Amazon
SOA-C01

AWS Certified SysOps Administrator – Associate

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Question: 1

A SysOps Administrator is using AWS KMS with AWS-generated key material to encrypt an Amazon EBS volume in a company's AWS environment. The Administrator wants to rotate the KMS keys using automatic key rotation, and needs to ensure that the EBS volume encrypted with the current key remains readable.
Whatshould be done to accomplish this?
A. Back up the current KMS key and enable automatic key rotation.
B. Create a new key in AWS KMS and assign the key to Amazon EBS.
C. Enable automatic key rotation of the EBS volume key in AWS KMS.
D. Upload ne key material to the EBS volume key in AWS KMS to enable automatic key rotation for the volume.

Answer: C

Explanation:
References: https://docs.aws.amazon.com/kms/latest/developerguide/rotatekeys.html

Question: 2

A company has an application running on a fleet of Microsoft Windows instances. Patches to the operating system need to be applied each month. AWS Systems Manager Patch Manager is used to apply the patches on a schedule.
When the fleet is being patched, customers complain about delayed service responses.
What can be done to ensure patches are deployed with MINIMAL customer impact?
A. Change the number of instances patched at any one time to 100%.
B. Create a snapshot of each server in the fleet using a Systems Manager Automation document before starting the patch process.
C. Configure the maintenance window to patch 10% of the instance in the patch group at a time.
D. Create a patched Amazon Machine Image (AMI). Configure the maintenance window option to deploy the patched AMI on only 10% of the fleet at a time.

Answer: C

Explanation:
Reference:
https://aws.amazon.com/blogs/mt/patching-your-windows-ec2-instances-using-aws-systems-managerpatch-manager/

Question: 3

An organization has decided to consolidate storage and move all of its backups and archives to Amazon
S3. With all of the data gathered into a hierarchy under a single directory, the organization determines there is 70 TB data that needs to be uploaded. The organization currently has a 150-Mbps connection with 10 people working at the location.
Which service would be the MOST efficient way to transfer this data to Amazon S3?
A. AWS Snowball
B. AWS Direct Connect
C. AWS Storage Gateway
D. Amazon S3 Transfer Acceleration

Answer: A

Question: 4

A SysOps Administrator is writing a utility that publishes resources from an AWS Lambda function in AWS account A to an Amazon S3 bucket in AWS Account B. The Lambda function is able to successfully write new objects to the S3 bucket, but IAM users in Account B are unable to delete objects written to the bucket by Account A.
Which step will fix this issue?
A. Add s3:Deleteobject permission to the IAM execution role of the AWS Lambda function in Account A.
B. Change the bucket policy of the S3 bucket in Account B to allow s3:Deleteobject permission for
Account A.
C. Disable server-side encryption for objects written to the S3 bucket by the Lambda function.

D. Call the S3:PutObjectAcl API operation from the Lambda function in Account A to specify bucket owner, full control.

Answer: A

Question: 5

A company's customers are reporting increased latency while accessing static web content from Amazon
S3. A SysOps Administrator observed a very high rate of read operations on a particular S3 bucket.
What will minimize latency by reducing load on the S3 bucket?
A. Migrate the S3 bucket to a region that is closer to end users' geographic locations.
B. Use cross-regions replication to replicate all of the data to another region.
C. Create an Amazon CloudFront distribution with the S3 bucket as the origin.
D. Use Amazon ElasticCache to cache data being served from Amazon S3.

Answer: C

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