the initiate-vault-lock again.
B. Copy the vault data to Amazon S3, delete the vault, and create a new vault with the data.
C. Update the policy, keeping the vault lock in place.
D. Update the policy and call initiate-vault-lock again to apply the new policy.

Answer: A

Explanation:
Initiate the lock by attaching a vault lock policy to your vault, which sets the lock to an in-progress state and returns a lock ID. While in the in-progress state, you have 24 hours to validate your vault lock policy before the lock ID expires. Use the lock ID to complete the lock process. If the vault lock policy doesn't work as expected, you can abort the lock and restart from the beginning. For information on how to use the S3 Glacier API to lock a vault, see Locking a Vault by Using the Amazon S3 Glacier API. https://docs.IAM.amazon.com/amazonglacier/latest/dev/vault-lock-policy.html

NEW QUESTION 83
- (Exam Topic 2)
During a recent internal investigation, it was discovered that all API logging was disabled in a production account, and the root user had created new API keys that appear to have been used several times.
What could have been done to detect and automatically remediate the incident?

A. Using Amazon Inspector, review all of the API calls and configure the inspector agent to leverage SNS topics to notify security of the change to IAM CloudTrail, and revoke the new API keys for the root user.
B. Using IAM Config, create a config rule that detects when IAM CloudTrail is disabled, as well as any calls to the root user create-api-ke
C. Then use a Lambda function to re-enable CloudTrail logs and deactivate the root API keys.
D. Using Amazon CloudWatch, create a CloudWatch event that detects IAM CloudTrail deactivation and a separate Amazon Trusted Advisor check to automatically detect the creation of root API key
E. Then use a Lambda function to enable IAM CloudTrail and deactivate the root API keys.
F. Using Amazon CloudTrail, create a new CloudTrail event that detects the deactivation of CloudTrail logs, and a separate CloudTrail event that detects the

creation of root API key
G. Then use a Lambda function to enable CloudTrail and deactivate the root API keys.

Answer: B

Explanation:
https://docs.IAM.amazon.com/config/latest/developerguide/cloudtrail-enabled.html https://docs.IAM.amazon.com/config/latest/developerguide/iam-root-access-key-check.html

NEW QUESTION 87
- (Exam Topic 2)
You have an S3 bucket hosted in IAM. This is used to host promotional videos uploaded by yourself. You need to provide access to users for a limited duration of time. How can this be achieved?
Please select:

A. Use versioning and enable a timestamp for each version
B. Use Pre-signed URL's
C. Use IAM Roles with a timestamp to limit the access
D. Use IAM policies with a timestamp to limit the access

Answer: B

Explanation:
The IAM Documentation mentions the following
All objects by default are private. Only the object owner has permission to access these objects. However, the object owner can optionally share objects with others by creating a pre-signed URL using their own security credentials, to grant time-limited permission to download the objects.
Option A is invalid because this can be used to prevent accidental deletion of objects Option C is invalid because timestamps are not possible for Roles
Option D is invalid because policies is not the right way to limit access based on time For more information on pre-signed URL's, please visit the URL:
https://docs.IAM.ama2on.com/AmazonS3/latest/dev/ShareObiectPreSisnedURL.html
The correct answer is: Use Pre-signed URL's Submit your Feedback/Queries to our Experts

NEW QUESTION 90
- (Exam Topic 2)
The Security Engineer has discovered that a new application that deals with highly sensitive data is storing Amazon S3 objects with the following key pattern, which itself contains highly sensitive data.
Pattern: "randomID_datestamp_PII.csv" Example:
"1234567_12302017_000-00-0000 csv"
The bucket where these objects are being stored is using server-side encryption (SSE). Which solution is the most secure and cost-effective option to protect the sensitive data?

A. Remove the sensitive data from the object name, and store the sensitive data using S3 user-defined metadata.
B. Add an S3 bucket policy that denies the action s3:GetObject
C. Use a random and unique S3 object key, and create an S3 metadata index in Amazon DynamoDB using client-side encrypted attributes.
D. Store all sensitive objects in Binary Large Objects (BLOBS) in an encrypted Amazon RDS instance.

Answer: C

Explanation:
https://docs.IAM.amazon.com/AmazonS3/latest/dev/UsingMetadata.html https://IAM.amazon.com/blogs/database/best-practices-for-securing-sensitive-data-in-IAM-data-stores/

NEW QUESTION 92
- (Exam Topic 2)
For compliance reasons, an organization limits the use of resources to three specific IAM regions. It wants to be alerted when any resources are launched in unapproved regions.
Which of the following approaches will provide alerts on any resources launched in an unapproved region?

A. Develop an alerting mechanism based on processing IAM CloudTrail logs.
B. Monitor Amazon S3 Event Notifications for objects stored in buckets in unapproved regions.
C. Analyze Amazon CloudWatch Logs for activities in unapproved regions.
D. Use IAM Trusted Advisor to alert on all resources being created.

Answer: A

Explanation:
https://stackoverflow.com/questions/45449053/cloudwatch-alert-on-any-instance-creation

NEW QUESTION 97
- (Exam Topic 2)
A company plans to move most of its IT infrastructure to IAM. They want to leverage their existing on-premises Active Directory as an identity provider for IAM.
Which combination of steps should a Security Engineer take to federate the company's on-premises Active Directory with IAM? (Choose two.)

A. Create IAM roles with permissions corresponding to each Active Directory group.
B. Create IAM groups with permissions corresponding to each Active Directory group.
C. Configure Amazon Cloud Directory to support a SAML provider.
D. Configure Active Directory to add relying party trust between Active Directory and IAM.
E. Configure Amazon Cognito to add relying party trust between Active Directory and IAM.

Answer: AD

Explanation:
https://IAM.amazon.com/blogs/security/how-to-establish-federated-access-to-your-IAM-resources-by-using-acti

NEW QUESTION 101
- (Exam Topic 2)
A company's security policy requires that VPC Flow Logs are enabled on all VPCs. A Security Engineer is looking to automate the process of auditing the VPC resources for compliance.
What combination of actions should the Engineer take? (Choose two.)

A. Create an IAM Lambda function that determines whether Flow Logs are enabled for a given VPC.
B. Create an IAM Config configuration item for each VPC in the company IAM account.
C. Create an IAM Config managed rule with a resource type of IAM:: Lambda:: Function.
D. Create an Amazon CloudWatch Event rule that triggers on events emitted by IAM Config.
E. Create an IAM Config custom rule, and associate it with an IAM Lambda function that contains the evaluating logic.

Answer: AE

Explanation:
https://medium.com/mudita-misra/how-to-audit-your-aws-resources-for-security-compliance-by-using-custom-I

NEW QUESTION 104
- (Exam Topic 2)
An IAM user with fill EC2 permissions could bot start an Amazon EC2 instance after it was stopped for a maintenance task. Upon starting the instance, the instance state would change to "Pending", but after a few seconds, it would switch back to "Stopped".
An inspection revealed that the instance has attached Amazon EBS volumes that were encrypted by using a Customer Master Key (CMK). When these encrypted volumes were detached, the IAM user was able to start the EC2 instances.
The IAM user policy is as follows:

