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Amazon AWS Certified SysOps Administrator - Associate (SOA-C02) Sample Questions (Q382-Q387):

NEW QUESTION # 382
A company has an infernal web application that runs on Amazon EC2 instances behind an Application Load Balancer.
The instances run in an Amazon EC2 Auto Scaling group in a single Availability Zone.
A SysOps administrator must make the application highly available.
Which action should the SysOps administrator take to meet this requirement?

- A. Increase the minimum number of i stances in the Auto Scaling group to meet the capacity that is required at peak usage.
- B. Update the Au o Scaling group to launch new instances in an Availability Zone in a second AWS Region.
- C. Update the Auto Scaling group to launch new instances in a second Availability Zone in the same AWS Region.
- D. Increase the maximum number of instances in the Auto Scaling group to meet the capacity that is required at peak usage.

Answer: C

Explanation:
An Auto Scaling group can contain EC2 instances in one or more Availability Zones within the same Region. However, Auto Scaling groups cannot span multiple Regions.
https://docs.aws.amazon.com/autoscaling/ec2/userguide/auto-scaling-benefits.html

NEW QUESTION # 383
A company hosts a web application on Amazon EC2 instances behind an Application Load Balancer (ALB).
The company uses Amazon Route 53 to route traffic.
The company also has a static website that is configured in an Amazon S3 bucket.
A SysOps administrator must use the static website as a backup to the web application. The failover to the static website must be fully automated.
Which combination of actions will meet these requirements? (Choose two.)

- A. Create a secondary failover routing policy record. Configure the value to be the static website. Associate the record with a Route 53 health check.
- B. Create a primary failover routing policy record. Configure the value to be the ALB.
- C. Create an AWS Lambda function to switch from the primary website to the secondary website when the health check fails.
- D. Create a primary failover routing policy record. Configure the value to be the ALB. Associate the record with a Route 53 health check.
- E. Create a secondary failover routing policy record. Configure the value to be the static website.

Answer: D,E

NEW QUESTION # 384
A company stores files on 50 Amazon S3 buckets in the same AWS Region. The company wants to connect to the S3 buckets securely over a private connection from its Amazon EC2 instances. The company needs a solution that produces no additional cost.
Which solution will meet these requirements?

- A. Create a gateway VPC endpoint for each S3 bucket. Attach the gateway VPC endpoints to each subnet inside the VPC.
- B. Create an interface VPC endpoint for each S3 bucket. Attach the interface VPC endpoints to each subnet inside the VPC.
- C. Create one gateway VPC endpoint for all the S3 buckets. Add the gateway VPC endpoint to the VPC route table.
- D. Create one interface VPC endpoint for all the S3 buckets. Add the interface VPC endpoint to the VPC route table.

Answer: C

Explanation:
To securely connect to the S3 buckets over a private connection from EC2 instances without incurring additional costs, the SysOps administrator can create a gateway VPC endpoint.
Create a Gateway VPC Endpoint:
Navigate to the VPC console.
Create a gateway VPC endpoint for Amazon S3.
Reference:
Add the Gateway VPC Endpoint to the VPC Route Table:
Select the appropriate route table(s) associated with the subnets in the VPC.
Add a route that directs S3 traffic (com.amazonaws.<region>.s3) to the gateway VPC endpoint.
This configuration allows the EC2 instances to access all the S3 buckets securely over the private network without additional costs, as there are no data transfer charges within the same AWS Region for using a gateway VPC endpoint.

NEW QUESTION # 385
A company is managing multiple AWS accounts in AWS Organizations. The company is reviewing internal security of its AWS environment. The company's security administrator has their own AWS account and wants to review the VPC configuration of developer AWS accounts.
Which solution will meet these requirements in the MOST secure manner?

- A. Create an IAM policy in each developer account that has read-only access related to VPC resources Assign the policy to a cross-account IAM role Ask the security administrator to assume the role from their account.
- B. Create an IAM policy in each developer account that has administrator access related to VPC resources. Assign the policy to a cross-account IAM role. Ask the security administrator to assume the role from their account.
- C. Create an IAM policy in each developer account that has administrator access to all Amazon EC2 actions, including VPC actions. Assign the policy to an IAM user. Share the user credentials with the security administrator.
- D. Create an IAM policy in each developer account that has read-only access related to VPC resources Assign the policy to an IAM user. Share the user credentials with the security administrator.

Answer: A

Explanation:
To securely allow a security administrator to review the VPC configuration of developer AWS accounts, the best approach is to create a cross-account IAM role with read-only access to VPC resources. Here's how to do it:
* Create IAM Policy:
* In each developer account, create an IAM policy with read-only permissions "Version":
"2012-10-17",
"Statement": [
{
"Effect": "Allow",
"Action": [
"ec2:DescribeVpcs",
"ec2:DescribeSubnets",
"ec2:DescribeRouteTables",
"ec2:DescribeSecurityGroups",
"ec2:DescribeNetworkAcls"
],
"Resource": "*"
}
]
}
* Create Cross-Account IAM Role:
* Create an IAM role in each developer account, assign the read-only policy to the role, and allow the security administrator's account to assume the role.
{
"Version": "2012-10-17",
"Statement": [
{
"Effect": "Allow",
"Principal": {
"AWS": "arn:aws:iam::security-admin-account-id:root"
},
"Action": "sts:AssumeRole"
}
]
}
* Assume the Role:
* The security administrator can assume the role from their own account using the AWS Management Console or AWS CLI.
aws sts assume-role --role-arn arn:aws:iam::developer-account-id:role/role-name --role-session-name security-admin-session
* Review VPC Configuration:
* After assuming the role, the security administrator can review the VPC configuration using the AWS Management Console or AWS CLI with the temporary credentials.
References:
* IAM Policies and Roles
* Cross-Account Access
* AWS CLI Assume Role

NEW QUESTION # 386
A company asks a SysOps administrator to ensure that AWS CloudTrail files are not tampered with after they are created. Currently, the company uses AWS Identity and Access Management (IAM) to restrict access to specific trails. The company's

security team needs the ability to trace the integrity of each file.
What is the MOST operationally efficient solution that meets these requirements?

- A. Create an AWS Lambda function that is invoked each time a new file is delivered to the CloudTrail bucket. Configure the Lambda function to compute an MD5 hash check on the file and store the result as a tag in an Amazon 53 object. The security team can use the information in the tag to verify the integrity of the delivered files.
- B. Enable the CloudTrail file integrity feature on the trail. The security team can use the digest file that is created by CloudTrail to verify the integrity of the delivered files.
- C. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that invokes an AWS Lambda function when a new file is delivered. Configure the Lambda function to compute an MD5 hash check on the file and store the result in an Amazon DynamoDB table. The security team can use the values that are stored in DynamoDB to verify the integrity of the delivered files.
- D. Enable the CloudTrail file integrity feature on an Amazon S3 bucket. Create an IAM policy that grants the security team access to the file integrity logs that are stored in the S3 bucket.

Answer: D

NEW QUESTION # 387
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