Amazon

SCS-C02 Exam

AWS Certified Security - Specialty

Questions & Answers
Demo

Version: 8.0

Question: 1

You have an S3 bucket defined in IAM. You want to ensure that you encrypt the data before sending it across the wire. What is the best way to achieve this.

Please select:

A. Enable server side encryption for the S3 bucket. This request will ensure that the data is encrypted first.

B. Use the IAM Encryption CLI to encrypt the data first

C. Use a Lambda function to encrypt the data before sending it to the S3 bucket.

D. Enable client encryption for the bucket

Answer: B

Explanation:

One can use the IAM Encryption CLI to encrypt the data before sending it across to the S3 bucket. Options A and C are invalid because this would still mean that data is transferred in plain text Option D is invalid because you cannot just enable client side encryption for the S3 bucket For more information on Encrypting and Decrypting data, please visit the below URL:

https://IAM.amazonxom/blogs/securirv/how4o-encrvpt-and-decrypt-your-data-with-the-IAM-encryption-cl

The correct answer is: Use the IAM Encryption CLI to encrypt the data first Submit your

Feedback/Queries to our Experts

Question: 2

Your company has a set of EC2 Instances defined in IAM. These Ec2 Instances have strict security groups attached to them. You need to ensure that changes to the Security groups are noted and acted on accordingly. How can you achieve this?
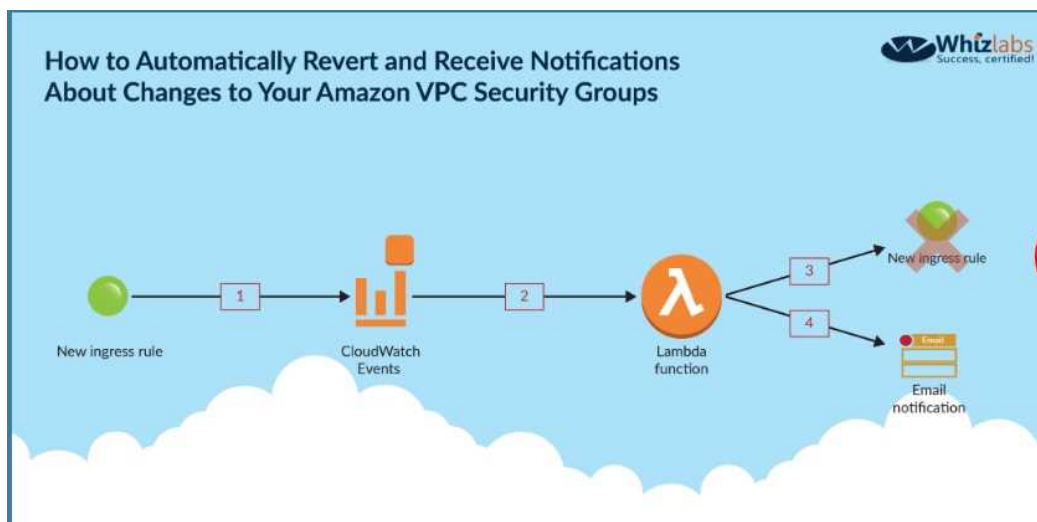
Please select:

A. Use Cloudwatch logs to monitor the activity on the Security Groups. Use filters to search for the changes and use SNS for the notification.

B. Use Cloudwatch metrics to monitor the activity on the Security Groups. Use filters to search for the changes and use SNS for the notification.

C. Use IAM inspector to monitor the activity on the Security Groups. Use filters to search for the changes and use SNS f the notification.

D. Use Cloudwatch events to be triggered for any changes to the Security Groups. Configure the Lambda function for email notification as well.

Answer: D

Explanation:

The below diagram from an IAM blog shows how security groups can be monitored

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Option A is invalid because you need to use Cloudwatch Events to check for chan,

Option B is invalid because you need to use Cloudwatch Events to check for chang

Option C is invalid because IAM inspector is not used to monitor the activity on Security Groups

For more information on monitoring security groups, please visit the below URL:

Ihttpsy/IAM.amazon.com/blogs/security/how-to-automatically-revert-and-receive-notifications-about-changes-to-your-amazonj 'pc-security-groups/

The correct answer is: Use Cloudwatch events to be triggered for any changes to the Security Groups. Configure the Lambda function for email notification as well.

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Question: 3

Your company has just set up a new central server in a VPC. There is a requirement for other teams who have their servers located in different VPC's in the same region to connect to the central server. Which of the below options is best suited to achieve this requirement.