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": [
            <Action>
            ],
            "Resource": [
                "arn:aws:kms:us-east-1:012345678910:key/ebs-encryption-key"
            ]
            <CONDITION>
        }
    ]
}
```

What additional items need to be added to the IAM user policy? (Choose two.)

A. kms:GenerateDataKey
B. kms:Decrypt
C. kms:CreateGrant
D. "Condition": {"Bool": {"kms:ViaService": "ec2.us-west-2.amazonIAM.com"}}
E. "Condition": {"Bool": {"kms:GrantIsForIAMResource": true}}

Answer: CE

Explanation:
The EBS which is IAM resource service is encrypted with CMK and to allow EC2 to decrypt , the IAM user should create a grant (action) and a boolean condition for the IAM resource . This link explains how IAM keys works. https://docs.IAM.amazon.com/kms/latest/developerguide/key-policies.html

NEW QUESTION 108
- (Exam Topic 2)
A company wants to have a secure way of generating, storing and managing cryptographic exclusive access for the keys. Which of the following can be used for this purpose?
Please select:

A. Use KMS and the normal KMS encryption keys
B. Use KMS and use an external key material
C. Use S3 Server Side encryption
D. Use Cloud HSM

Answer: D

Explanation:
The IAM Documentation mentions the following
The IAM CloudHSM service helps you meet corporate, contractual and regulatory compliance requirements for data security by using dedicated Hardware Security Module (HSM) instances within the IAM cloud. IAM and IAM Marketplace partners offer a variety of solutions for protecting sensitive data within the IAM platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary. CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are desigr and validated to government standards for secure key management. CloudHSM allows you to securely generate, store and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.
Option A.B and Care invalid because in all of these cases, the management of the key will be with IAM. Here the question specifically mentions that you want to

have exclusive access over the keys. This can be achieved with Cloud HSM
For more information on CloudHSM, please visit the following URL: https://IAM.amazon.com/cloudhsm/faq:
The correct answer is: Use Cloud HSM Submit your Feedback/Queries to our Experts

NEW QUESTION 111
- (Exam Topic 2)
The Accounting department at Example Corp. has made a decision to hire a third-party firm, AnyCompany, to monitor Example Corp.'s IAM account to help optimize costs.
The Security Engineer for Example Corp. has been tasked with providing AnyCompany with access to the required Example Corp. IAM resources. The Engineer has created an IAM role and granted permission to AnyCompany's IAM account to assume this role.
When customers contact AnyCompany, they provide their role ARN for validation. The Engineer is concerned that one of AnyCompany's other customers might deduce Example Corp.'s role ARN and potentially compromise the company's account.
What steps should the Engineer perform to prevent this outcome?

A. Create an IAM user and generate a set of long-term credential
B. Provide the credentials to AnyCompany.Monitor access in IAM access advisor and plan to rotate credentials on a recurring basis.
C. Request an external ID from AnyCompany and add a condition with sts:Externald to the role's trust policy.
D. Require two-factor authentication by adding a condition to the role's trust policy with IAM:MultiFactorAuthPresent.
E. Request an IP range from AnyCompany and add a condition with IAM:SourceIp to the role's trust policy.

Answer: B

NEW QUESTION 112
- (Exam Topic 2)
A Security Administrator is performing a log analysis as a result of a suspected IAM account compromise. The Administrator wants to analyze suspicious IAM CloudTrail log files but is overwhelmed by the volume of audit logs being generated.
What approach enables the Administrator to search through the logs MOST efficiently?

A. Implement a “write-only” CloudTrail event filter to detect any modifications to the IAM account resources.
B. Configure Amazon Macie to classify and discover sensitive data in the Amazon S3 bucket that contains the CloudTrail audit logs.
C. Configure Amazon Athena to read from the CloudTrail S3 bucket and query the logs to examine account activities.
D. Enable Amazon S3 event notifications to trigger an IAM Lambda function that sends an email alarm when there are new CloudTrail API entries.

Answer: C

NEW QUESTION 116
- (Exam Topic 2)
A Security Engineer is building a Java application that is running on Amazon EC2. The application communicates with an Amazon RDS instance and authenticates with a user name and password.
Which combination of steps can the Engineer take to protect the credentials and minimize downtime when the credentials are rotated? (Choose two.)

A. Have a Database Administrator encrypt the credentials and store the ciphertext in Amazon S3. Grant permission to the instance role associated with the EC2 instance to read the object and decrypt the ciphertext.
B. Configure a scheduled job that updates the credential in IAM Systems Manager Parameter Store and notifies the Engineer that the application needs to be restarted.
C. Configure automatic rotation of credentials in IAM Secrets Manager.
D. Store the credential in an encrypted string parameter in IAM Systems Manager Parameter Stor
E. Grant permission to the instance role associated with the EC2 instance to access the parameter and the IAM KMS key that is used to encrypt it.
F. Configure the Java application to catch a connection failure and make a call to IAM Secrets Manager to retrieve updated credentials when the password is rotate
G. Grant permission to the instance role associated with the EC2 instance to access Secrets Manager.

Answer: CE

NEW QUESTION 119
- (Exam Topic 2)
A Security Engineer must add additional protection to a legacy web application by adding the following HTTP security headers:
-Content Security-Policy
-X-Frame-Options
-X-XSS-Protection
The Engineer does not have access to the source code of the legacy web application. Which of the following approaches would meet this requirement?

A. Configure an Amazon Route 53 routing policy to send all web traffic that does not include the required headers to a black hole.
B. Implement an IAM Lambda@Edge origin response function that inserts the required headers.
C. Migrate the legacy application to an Amazon S3 static website and front it with an Amazon CloudFront distribution.
D. Construct an IAM WAF rule to replace existing HTTP headers with the required security headers by using regular expressions.

Answer: B

NEW QUESTION 123
- (Exam Topic 2)
A company uses IAM Organization to manage 50 IAM accounts. The finance staff members log in as IAM IAM users in the FinanceDept IAM account. The staff members need to read the consolidated billing information in the MasterPayer IAM account. They should not be able to view any other resources in the MasterPayer IAM account. IAM access to billing has been enabled in the MasterPayer account.
Which of the following approaches grants the finance staff the permissions they require without granting any unnecessary permissions?

A. Create an IAM group for the finance users in the FinanceDept account, then attach the IAM managed ReadOnlyAccess IAM policy to the group.
B. Create an IAM group for the finance users in the MasterPayer account, then attach the IAM managed ReadOnlyAccess IAM policy to the group.

C. Create an IAM IAM role in the FinanceDept account with the ViewBilling permission, then grant the finance users in the MasterPayer account the permission to assume that role.
D. Create an IAM IAM role in the MasterPayer account with the ViewBilling permission, then grant the finance users in the FinanceDept account the permission to assume that role.

Answer: D

Explanation:
IAM Region that You Request a Certificate In (for IAM Certificate Manager) If you want to require HTTPS between viewers and CloudFront, you must change the IAM region to US East (N. Virginia) in the IAM Certificate Manager console before you request or import a certificate. If you want to require HTTPS between CloudFront and your origin, and you're using an ELB load balancer as your origin, you can request or import a certificate in any region.
https://docs.IAM.amazon.com/AmazonCloudFront/latest/DeveloperGuide/cnames-and-https-requirements.html

NEW QUESTION 125
- (Exam Topic 2)
Which of the following minimizes the potential attack surface for applications?

A. Use security groups to provide stateful firewalls for Amazon EC2 instances at the hypervisor level.
B. Use network ACLs to provide stateful firewalls at the VPC level to prevent access to any specific IAM resource.
C. Use IAM Direct Connect for secure trusted connections between EC2 instances within private subnets.
D. Design network security in a single layer within the perimeter network (also known as DMZ, demilitarized zone, and screened subnet) to facilitate quicker responses to threats.

Answer: A

Explanation:
https://IAM.amazon.com/answers/networking/vpc-security-capabilities/ Security Group is stateful and hypervisor level.

NEW QUESTION 129
- (Exam Topic 2)
You have enabled Cloudtrail logs for your company's IAM account. In addition, the IT Security department has mentioned that the logs need to be encrypted. How can this be achieved?
Please select:

A. Enable SSL certificates for the Cloudtrail logs
B. There is no need to do anything since the logs will already be encrypted
C. Enable Server side encryption for the trail
D. Enable Server side encryption for the destination S3 bucket

Answer: B

Explanation:
The IAM Documentation mentions the following.
By default CloudTrail event log files are encrypted using Amazon S3 server-side encryption (SSE). You can also choose to encryption your log files with an IAM Key Management Service (IAM KMS) key. You can store your log files in your bucket for as long as you want. You can also define Amazon S3 lifecycle rules to archive or delete log files automatically. If you want notifications about lo file delivery and validation, you can set up Amazon SNS notifications.
