DVA-C01 ^{Q&As}

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QUESTION 1

A developer is building an application that reads 90 Items of data each second from an Amazon DynamoDB table. Each item Is 3 KB m size. The table is configured to use eventually consistent reads How many read capacity units should the developer provision for the table?

A. 25

B. 35

C. 45

D. 85

Correct Answer: C

QUESTION 2

Which features can be used to restrict access to data in S3? Choose 2 answers

A. Use S3 Virtual Hosting

B. Set an S3 Bucket policy.

C. Enable IAM Identity Federation.

D. Set an S3 ACL on the bucket or the object.

E. Create a CloudFront distribution for the bucket

Correct Answer: BD

https://aws.amazon.com/premiumsupport/knowledge-center/secure-s3-resources/

QUESTION 3

A Lambda function processes data before sending it to a downstream service. Each piece of data is approximately 1MB in size. After a security audit, the function is now required to encrypt the data before sending it downstream. Which API call is required to perform the encryption?

A. Pass the data to the KMS ReEncrvpt API for encryption.

B. Use the KMS GenerateDataKev API to get an encryption key.

C. Use the KMS GenerateDataKeyWithoutPlainText API to get an encryption key.

D. Pass the data to KMS as part of the Encrypt API for encryption.

Correct Answer: B

QUESTION 4

A company has written a Java AWS Lambda function to be triggered whenever a user uploads an image to an Amazon S3 bucket. The function converts the original image to several different formats and then copies the resulting images to

another Amazon S3 bucket.

The Developers find that no images are being copied to the second Amazon S3 bucket. They have tested the code on an Amazon EC2 instance with 1GB of RAM, and it takes an average of 500 seconds to complete.

What is the MOST likely cause of the problem?

A. The Lambda function has insufficient memory and needs to be increased to 1 GB to match the Amazon EC2 instance

B. Files need to be copied to the same Amazon S3 bucket for processing, so the second bucket needs to be deleted.

C. Lambda functions have a maximum execution limit of 300 seconds, therefore the function is not completing.

D. There is a problem with the Java runtime for Lambda, and the function needs to be converted to node.js.

Correct Answer: C

QUESTION 5

A company has three AWS Lambda functions that are written in Node js The Lambda functions include a mix of custom code and open-source modules When bugs are occasionally detected in the open-source modules, all three Lambda functions must be patched.

What is the MOST operationally efficient solution to deploy a patched open-source library for all three Lambda functions?

A. Create a custom AWS CloudFormation public registry extension Reference a GitHub repository that hosts the open-source modules m the extension Configure Formation to scan the repository once each day Write an AWS Serverless Application Model (AWS SAM) template to redeploy the three Lambda functions upon a scan notification change.

B. Create an Amazon CloudFront distribution with an Amazon S3 bucket as the origin Upload the patched modules to Amazon S3 when needed Modify each Lambda function to download the patched modules from the CloudFront distribution during the cold start.

C. Launch an Amazon EC2 instance Host a private open-source module registry on the EC2 instance Upload the modified open-source modules to the private registry when needed. Modify each Lambda function deployment script to download the modules from the private registry Redeploy the three new Lambda functions.

D. Create a Lambda layer with the open-source modules Modify all three Lambda functions to depend on the layer Remove the open-source modules from each Lambda function Patch the Lambda layer with the modified open-source modules when needed Update the Lambda functions to reference the new layer version

Correct Answer: D

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