SOA-C01^{Q&As}

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QUESTION 1

The InfoSec team has asked the SysOps Administrator to perform some hardening on the company Amazon RDS database instances.

Based on this requirement, what actions should be recommended for the start of the security review? (Choose two.)

A. Use Amazon Inspector to present a detailed report of security vulnerabilities across the RDS database fleet

B. Review the security group\'s inbound access rules for least privilege

C. Export AWS CloudTrail entries detailing all SSH activity on the RDS instances

D. Use the cat command to enumerate the allowed SSH keys in ~/.ssh on each RDS instance

E. Report on the Parameter Group settings and ensure that encrypted connections are enforced

Correct Answer: AE

QUESTION 2

A company has developed a new memory-intensive application that is deployed to a large Amazon EC2 Linux fleet. The company is concerned about potential memory exhaustion, so the development team wants to monitor memory usage by using Amazon CloudWatch.

What is the MOST operationally efficient way to accomplish this goal?

A. Create an AWS Lambda function to capture memory utilization of the EC2 instances. Schedule the Lambda function with Amazon EventBridge (Amazon CloudWatch Events).

B. Deploy the application to memory optimized EC2 instances. Use the CloudWatch MemoryUtilization metric.

C. Install the CloudWatch agent on the EC2 instances to collect and send metrics to CloudWatch.

D. Install the CloudWatch monitoring scripts on the EC2 instances to collect and send metrics to CloudWatch.

Correct Answer: D

QUESTION 3

A Developer created an AWS Lambda function and has asked the SysOps Administrator to make this function run every 15 minutes.

What is the MOST efficient way to accomplish this request?

A. Create an Amazon EC2 instance and schedule a cron to invoke the Lambda function.

B. Create a Repeat Time variable inside the Lambda function to invoke the Lamdba function.

C. Create a second Lambda function to monitor and invoke the first Lamdba function.

D. Create an Amazon CloudWatch scheduled event to invoke the Lambda function.

Correct Answer: D

Reference: https://docs.aws.amazon.com/lambda/latest/dg/with-scheduled-events.html

QUESTION 4

A company has adopted a security policy that requires all customer data to be encrypted at rest. Currently, customer data is stored on a central Amazon EFS file system and accessed by a number of different applications from Amazon EC2 instances.

How can the SysOps Administrator ensure that all customer data stored on the EFS file system meets the new requirement?

A. Update the EFS file system settings to enable server-side encryption using AES-256.

B. Create a new encrypted EFS file system and copy the data from the unencrypted EFS file system to the new encrypted EFS file system.

C. Use AWS CloudHSM to encrypt the files directly before storing them in the EFS file system.

D. Modify the EFS file system mount options to enable Transport Layer Security (TLS) on each of the EC2 instances.

Correct Answer: B

QUESTION 5

A media company produces new video files on-premises every day with a total size of around 100 GBS after compression All files have a size of 1 -2 GB and need to be uploaded to Amazon S3 every night in a fixed time window between 3am and 5am Current upload takes almost 3 hours, although less than half of the available bandwidth is used. What step(s) would ensure that the file uploads are able to complete in the allotted time window?

A. Increase your network bandwidth to provide faster throughput to S3

B. Upload the files in parallel to S3

C. Pack all files into a single archive, upload it to S3, then extract the files in AWS

D. Use AWS Import/Export to transfer the video files

Correct Answer: B

Explanation:

https://aws.amazon.com/blogs/aws/amazon-s3-multipart-upload/