Option A.C and D are not valid since logs will already be encrypted
For more information on how Cloudtrail works, please visit the following URL: https://docs.IAM.amazon.com/IAMcloudtrail/latest/usereuide/how-cloudtrail-works.htmll
The correct answer is: There is no need to do anything since the logs will already be encrypted
Submit your Feedback/Queries to our Experts

NEW QUESTION 131
- (Exam Topic 2)
A corporate cloud security policy states that communications between the company's VPC and KMS must travel entirely within the IAM network and not use public service endpoints.
Which combination of the following actions MOST satisfies this requirement? (Choose two.)

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

Answer: AC

Explanation:

An IAM policy can deny access to KMS except through your VPC endpoint with the following condition statement:
"Condition": { "StringNotEquals": {
"IAM:sourceVpce": "vpce-0295a3caf8414c94a"
}
}
If you select the Enable Private DNS Name option, the standard IAM KMS DNS hostname (https://kms.<region>.amazonIAM.com) resolves to your VPC endpoint.

NEW QUESTION 135
- (Exam Topic 2)
An organization has a system in IAM that allows a large number of remote workers to submit data files. File sizes vary from a few kilobytes to several megabytes.
A recent audit highlighted a concern that data files are not encrypted while in transit over untrusted networks.

Which solution would remediate the audit finding while minimizing the effort required?

A. Upload an SSL certificate to IAM, and configure Amazon CloudFront with the passphrase for the private key.
B. Call KMS.Encrypt() in the client, passing in the data file contents, and call KMS.Decrypt() server-side.
C. Use IAM Certificate Manager to provision a certificate on an Elastic Load Balancing in front of the web service's servers.
D. Create a new VPC with an Amazon VPC VPN endpoint, and update the web service's DNS record.

Answer: C

NEW QUESTION 138
- (Exam Topic 2)
A company maintains sensitive data in an Amazon S3 bucket that must be protected using an IAM KMS
CMK. The company requires that keys be rotated automatically every year. How should the bucket be configured?

A. Select server-side encryption with Amazon S3-managed keys (SSE-S3) and select an IAM-managed CMK.
B. Select Amazon S3-IAM KMS managed encryption keys (S3-KMS) and select a customer-managed CMK with key rotation enabled.
C. Select server-side encryption with Amazon S3-managed keys (SSE-S3) and select a customer-managed CMK that has imported key material.
D. Select server-side encryption with IAM KMS-managed keys (SSE-KMS) and select an alias to an IAM-managed CMK.

Answer: B

NEW QUESTION 141
- (Exam Topic 2)
A Security Administrator has a website hosted in Amazon S3. The Administrator has been given the following requirements:
- Users may access the website by using an Amazon CloudFront distribution.
- Users may not access the website directly by using an Amazon S3 URL.
Which configurations will support these requirements? (Choose two.)

A. Associate an origin access identity with the CloudFront distribution.
B. Implement a "Principal": "cloudfront.amazonIAM.com" condition in the S3 bucket policy.
C. Modify the S3 bucket permissions so that only the origin access identity can access the bucket contents.
D. Implement security groups so that the S3 bucket can be accessed only by using the intended CloudFront distribution.
E. Configure the S3 bucket policy so that it is accessible only through VPC endpoints, and place the CloudFront distribution into the specified VPC.

Answer: AC

NEW QUESTION 143
- (Exam Topic 2)
You are hosting a web site via website hosting on an S3 bucket - http://demo.s3-website-us-east-l
.a mazonIAM.com. You have some web pages that use Javascript that access resources in another bucket which has web site hosting also enabled. But when users access the web pages , they are getting a blocked Javascript error. How can you rectify this?
Please select:

A. Enable CORS for the bucket
B. Enable versioning for the bucket
C. Enable MFA for the bucket
D. Enable CRR for the bucket

Answer: A

Explanation:
Your answer is incorrect Answer-A
Such a scenario is also given in the IAM Documentation Cross-Origin Resource Sharing: Use-case Scenarios The following are example scenarios for using
CORS:
• Scenario 1: Suppose that you are hosting a website in an Amazon S3 bucket named website as described in Hosting a Static Website on Amazon S3. Your users load the website endpoint http://website.s3-website-us-east-1.a mazonIAM.com. Now you want to use JavaScript on the webpages that are stored in this bucket to be able to make authenticated GET and PUT requests against the same bucket by using the Amazon S3 API endpoint for the bucket website.s3.amazonIAM.com. A browser would normally block JavaScript from allowing those requests, but with CORS you can configure your bucket to explicitly enable cross-origin requests from website.s3-website-us-east-1 .amazonIAM.com.
• Scenario 2: Suppose that you want to host a web font from your S3 bucket. Again, browsers require a CORS check (also called a preflight check) for loading web fonts. You would configure the bucket that is hosting the web font to allow any origin to make these requests.
Option Bis invalid because versioning is only to create multiple versions of an object and can help in accidental deletion of objects
Option C is invalid because this is used as an extra measure of caution for deletion of objects Option D is invalid because this is used for Cross region replication of objects
For more information on Cross Origin Resource sharing, please visit the following URL
• ittps://docs.IAM.amazon.com/AmazonS3/latest/dev/cors.html The correct answer is: Enable CORS for the bucket
Submit your Feedback/Queries to our Experts

NEW QUESTION 148
- (Exam Topic 2)
A Security Architect is evaluating managed solutions for storage of encryption keys. The requirements are:
-Storage is accessible by using only VPCs.
-Service has tamper-evident controls.
-Access logging is enabled.
-Storage has high availability.
Which of the following services meets these requirements?

A. Amazon S3 with default encryption

B. IAM CloudHSM
C. Amazon DynamoDB with server-side encryption
D. IAM Systems Manager Parameter Store

Answer: B

NEW QUESTION 151
- (Exam Topic 2)
A company has five IAM accounts and wants to use IAM CloudTrail to log API calls. The log files must be stored in an Amazon S3 bucket that resides in a new account specifically built for centralized services with a unique top-level prefix for each trail. The configuration must also enable detection of any modification to the logs.
Which of the following steps will implement these requirements? (Choose three.)

A. Create a new S3 bucket in a separate IAM account for centralized storage of CloudTrail logs, and enable “Log File Validation” on all trails.
B. Use an existing S3 bucket in one of the accounts, apply a bucket policy to the new centralized S3 bucket that permits the CloudTrail service to use the "s3: PutObject" action and the "s3 GetBucketACL" action, and specify the appropriate resource ARNs for the CloudTrail trails.
C. Apply a bucket policy to the new centralized S3 bucket that permits the CloudTrail service to use the "s3 PutObject" action and the "s3 GelBucketACL" action, and specify the appropriate resource ARNs for the CloudTrail trails.
D. Use unique log file prefixes for trails in each IAM account.
E. Configure CloudTrail in the centralized account to log all accounts to the new centralized S3 bucket.
F. Enable encryption of the log files by using IAM Key Management Service

Answer: ACE

Explanation:
https://docs.IAM.amazon.com/IAMcloudtrail/latest/userguide/best-practices-security.html
If you have created an organization in IAM Organizations, you can create a trail that will log all events for all IAM accounts in that organization. This is sometimes referred to as an organization trail. You can also choose to edit an existing trail in the master account and apply it to an organization, making it an organization trail. Organization trails log events for the master account and all member accounts in the organization. For more information about IAM Organizations, see Organizations Terminology and Concepts. Note Reference: https://docs.IAM.amazon.com/IAMcloudtrail/latest/userguide/creating-trail-organization.html You must be logged in with the master account for the organization in order to create an organization trail. You must also have sufficient permissions for the IAM user or role in the master account in order to successfully create an organization trail. If you do not have sufficient permissions, you will not see the option to apply a trail to an organization.

NEW QUESTION 153
- (Exam Topic 2)
A company runs an application on IAM that needs to be accessed only by employees. Most employees work from the office, but others work remotely or travel. How can the Security Engineer protect this workload so that only employees can access it?

A. Add each employee’s home IP address to the security group for the application so that only those users can access the workload.
B. Create a virtual gateway for VPN connectivity for each employee, and restrict access to the workload from within the VPC.
C. Use a VPN appliance from the IAM Marketplace for users to connect to, and restrict workload access to traffic from that appliance.
D. Route all traffic to the workload through IAM WA
E. Add each employee’s home IP address into an IAM WAF rule, and block all other traffic.

Answer: C

Explanation:
https://docs.IAM.amazon.com/vpn/latest/clientvpn-admin/what-is.html

NEW QUESTION 157
- (Exam Topic 2)
Your company has defined a number of EC2 Instances over a period of 6 months. They want to know if any of the security groups allow unrestricted access to a resource. What is the best option to accomplish this requirement?