Please select:

A. Set up VPC peering between the central server VPC and each of the teams VPCs.

B. Set up IAM DirectConnect between the central server VPC and each of the teams VPCs.

C. Set up an IPSec Tunnel between the central server VPC and each of the teams VPCs.

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D. None of the above options will work.

Answer: A

Explanation:

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another IAM account within a single region.

Options B and C are invalid because you need to use VPC Peering

Option D is invalid because VPC Peering is available

For more information on VPC Peering please see the below Link:

http://docs.IAM.amazon.com/AmazonVPC/latest/UserGuide/vpc-peering.html

The correct answer is: Set up VPC peering between the central server VPC and each of the teams VPCs. Submit your Feedback/Queries to our Experts

Question: 4

There is a requirement for a company to transfer large amounts of data between IAM and an on-premise location. There is an additional requirement for low latency and high consistency traffic to IAM. Given these requirements how would you design a hybrid architecture? Choose the correct answer from the options below

Please select:

A. Provision a Direct Connect connection to an IAM region using a Direct Connect partner.

B. Create a VPN tunnel for private connectivity, which increases network consistency and reduces latency.

C. Create an iPSec tunnel for private connectivity, which increases network consistency and reduces latency.

D. Create a VPC peering connection between IAM and the Customer gateway.

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Answer: A

Explanation:

IAM Direct Connect makes it easy to establish a dedicated network connection from your premises to IAM. Using IAM Direct Connect you can establish private connectivity between IAM and your datacenter, office, or colocation environment which in many cases can reduce your network costs, increase bandwidth throughput and provide a more consistent network experience than Internet-based connections.

Options B and C are invalid because these options will not reduce network latency

Options D is invalid because this is only used to connect 2 VPC's

For more information on IAM direct connect, just browse to the below URL:

https://IAM.amazon.com/directconnect

The correct answer is: Provision a Direct Connect connection to an IAM region using a Direct Connect partner. omit your Feedback/Queries to our Experts

Question: 5

Which of the following bucket policies will ensure that objects being uploaded to a bucket called 'demo' are encrypted.

Please select:

A.

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```
"Version":"2012-10-17",
"Id":"PutObj",
"Statement":[{
"Sid":"DenyUploads",
"Effect":"Deny",
"Principal":"*",
"Action":"s3:PutObject",
"Resource":"arn:aws:s3:::demo/*",
"Condition":{
"StringNotEquals":{
"s3:x-amz-server-side-encryption":"aws:kms"
}
}
}
]
}
```

B.

```
"Version":"2012-10-17",
"Id":"PutObj",
"Statement":[{
"Sid":"DenyUploads",
"Effect":"Deny",
"Principal":"*",
"Action":"s3:PutObject",
"Resource":"arn:aws:s3:::demo/*",
"Condition":{
"StringEquals":{
"s3:x-amz-server-side-encryption":"aws:kms"
}
}
}
]
}
```

C.

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```
"Version":"2012-10-17",
"Id":"PutObj",
"Statement":[{
"Sid":"DenyUploads",
"Effect":"Deny",
"Principal":"*",
"Action":"s3:PutObject",
"Resource":"arn:aws:s3:::demo/*"
}
}
]
}
```

D.

```
"Version":"2012-10-17",
"Id":"PutObj",
"Statement":[{
"Sid":"DenyUploads",
"Effect":"Deny",
"Principal":"*",
"Action":"s3:PutObjectEncrypted",
"Resource":"arn:aws:s3:::demo/*"
}
}
]
}
```

Answer: A

Explanation:

The condition of "s3:x-amz-server-side-encryption":"IAM:kms" ensures that objects uploaded need to be encrypted.

Options B,C and D are invalid because you have to ensure the condition of ns3:x-amz-server-side-encryption":"IAM:kms" is present

For more information on IAM KMS best practices, just browse to the below URL:

https://dl.IAMstatic.com/whitepapers/IAM-kms-best-praaices.pdf

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```
The correct answer is: {
 "Version":"2012-10-17",
 "Id":"PutObj",
 "Statement":[{
 "Sid":"DenyUploads",
 "Effect":"Deny",
 "Principal":"*",
 "Action":"s3:PutObject",
 "Resource":"arn:aws:s3:::demo/*",
 "Condition":{
 "StringNotEquals":{
 "s3:x-amz-server-side-encryption":"aws:kms"
 }
 }
 }
 ]
}
```

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