Please select:

A. Use IAM Inspector to inspect all the security Groups
B. Use the IAM Trusted Advisor to see which security groups have compromised access.
C. Use IAM Config to see which security groups have compromised access.
D. Use the IAM CLI to query the security groups and then filter for the rules which have unrestricted accessd

Answer: B

Explanation:
The IAM Trusted Advisor can check security groups for rules that allow unrestricted access to a resource. Unrestricted access increases opportunities for malicious activity (hacking, denial-of-service attacks, loss of data).
If you go to IAM Trusted Advisor, you can see the details C:\Users\wk\Desktop\mudassar\Untitled.jpg

Option A is invalid because IAM Inspector is used to detect security vulnerabilities in instances and not for security groups.
Option C is invalid because this can be used to detect changes in security groups but not show you security groups that have compromised access.
Option Dis partially valid but would just be a maintenance overhead
For more information on the IAM Trusted Advisor, please visit the below URL: https://IAM.amazon.com/premiumsupport/trustedadvisor/best-practices;
The correct answer is: Use the IAM Trusted Advisor to see which security groups have compromised access. Submit your Feedback/Queries to our Experts

NEW QUESTION 161
- (Exam Topic 2)
An organization is moving non-business-critical applications to IAM while maintaining a mission-critical application in an on-premises data center. An on-premises application must share limited confidential information with the applications in IAM. The internet performance is unpredictable.
Which configuration will ensure continued connectivity between sites MOST securely?

A. VPN and a cached storage gateway
B. IAM Snowball Edge
C. VPN Gateway over IAM Direct Connect
D. IAM Direct Connect

Answer: C

Explanation:
https://docs.IAM.amazon.com/whitepapers/latest/IAM-vpc-connectivity-options/IAM-direct-connect-plus-vpn-n

NEW QUESTION 163
- (Exam Topic 2)
When you enable automatic key rotation for an existing CMK key where the backing key is managed by IAM, after how long is the key rotated?
Please select:

A. After 30 days
B. After 128 days
C. After 365 days
D. After 3 years

Answer: D

Explanation:
The IAM Documentation states the following
• IAM managed CM Ks: You cannot manage key rotation for IAM managed CMKs. IAM KMS automatically rotates IAM managed keys every three years (1095 days).
Note: IAM-managed CMKs are rotated every 3yrs, Customer-Managed CMKs are rotated every 365-days from when rotation is enabled.
Option A, B, C are invalid because the dettings for automatic key rotation is not changeable. For more information on key rotation please visit the below URL
https://docs.IAM.amazon.com/kms/latest/developereuide/rotate-keys.html
IAM managed CMKs are CMKs in your account that are created, managed, and used on your behalf by an IAM service that is integrated with IAM KMS. This CMK is unique to your IAM account and region. Only the service that created the IAM managed CMK can use it
You can login to you IAM dashbaord . Click on "Encryption Keys"
You will find the list based on the services you are using as follows:
• IAM/elasticfilesystem 1 IAM/lightsail
• IAM/s3
• IAM/rds and many more Detailed Guide: KMS
You can recognize IAM managed CMKs because their aliases have the format IAM/service-name, such as IAM/redshift. Typically, a service creates its IAM managed CMK in your account when you set up the service or the first time you use the CMfC
The IAM services that integrate with IAM KMS can use it in many different ways. Some services create IAM managed CMKs in your account. Other services require that you specify a customer managed CMK that you have created. And, others support both types of CMKs to allow you the ease of an IAM managed CMK or the control of a customer-managed CMK
Rotation period for CMKs is as follows:
• IAM managed CMKs: 1095 days
• Customer managed CMKs: 365 days
Since question mentions about "CMK where backing keys is managed by IAM", its Amazon(IAM) managed and its rotation period turns out to be 1095 days{every 3 years)
For more details, please check below IAM Docs: https://docs.IAM.amazon.com/kms/latest/developerguide/concepts.html The correct answer is: After 3 years
Submit your Feedback/Queries to our Experts

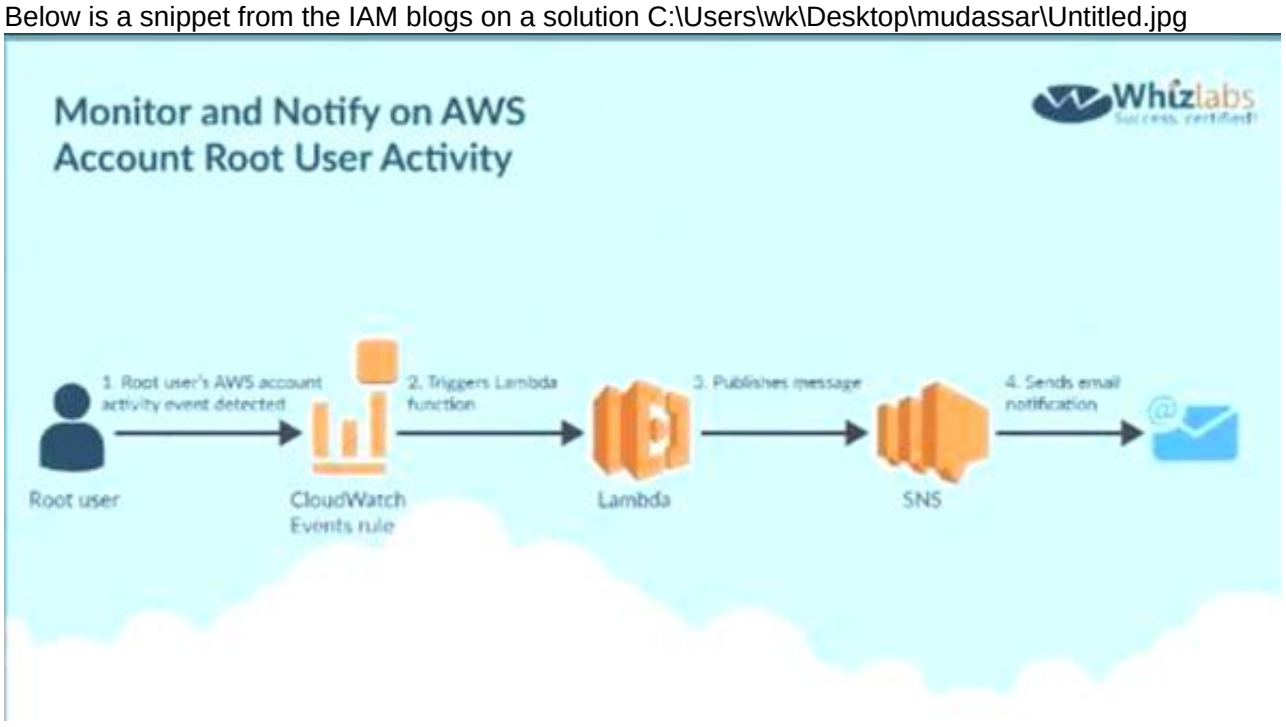
NEW QUESTION 166
- (Exam Topic 2)
Your company has a requirement to monitor all root user activity by notification. How can this best be achieved? Choose 2 answers from the options given below. Each answer forms part of the solution

Please select:

A. Create a Cloudwatch Events Rule s
B. Create a Cloudwatch Logs Rule
C. Use a Lambda function
D. Use Cloudtrail API call

Answer: AC

Explanation:
Below is a snippet from the IAM blogs on a solution C:\Users\wk\Desktop\mudassar\Untitled.jpg



Option B is invalid because you need to create a Cloudwatch Events Rule and there is such thing as a
Cloudwatch Logs Rule Option D is invalid because Cloud Trail API calls can be recorded but cannot be used to send across notifications For more information on this blog article, please visit the following URL:
https://IAM.amazon.com/blogs/mt/monitor-and-notify-on-IAM-account-root-user-activityy The correct answers are: Create a Cloudwatch Events Rule, Use a Lambda function
Submit your Feedback/Queries to our Experts

NEW QUESTION 170
- (Exam Topic 2)
You have just recently set up a web and database tier in a VPC and hosted the application. When testing the app , you are not able to reach the home page for the app. You have verified the security groups. What can help you diagnose the issue.
Please select:

A. Use the IAM Trusted Advisor to see what can be done.
B. Use VPC Flow logs to diagnose the traffic
C. Use IAM WAF to analyze the traffic
D. Use IAM Guard Duty to analyze the traffic

Answer: B

Explanation:
Option A is invalid because this can be used to check for security issues in your account, but not verify as to why you cannot reach the home page for your application
Option C is invalid because this used to protect your app against application layer attacks, but not verify as to why you cannot reach the home page for your application
Option D is invalid because this used to protect your instance against attacks, but not verify as to why you cannot reach the home page for your application
The IAM Documentation mentions the following
VPC Flow Logs capture network flow information for a VPC, subnet or network interface and stores it in Amazon CloudWatch Logs. Flow log data can help customers troubleshoot network issues; for example, to diagnose why specific traffic is not reaching an instance, which might be a result of overly restrictive security group rules. Customers can also use flow logs as a security toi to monitor the traffic that reaches their instances, to profile network traffic, and to look for abnormal traffic behaviors.
For more information on IAM Security, please visit the following URL: https://IAM.amazon.com/answers/networking/vpc-security-capabilities>
The correct answer is: Use VPC Flow logs to diagnose the traffic Submit your Feedback/Queries to our Experts

NEW QUESTION 174
- (Exam Topic 2)
A company hosts a critical web application on the IAM Cloud. This is a key revenue generating application for the company. The IT Security team is worried about potential DDos attacks against the web site. The senior management has also specified that immediate action needs to be taken in case of a potential DDos attack. What should be done in this regard?
Please select:

A. Consider using the IAM Shield Service
B. Consider using VPC Flow logs to monitor traffic for DDos attack and quickly take actions on a trigger of a potential attack.
C. Consider using the IAM Shield Advanced Service
D. Consider using Cloudwatch logs to monitor traffic for DDos attack and quickly take actions on a trigger of a potential attack.

Answer: C

Explanation:
Option A is invalid because the normal IAM Shield Service will not help in immediate action against a DDos attack. This can be done via the IAM Shield Advanced

Service
Option B is invalid because this is a logging service for VPCs traffic flow but cannot specifically protect against DDos attacks.
Option D is invalid because this is a logging service for IAM Services but cannot specifically protect against DDos attacks.
The IAM Documentation mentions the following
IAM Shield Advanced provides enhanced protections for your applications running on Amazon EC2. Elastic Load Balancing (ELB), Amazon CloudFront and Route 53 against larger and more sophisticated attacks. IAM Shield Advanced is available to IAM Business Support and IAM Enterprise Support customers. IAM Shield Advanced protection provides always-on, flow-based monitoring of network traffic and active application monitoring to provide near real-time notifications of DDoS attacks. IAM Shield Advanced also gives customers highly flexible controls over attack mitigations to take actions instantly. Customers can also engage the DDoS Response Team (DRT) 24X7 to manage and mitigate their application layer DDoS attacks.
For more information on IAM Shield, please visit the below URL: https://IAM.amazon.com/shield/faqs;
The correct answer is: Consider using the IAM Shield Advanced Service Submit your Feedback/Queries to our Experts

NEW QUESTION 176
- (Exam Topic 2)
Which approach will generate automated security alerts should too many unauthorized IAM API requests be identified?

A. Create an Amazon CloudWatch metric filter that looks for API call error codes and then implement an alarm based on that metric's rate.
B. Configure IAM CloudTrail to stream event data to Amazon Kinesi
C. Configure an IAM Lambda function on the stream to alarm when the threshold has been exceeded.
D. Run an Amazon Athena SQL query against CloudTrail log file
E. Use Amazon QuickSight to create an operational dashboard.
F. Use the Amazon Personal Health Dashboard to monitor the account's use of IAM services, and raise an alert if service error rates increase.

Answer: A

Explanation:
https://docs.IAM.amazon.com/IAMcloudtrail/latest/userguide/cloudwatch-alarms-for-cloudtrail.html#cloudwatc Open the CloudWatch console at https://console.IAM.amazon.com/cloudwatch/. In the navigation pane,
choose Logs. In the list of log groups, select the check box next to the log group that you created for CloudTrail log events. Choose Create Metric Filter. On the Define Logs Metric Filter screen, choose Filter Pattern and then type the following: { ($.errorCode = "*UnauthorizedOperation") || ($.errorCode = "AccessDenied*") } Choose Assign Metric. For Filter Name, type AuthorizationFailures. For Metric Namespace, type CloudTrailMetrics. For Metric Name, type AuthorizationFailureCount.

NEW QUESTION 179
- (Exam Topic 2)
A company is hosting a website that must be accessible to users for HTTPS traffic. Also port 22 should be open for administrative purposes. The administrator's workstation has a static IP address of 203.0.113.1/32. Which of the following security group configurations are the MOST secure but still functional to support these requirements? Choose 2 answers from the options given below
Please select:

A. Port 443 coming from 0.0.0.0/0
B. Port 443 coming from 10.0.0.0/16
C. Port 22 coming from 0.0.0.0/0
D. Port 22 coming from 203.0.113.1/32

Answer: AD

Explanation:
Since HTTPS traffic is required for all users on the Internet, Port 443 should be open on all IP addresses. For port 22, the traffic should be restricted to an internal subnet.
Option B is invalid, because this only allow traffic from a particular CIDR block and not from the internet Option C is invalid because allowing port 22 from the internet is a security risk
For more information on IAM Security Groups, please visit the following UR
https://docs.IAM.amazon.com/IAMEC2/latest/UserGuide/usins-network-secunty.htmll
The correct answers are: Port 443 coming from 0.0.0.0/0, Port 22 coming from 203.0.113.1 /32 Submit your Feedback/Queries to our Experts

NEW QUESTION 181
- (Exam Topic 3)
A company is planning to run a number of Admin related scripts using the IAM Lambda service. There is a need to understand if there are any errors encountered when the script run. How can this be accomplished in the most effective manner.
Please select:

A. Use Cloudwatch metrics and logs to watch for errors
B. Use Cloudtrail to monitor for errors
C. Use the IAM Config service to monitor for errors
D. Use the IAM inspector service to monitor for errors

Answer: A

Explanation:
The IAM Documentation mentions the following
IAM Lambda automatically monitors Lambda functions on your behalf, reporting metrics through Amazon CloudWatch. To help you troubleshoot failures in a function. Lambda logs all requests handled by your function and also automatically stores logs generated by your code through Amazon CloudWatch Logs.
Option B,C and D are all invalid because these services cannot be used to monitor for errors. I For more information on Monitoring Lambda functions, please visit the following URL: https://docs.IAM.amazon.com/lambda/latest/dg/monitorine-functions-loes.htmll
The correct answer is: Use Cloudwatch metrics and logs to watch for errors Submit your Feedback/Queries to our Experts

NEW QUESTION 186
- (Exam Topic 3)

An auditor needs access to logs that record all API events on IAM. The auditor only needs read-only access to the log files and does not need access to each IAM account. The company has multiple IAM accounts, and the auditor needs access to all the logs for all the accounts. What is the best way to configure access for the auditor to view event logs from all accounts? Choose the correct answer from the options below
Please select:

A. Configure the CloudTrail service in each IAM account, and have the logs delivered to an IAM bucket on each account, while granting the auditor permissions to the bucket via roles in the secondary accounts and a single primary IAM account that can assume a read-only role in the secondary IAM accounts.
B. Configure the CloudTrail service in the primary IAM account and configure consolidated billing for all the secondary account
C. Then grant the auditor access to the S3 bucket that receives the CloudTrail log files.
D. Configure the CloudTrail service in each IAM account and enable consolidated logging inside of CloudTrail.
E. Configure the CloudTrail service in each IAM account and have the logs delivered to a single IAM bucket in the primary account and erant the auditor access to that single bucket in the orimarv account.

Answer: D

Explanation:
Given the current requirements, assume the method of "least privilege" security design and only allow the auditor access to the minimum amount of IAM resources as possibli
IAM CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your IAM account. With CloudTrail, you can log, continuously monitor, and retain events related to API calls across your IAM infrastructure. CloudTrail provides a history of IAM API calls for your account including API calls made through the IAM Management Console, IAM SDKs, command line tools, and other IAM services. This history simplifies security analysis, resource change tracking, and troubleshooting
only be granted access in one location
Option Option A is incorrect since the auditor should B is incorrect since consolidated billing is not a key
requirement as part of the question
Option C is incorrect since there is not consolidated logging
For more information on Cloudtrail please refer to the below URL: https://IAM.amazon.com/cloudtraiL
(
The correct answer is: Configure the CloudTrail service in each IAM account and have the logs delivered to a single IAM bud in the primary account and grant the auditor access to that single bucket in the primary account.
Submit your Feedback/Queries to our Experts

NEW QUESTION 188
- (Exam Topic 3)
Your company has a set of EC2 Instances defined in IAM. They need to ensure that all traffic packets are monitored and inspected for any security threats. How can this be achieved? Choose 2 answers from the options given below
Please select:

A. Use a host based intrusion detection system
B. Use a third party firewall installed on a central EC2 instance
C. Use VPC Flow logs
D. Use Network Access control lists logging

Answer: AB

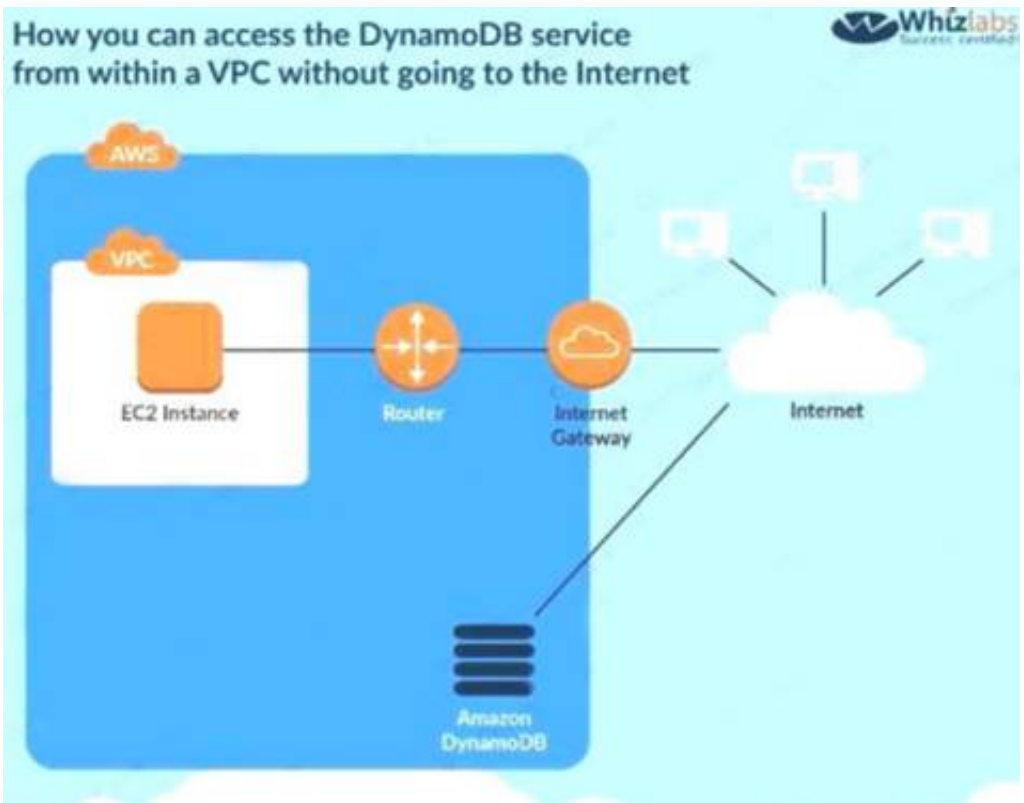
Explanation:
If you want to inspect the packets themselves, then you need to use custom based software A diagram representation of this is given in the IAM Security best practices
Option C is invalid because VPC Flow logs cannot conduct packet inspection. For more information on IAM Security best practices, please refer to below URL:
The correct answers are: Use a host based intrusion detection system. Use a third party firewall installed on a central EC2
Submit your Feedback/Queries to our Experts

NEW QUESTION 192
- (Exam Topic 3)
There is a set of Ec2 Instances in a private subnet. The application hosted on these EC2 Instances need to access a DynamoDB table. It needs to be ensured that traffic does not flow out to the internet. How can this be achieved?
Please select:

A. Use a VPC endpoint to the DynamoDB table
B. Use a VPN connection from the VPC
C. Use a VPC gateway from the VPC
D. Use a VPC Peering connection to the DynamoDB table

Answer: A

Explanation:
The following diagram from the IAM Documentation shows how you can access the DynamoDB service from within a V without going to the Internet This can be done with the help of a VPC endpoint
C:\Users\wk\Desktop\mudassar\Untitled.jpg



Option B is invalid because this is used for connection between an on-premise solution and IAM Option C is invalid because there is no such option
Option D is invalid because this is used to connect 2 VPCs
For more information on VPC endpointsfor DynamoDB, please visit the URL:
The correct answer is: Use a VPC endpoint to the DynamoDB table Submit your Feedback/Queries to our Experts

NEW QUESTION 197
- (Exam Topic 3)
You need to have a requirement to store objects in an S3 bucket with a key that is automatically managed and rotated. Which of the following can be used for this purpose?
Please select:

A. IAM KMS
B. IAM S3 Server side encryption
C. IAM Customer Keys
D. IAM Cloud HSM

Answer: B

Explanation:
The IAM Documentation mentions the following
Server-side encryption protects data at rest. Server-side encryption with Amazon S3-managed encryption keys (SSE-S3) uses strong multi-factor encryption. Amazon S3 encrypts each object with a unique key. As an additional safeguard, it encrypts the key itself with a master key that it rotates regularly. Amazon S3 server-side encryption uses one of the strongest block ciphers available, 256-bit Advanced Encryption
Standard (AES-256), to encrypt your data.
All other options are invalid since here you need to ensure the keys are manually rotated since you manage the entire key set Using IAM S3 Server side encryption, IAM will manage the rotation of keys automatically.
For more information on Server side encryption, please visit the following URL:
https://docs.IAM.amazon.com/AmazonS3/latest/dev/UsineServerSideEncryption.htmll
The correct answer is: IAM S3 Server side encryption Submit your Feedback/Queries to our Experts

NEW QUESTION 198
- (Exam Topic 3)
You have a set of Keys defined using the IAM KMS service. You want to stop using a couple of keys , but are not sure of which services are currently using the keys. Which of the following would be a safe option to stop using the keys from further usage.
Please select:

A. Delete the keys since anyway there is a 7 day waiting period before deletion
B. Disable the keys
C. Set an alias for the key
D. Change the key material for the key

Answer: B

Explanation:
Option A is invalid because once you schedule the deletion and waiting period ends, you cannot come back from the deletion process.
Option C and D are invalid because these will not check to see if the keys are being used or not The IAM Documentation mentions the following
Deleting a customer master key (CMK) in IAM Key Management Service (IAM KMS) is destructive and potentially dangerous. It deletes the key material and all metadata associated with the CMK, and is irreversible. After a CMK is deleted you can no longer decrypt the data that was encrypted under that CMK, which means that data becomes unrecoverable. You should delete a CMK only when you are sure that you don't need to use it anymore. If you are not sure, consider disabling the CMK instead of deleting it. You can re-enable a disabled CMK if you need to use it again later, but you cannot recover a deleted CMK.
For more information on deleting keys from KMS, please visit the below URL: https://docs.IAM.amazon.com/kms/latest/developereuide/deleting-keys.html
The correct answer is: Disable the keys Submit your Feedback/Queries to our Experts

NEW QUESTION 202
- (Exam Topic 3)
Your company is planning on developing an application in IAM. This is a web based application. The application users will use their facebook or google identities

for authentication. You want to have the ability to manage user profiles without having to add extra coding to manage this. Which of the below would assist in this. Please select:

A. Create an OIDC identity provider in IAM
B. Create a SAML provider in IAM
C. Use IAM Cognito to manage the user profiles
D. Use IAM users to manage the user profiles

Answer: B

Explanation:
The IAM Documentation mentions the following The IAM Documentation mentions the following
OIDC identity providers are entities in IAM that describe an identity provider (IdP) service that supports the OpenID Connect (OIDC) standard. You use an OIDC identity provider when you want to establish trust between an OIDC-compatible IdP—such as Google, Salesforce, and many others—and your IAM account This is useful if you are creating a mobile app or web application that requires access to IAM resources, but you don't want to create custom sign-in code or manage your own user identities
Option A is invalid because in the security groups you would not mention this information/ Option C is invalid because SAML is used for federated authentication
Option D is invalid because you need to use the OIDC identity provider in IAM For more information on ODIC identity providers, please refer to the below Link:
https://docs.IAM.amazon.com/IAM/latest/UserGuide/id roles providers create oidc.htmll The correct answer is: Create an OIDC identity provider in IAM

NEW QUESTION 204
- (Exam Topic 3)
A company has an existing IAM account and a set of critical resources hosted in that account. The employee who was in-charge of the root account has left the company. What must be now done to secure the account. Choose 3 answers from the options given below.
Please select:

A. Change the access keys for all IAM users.
B. Delete all custom created IAM policies
C. Delete the access keys for the root account
D. Confirm MFAtoa secure device
E. Change the password for the root account
F. Change the password for all IAM users

Answer: CDE

Explanation:
Now if the root account has a chance to be compromised, then you have to carry out the below steps
* 1. Delete the access keys for the root account
* 2. Confirm MFA to a secure device
* 3. Change the password for the root account
This will ensure the employee who has left has no change to compromise the resources in IAM. Option A is invalid because this would hamper the working of the current IAM users
Option B is invalid because this could hamper the current working of services in your IAM account Option F is invalid because this would hamper the working of the current IAM users
For more information on IAM root user, please visit the following URL: https://docs.IAM.amazon.com/IAM/latest/UserGuide/id root-user.html
The correct answers are: Delete the access keys for the root account Confirm MFA to a secure device. Change the password for the root account
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NEW QUESTION 207
- (Exam Topic 3)
A company has been using the IAM KMS service for managing its keys. They are planning on carrying out housekeeping activities and deleting keys which are no longer in use. What are the ways that can be incorporated to see which keys are in use? Choose 2 answers from the options given below
Please select:

A. Determine the age of the master key
B. See who is assigned permissions to the master key
C. See Cloudtrail for usage of the key
D. Use IAM cloudwatch events for events generated for the key

Answer: BC

Explanation:
The direct ways that can be used to see how the key is being used is to see the current access permissions and cloudtrail logs
Option A is invalid because seeing how long ago the key was created would not determine the usage of the key
Option D is invalid because Cloudtrail Event is better for seeing for events generated by the key This is also mentioned in the IAM Documentation
Examining CMK Permissions to Determine the Scope of Potential Usage
Determining who or what currently has access to a customer master key (CMK) might help you determine how widely the CM was used and whether it is still needed. To learn how to determine who or what currently has access to a CMK, go to Determining Access to an IAM KMS Customer Master Key.
Examining IAM CloudTrail Logs to Determine Actual Usage
IAM KMS is integrated with IAM CloudTrail, so all IAM KMS API activity is recorded in CloudTrail log files. If you have CloudTrail turned on in the region where your customer master key (CMK) is located, you can examine your CloudTrail log files to view a history of all IAM KMS API activity for a particular CMK, and thus its usage history. You might be able to use a CMK's usage history to help you determine whether or not you still need it
For more information on determining the usage of CMK keys, please visit the following URL:
https://docs.IAM.amazon.com/kms/latest/developerguide/deleting-keys-determining-usage.html
The correct answers are: See who is assigned permissions to the master key. See Cloudtrail for usage of the key Submit your Feedback/Queries to our Experts

NEW QUESTION 212
- (Exam Topic 3)
Your company has confidential documents stored in the simple storage service. Due to compliance requirements, you have to ensure that the data in the S3

bucket is available in a different geographical location.
As an architect what is the change you would make to comply with this requirement. Please select:

A. Apply Multi-AZ for the underlying 53 bucket
B. Copy the data to an EBS Volume in another Region
C. Create a snapshot of the S3 bucket and copy it to another region
D. Enable Cross region replication for the S3 bucket

Answer: D

Explanation:
This is mentioned clearly as a use case for S3 cross-region replication
You might configure cross-region replication on a bucket for various reasons, including the following:
• Compliance requirements - Although, by default Amazon S3 stores your data across multiple geographically distant Availability Zones, compliance requirements might dictate that you store data at even further distances. Cross-region replication allows you to replicate data between distant IAM Regions to satisfy these compliance requirements.
Option A is invalid because Multi-AZ cannot be used to S3 buckets
Option B is invalid because copying it to an EBS volume is not a recommended practice Option C is invalid because creating snapshots is not possible in S3
For more information on S3 cross-region replication, please visit the following URL: https://docs.IAM.amazon.com/AmazonS3/latest/dev/crr.htmll
The correct answer is: Enable Cross region replication for the S3 bucket Submit your Feedback/Queries to our Experts

NEW QUESTION 217
- (Exam Topic 3)
Your current setup in IAM consists of the following architecture. 2 public subnets, one subnet which has the web servers accessed by users across the internet and the other subnet for the database server. Which of the following changes to the architecture would add a better security boundary to the resources hosted in your setup
Please select:

A. Consider moving the web server to a private subnet
B. Consider moving the database server to a private subnet
C. Consider moving both the web and database server to a private subnet
D. Consider creating a private subnet and adding a NAT instance to that subnet

Answer: B

Explanation:
The ideal setup is to ensure that the web server is hosted in the public subnet so that it can be accessed by users on the internet. The database server can be hosted in the private subnet.
The below diagram from the IAM Documentation shows how this can be setup
Option A and C are invalid because if you move the web server to a private subnet, then it cannot be accessed by users Option D is invalid because NAT instances should be present in the public subnet
For more information on public and private subnets in IAM, please visit the following url com/AmazonVPC/latest/UserGuide/VPC Scenario2.
The correct answer is: Consider moving the database server to a private subnet Submit your Feedback/Queries to our Experts

NEW QUESTION 220
- (Exam Topic 3)
You are building a large-scale confidential documentation web server on IAMand all of the documentation for it will be stored on S3. One of the requirements is that it cannot be publicly accessible from S3 directly, and you will need to use Cloud Front to accomplish this. Which of the methods listed below would satisfy the requirements as outlined? Choose an answer from the options below
Please select:

A. Create an Identity and Access Management (IAM) user for CloudFront and grant access to the objects in your S3 bucket to that IAM User.
B. Create an Origin Access Identity (OAI) for CloudFront and grant access to the objects in your S3 bucket to that OAI.
C. Create individual policies for each bucket the documents are stored in and in that policy grant access to only CloudFront.
D. Create an S3 bucket policy that lists the CloudFront distribution ID as the Principal and the target bucket as the Amazon Resource Name (ARN).

Answer: B

Explanation:
If you want to use CloudFront signed URLs or signed cookies to provide access to objects in your Amazon S3 bucket you probably also want to prevent users from accessing your Amazon S3 objects using Amazon S3 URLs. If users access your objects directly in Amazon S3, they bypass the controls provided by CloudFront signed URLs or signed cookies, for example, control over the date and time that a user can no longer access your content and control over which IP addresses can be used to access content. In addition, if user's access objects both through CloudFront and directly by using Amazon S3 URLs, CloudFront ace logs are less useful because they're incomplete.
Option A is invalid because you need to create a Origin Access Identity for Cloudfront and not an IAM user
Option C and D are invalid because using policies will not help fulfil the requirement For more information on Origin Access Identity please see the below Link:
http://docs.IAM.amazon.com/AmazonCloudFront/latest/DeveloperGuide/private-content-restrictine-access-to-s3
The correct answer is: Create an Origin Access Identity (OAI) for CloudFront and grant access to the objects in your S3 bucket to that OAI.
(
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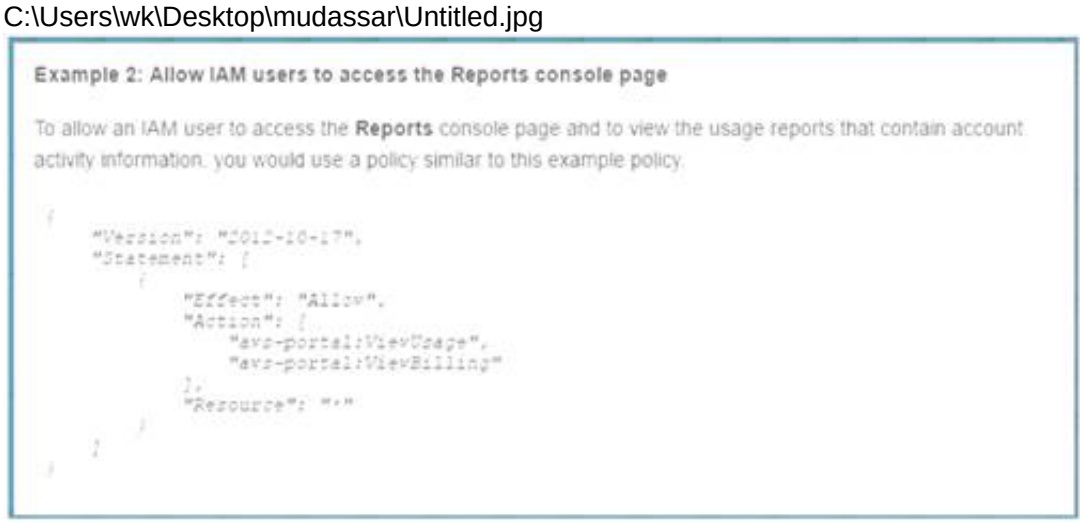
NEW QUESTION 225
- (Exam Topic 3)
The CFO of a company wants to allow one of his employees to view only the IAM usage report page. Which of the below mentioned IAM policy statements allows the user to have access to the IAM usage report page?
Please select:

A. "Effect": "Allow". "Action": ["Describe"], "Resource": "Billing"
B. "Effect": "Allow", "Action": ["AccountUsage], "Resource": "*"
C. "Effect': "Allow", "Action": ["IAM-portal:ViewUsage"," IAM-portal:ViewBilling"], "Resource": "*"

D. "Effect": "Allow", "Action": ["IAM-portal: ViewBilling"], "Resource": "*"

Answer: C

Explanation:
the IAM documentation, below is the access required for a user to access the Usage reports page and as per this, Option C is the right answer.
C:\Users\wk\Desktop\mudassar\Untitled.jpg



NEW QUESTION 229
- (Exam Topic 3)
A windows machine in one VPC needs to join the AD domain in another VPC. VPC Peering has been established. But the domain join is not working. What is the other step that needs to be followed to ensure that the AD domain join can work as intended
Please select:

A. Change the VPC peering connection to a VPN connection
B. Change the VPC peering connection to a Direct Connect connection
C. Ensure the security groups for the AD hosted subnet has the right rule for relevant subnets
D. Ensure that the AD is placed in a public subnet

Answer: C

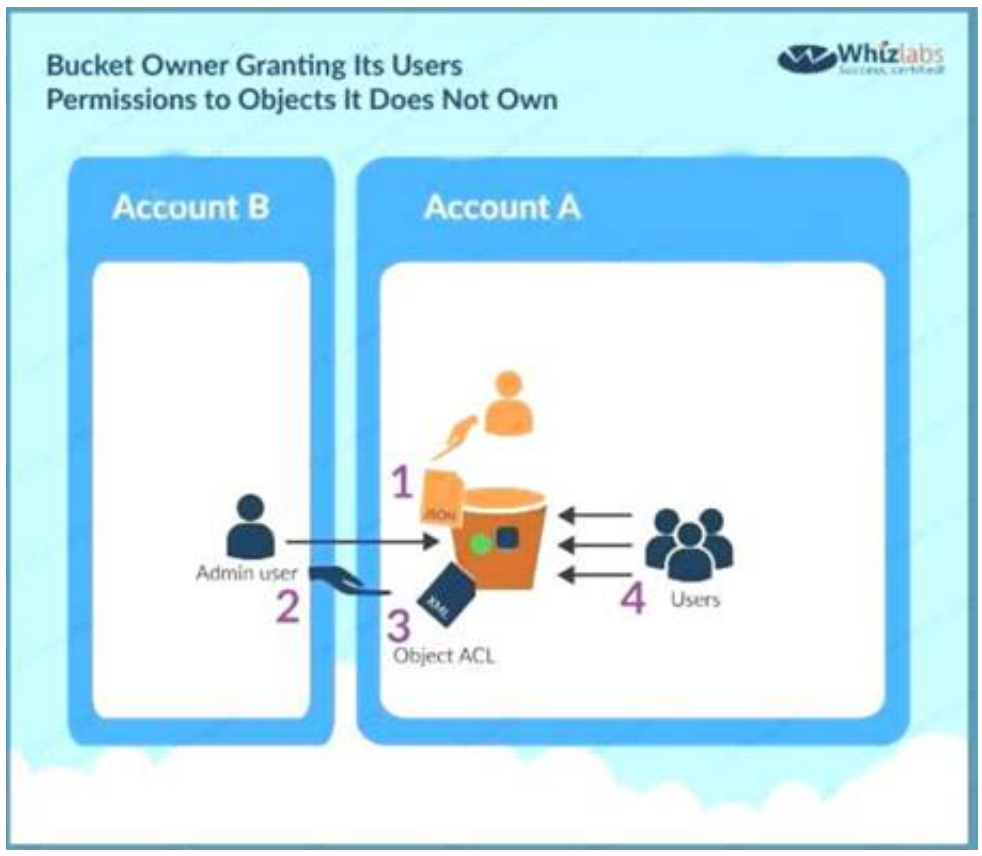
Explanation:
In addition to VPC peering and setting the right route tables, the security groups for the AD EC2 instance needs to ensure the right rules are put in place for allowing incoming traffic.
Option A and B is invalid because changing the connection type will not help. This is a problem with the Security Groups.
Option D is invalid since the AD should not be placed in a public subnet
For more information on allowing ingress traffic for AD, please visit the following url
|https://docs.IAM.amazon.com/quickstart/latest/active-directory-ds/ingress.html|
The correct answer is: Ensure the security groups for the AD hosted subnet has the right rule for relevant subnets Submit your Feedback/Queries to our Experts

NEW QUESTION 234
- (Exam Topic 3)
A company has external vendors that must deliver files to the company. These vendors have cross-account that gives them permission to upload objects to one of the company's S3 buckets.
What combination of steps must the vendor follow to successfully deliver a file to the company? Select 2 answers from the options given below
Please select:

A. Attach an IAM role to the bucket that grants the bucket owner full permissions to the object
B. Add a grant to the objects ACL giving full permissions to bucket owner.
C. Encrypt the object with a KMS key controlled by the company.
D. Add a bucket policy to the bucket that grants the bucket owner full permissions to the object
E. Upload the file to the company's S3 bucket

Answer: BE

Explanation:
This scenario is given in the IAM Documentation
A bucket owner can enable other IAM accounts to upload objects. These objects are owned by the accounts that created them. The bucket owner does not own objects that were not created by the bucket owner. Therefore, for the bucket owner to grant access to these objects, the object owner must first grant permission to the bucket owner using an object ACL. The bucket owner can then delegate those permissions via a bucket policy. In this example, the bucket owner delegates permission to users in its own account.
C:\Users\wk\Desktop\mudassar\Untitled.jpg



Option A and D are invalid because bucket ACL's are used to give grants to bucket Option C is not required since encryption is not part of the requirement For more information on this scenario please see the below Link:
https://docs.IAM.amazon.com/AmazonS3/latest/dev/example-walkthroushs-manaeing-access-example3.htmll The correct answers are: Add a grant to the objects ACL giving full permissions to bucket owner., Upload the file to the company's S3 bucket
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NEW QUESTION 236
- (Exam Topic 3)
A company had developed an incident response plan 18 months ago. Regular implementations of the response plan are carried out. No changes have been made to the response plan have been made since its creation. Which of the following is a right statement with regards to the plan?
Please select:

A. It places too much emphasis on already implemented security controls.
B. The response plan is not implemented on a regular basis
C. The response plan does not cater to new services
D. The response plan is complete in its entirety

Answer: C

Explanation:
So definitely the case here is that the incident response plan is not catering to newly created services. IAM keeps on changing and adding new services and hence the response plan must cater to these new services.
Option A and B are invalid because we don't know this for a fact.
Option D is invalid because we know that the response plan is not complete, because it does not cater to new features of IAM
For more information on incident response plan please visit the following URL: https://IAM.amazon.com/blogs/publicsector/buildins-a-cloud-specific-incident-response-plan;
The correct answer is: The response plan does not cater to new services Submit your Feedback/Queries to our Experts

NEW QUESTION 241
- (Exam Topic 3)
You want to track access requests for a particular S3 bucket. How can you achieve this in the easiest possible way?
Please select:

A. Enable server access logging for the bucket
B. Enable Cloudwatch metrics for the bucket
C. Enable Cloudwatch logs for the bucket
D. Enable IAM Config for the S3 bucket

Answer: A

Explanation:
The IAM Documentation mentions the foil
To track requests for access to your bucket you can enable access logging. Each access log record provides details about a single access request, such as the requester, bucket name, request time, request action, response status, and error code, if any.
Options B and C are incorrect Cloudwatch is used for metrics and logging and cannot be used to track access requests.
Option D is incorrect since this can be used for Configuration management but for not for tracking S3 bucket requests.
For more information on S3 server logs, please refer to below UF https://docs.IAM.amazon.com/AmazonS3/latest/dev/ServerLoes.html
The correct answer is: Enable server access logging for the bucket Submit your Feedback/Queries to our Experts

NEW QUESTION 244
- (Exam Topic 3)
A company is hosting sensitive data in an IAM S3 bucket. It needs to be ensured that the bucket always remains private. How can this be ensured continually?
Choose 2 answers from the options given below
Please select:

A. Use IAM Config to monitor changes to the IAM Bucket
B. Use IAM Lambda function to change the bucket policy
C. Use IAM Trusted Advisor API to monitor the changes to the IAM Bucket
D. Use IAM Lambda function to change the bucket ACL

Answer: AD

Explanation:
One of the IAM Blogs mentions the usage of IAM Config and Lambda to achieve this. Below is the diagram representation of this
ption C is invalid because the Trusted Advisor API cannot be used to monitor changes to the IAM Bucket Option B doesn't seems to be the most appropriate.
* 1. If the object is in a bucket in which all the objects need to be private and the object is not private anymore, the Lambda function makes a PutObjectAcI call to S3 to make the object private.
|https://IAM.amazon.com/blogs/security/how-to-detect-and-automatically-remediate-unintended-permissions-in- The following link also specifies that
Create a new Lambda function to examine an Amazon S3 buckets ACL and bucket policy. If the bucket ACL is found to al public access, the Lambda function overwrites it to be private. If a bucket policy is found, the Lambda function creatt an SNS message, puts the policy in the message body, and publishes it to the Amazon SNS topic we created. Bucket policies can be complex, and overwriting your policy may cause unexpected loss of access, so this Lambda function doesn't attempt to alter your policy in any way.
https://IAM.amazon.com/blogs/security/how-to-use-IAM-config-to-monitor-for-and-respond-to-amazon-s3-buc Based on these facts Option D seems to be more appropriate then Option B.
For more information on implementation of this use case, please refer to the Link:
https://IAM.amazon.com/blogs/security/how-to-use-IAM-config-to-monitor-for-and-respond-to-amazon-s3-buc
The correct answers are: Use IAM Config to monitor changes to the IAM Bucket Use IAM Lambda function to change the bucket ACL

NEW QUESTION 245
- (Exam Topic 3)
You have a set of 100 EC2 Instances in an IAM account. You need to ensure that all of these instances are patched and kept to date. All of the instances are in a private subnet. How can you achieve this. Choose 2 answers from the options given below
Please select:

A. Ensure a NAT gateway is present to download the updates
B. Use the Systems Manager to patch the instances
C. Ensure an internet gateway is present to download the updates
D. Use the IAM inspector to patch the updates

Answer: AB

Explanation:
Option C is invalid because the instances need to remain in the private: Option D is invalid because IAM inspector can only detect the patches
One of the IAM Blogs mentions how patching of Linux servers can be accomplished. Below is the diagram representation of the architecture setup
For more information on patching Linux workloads in IAM, please refer to the Lin. https://IAM.amazon.com/blogs/security/how-to-patch-linux-workloads-on-IAMj
The correct answers are: Ensure a NAT gateway is present to download the updates. Use the Systems Manager to patch the instances
Submit your Feedback/Queries to our Experts

NEW QUESTION 246
- (Exam Topic 3)
A company has a set of resources defined in IAM. It is mandated that all API calls to the resources be monitored. Also all API calls must be stored for lookup purposes. Any log data greater than 6 months must be archived. Which of the following meets these requirements? Choose 2 answers from the options given below. Each answer forms part of the solution.
Please select:

A. Enable CloudTrail logging in all accounts into S3 buckets
B. Enable CloudTrail logging in all accounts into Amazon Glacier
C. Ensure a lifecycle policy is defined on the S3 bucket to move the data to EBS volumes after 6 months.
D. Ensure a lifecycle policy is defined on the S3 bucket to move the data to Amazon Glacier after 6 months.

Answer: AD

Explanation:
Cloudtrail publishes the trail of API logs to an S3 bucket
Option B is invalid because you cannot put the logs into Glacier from CloudTrail
Option C is invalid because lifecycle policies cannot be used to move data to EBS volumes For more information on Cloudtrail logging, please visit the below URL:
https://docs.IAM.amazon.com/IAMcloudtrail/latest/usereuide/cloudtrail-find-log-files.htmll
You can then use Lifecycle policies to transfer data to Amazon Glacier after 6 months For more information on S3 lifecycle policies, please visit the below URL:
https://docs.IAM.amazon.com/AmazonS3/latest/dev/object-lifecycle-mgmt.html
The correct answers are: Enable CloudTrail logging in all accounts into S3 buckets. Ensure a lifecycle policy is defined on the bucket to move the data to Amazon Glacier after 6 months.
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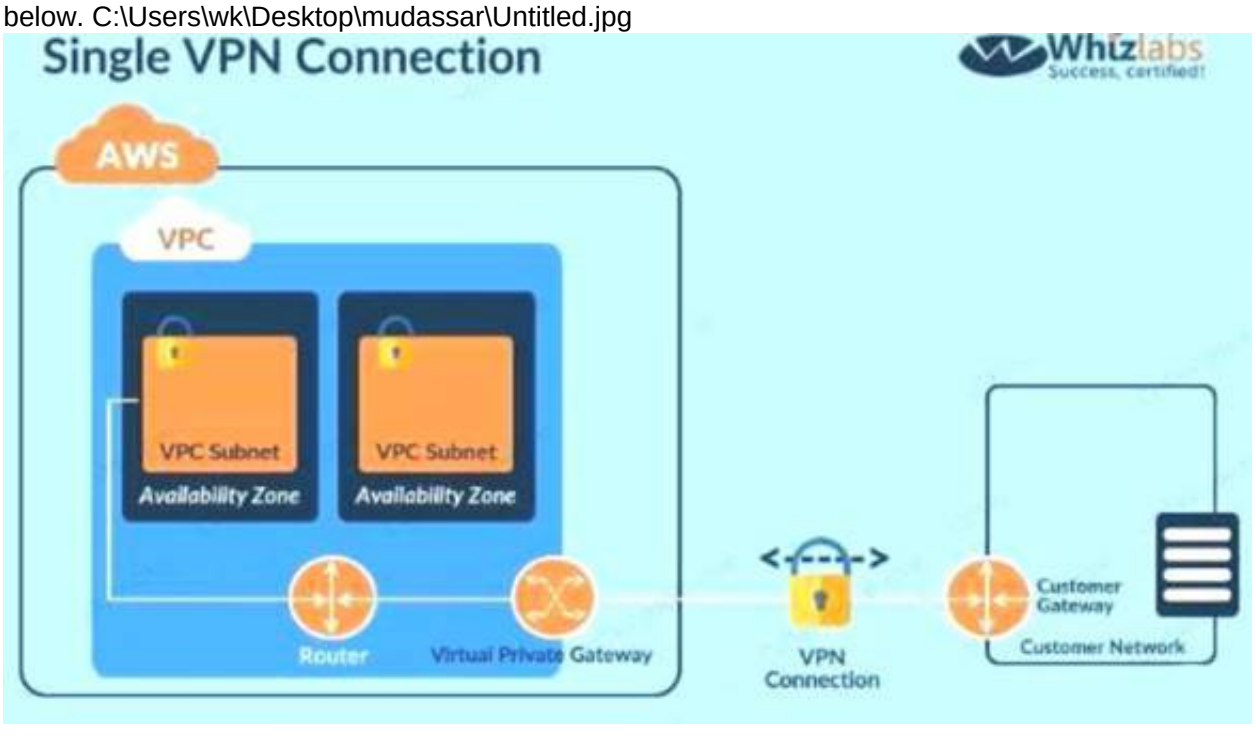
NEW QUESTION 250
- (Exam Topic 3)
You have been given a new brief from your supervisor for a client who needs a web application set up on IAM. The a most important requirement is that MySQL must be used as the database, and this database must not be hosted in t« public cloud, but rather at the client's data center due to security risks. Which of the following solutions would be the ^ best to assure that the client's requirements are met? Choose the correct answer from the options below
Please select:

A. Build the application server on a public subnet and the database at the client's data cente
B. Connect them with a VPN connection which uses IPsec.
C. Use the public subnet for the application server and use RDS with a storage gateway to access and synchronize the data securely from the local data center.
D. Build the application server on a public subnet and the database on a private subnet with a NAT instance between them.
E. Build the application server on a public subnet and build the database in a private subnet with a secure ssh connection to the private subnet from the client's

data center.

Answer: A

Explanation:
Since the database should not be hosted on the cloud all other options are invalid. The best option is to create a VPN connection for securing traffic as shown below. C:\Users\wk\Desktop\mudassar\Untitled.jpg



Option B is invalid because this is the incorrect use of the Storage gateway Option C is invalid since this is the incorrect use of the NAT instance Option D is invalid since this is an incorrect configuration For more information on VPN connections, please visit the below URL
http://docs.IAM.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.htmll
The correct answer is: Build the application server on a public subnet and the database at the client's data center. Connect them with a VPN connection which uses IPsec
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NEW QUESTION 253
- (Exam Topic 3)
You are trying to use the Systems Manager to patch a set of EC2 systems. Some of the systems are not getting covered in the patching process. Which of the following can be used to troubleshoot the issue? Choose 3 answers from the options given below.
Please select:

A. Check to see if the right role has been assigned to the EC2 instances
B. Check to see if the IAM user has the right permissions for EC2
C. Ensure that agent is running on the instances.
D. Check the Instance status by using the Health API.

Answer: ACD

Explanation:
For ensuring that the instances are configured properly you need to ensure the followi .
1) You installed the latest version of the SSM Agent on your instance
2) Your instance is configured with an IAM Identity and Access Management (IAM) role that enables the instance to communicate with the Systems Manager API
3) You can use the Amazon EC2 Health API to quickly determine the following information about Amazon EC2 instances The status of one or more instances
The last time the instance sent a heartbeat value The version of the SSM Agent
The operating system
The version of the EC2Config service (Windows) The status of the EC2Config service (Windows)
Option B is invalid because IAM users are not supposed to be directly granted permissions to EC2 Instances For more information on troubleshooting IAM SSM, please visit the following URL:
https://docs.IAM.amazon.com/systems-manager/latest/userguide/troubleshooting-remote-commands.html The correct answers are: Check to see if the right role has been assigned to the EC2 Instances, Ensure that
agent is running on the Instances., Check the Instance status by using the Health API.
Submit your Feedback/Queries to our Experts

NEW QUESTION 254
- (Exam Topic 3)
You are planning to use IAM Configto check the configuration of the resources in your IAM account. You are planning on using an existing IAM role and using it for the IAM Config resource. Which of the following is required to ensure the IAM config service can work as required?
Please select:

A. Ensure that there is a trust policy in place for the IAM Config service within the role
B. Ensure that there is a grant policy in place for the IAM Config service within the role
C. Ensure that there is a user policy in place for the IAM Config service within the role
D. Ensure that there is a group policy in place for the IAM Config service within the role

Answer: A

Explanation:
Options B,C and D are invalid because you need to ensure a trust policy is in place and not a grant, user or group policy or more information on the IAM role permissions please visit the below Link:
https://docs.IAM.amazon.com/config/latest/developerguide/iamrole-permissions.htmll
The correct answer is: Ensure that there is a trust policy in place for the IAM Config service within the role Submit your Feedback/Queries to our Experts

NEW QUESTION 255
- (Exam Topic 3)
A company has set up EC2 instances on the IAM Cloud. There is a need to see all the IP addresses which are accessing the EC2 Instances. Which service can help achieve this?
Please select:

A. Use the IAM Inspector service
B. Use IAM VPC Flow Logs
C. Use Network ACL's
D. Use Security Groups

Answer: B

Explanation:
The IAM Documentation mentions the foil
A flow log record represents a network flow in your flow log. Each record captures the network flow for a specific 5-tuple, for a specific capture window. A 5-tuple is a set of five different values that specify the source, destination, and protocol for an internet protocol (IP) flow.
Options A,C and D are all invalid because these services/tools cannot be used to get the the IP addresses which are accessing the EC2 Instances
For more information on VPC Flow Logs please visit the URL https://docs.IAM.amazon.com/AmazonVPC/latest/UserGuide/flow-logs.html
The correct answer is: Use IAM VPC Flow Logs Submit vour Feedback/Queries to our Experts

NEW QUESTION 259
- (Exam Topic 3)
You want to launch an EC2 Instance with your own key pair in IAM. How can you achieve this? Choose 3 answers from the options given below.
Please select:

A. Use a third party tool to create the Key pair
B. Create a new key pair using the IAM CLI
C. Import the public key into EC2
D. Import the private key into EC2

Answer: ABC

Explanation:
This is given in the IAM Documentation Creating a Key Pair
You can use Amazon EC2 to create your key pair. For more information, see Creating a Key Pair Using Amazon EC2.
Alternatively, you could use a third-party tool and then import the public key to Amazon EC2. For more information, see Importing Your Own Public Key to Amazon EC2.
Option B is Correct, because you can use the IAM CLI to create a new key pair 1 https://docs.IAM.amazon.com/cli/latest/userguide/cli-ec2-keypairs.html
Option D is invalid because the public key needs to be stored in the EC2 Instance For more information on EC2 Key pairs, please visit the below URL:
* https://docs.IAM.amazon.com/IAMEC2/latest/UserGuide/ec2-key-pairs
The correct answers are: Use a third party tool to create the Key pair. Create a new key pair using the IAM CLI, Import the public key into EC2
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NEW QUESTION 261
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