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QUESTION 1

A developer has code stored in an Amazon S3 bucket. The code must be deployed as an AWS Lambda function across multiple accounts in the same Region as the S3 bucket. The Lambda function will be deployed using an AWS CloudFormation template that is run for each account. What is the MOST secure approach to allow access to the Lambda code in the S3 bucket?

- A. Grant the CloudFormation execution role S3 list and get permissions. Add a bucket policy to Amazon S3 with the Principal of "AWS": [account numbers].
- B. Grant the CloudFormation execution role S3 get permissions. Add a bucket policy to Amazon S3 with the Principal of "".
- C. Use a service-based link to grant the Lambda function S3 list and get permissions by explicitly adding the S3 bucket's account number in the resource.
- D. Use a service-based link to grant the Lambda function S3 get permissions and add a Resource of "*" to allow access to the S3 bucket.

Correct Answer: A

QUESTION 2

A company maintains an application responsible for processing several thousand external callbacks each day. The company's System administrators want to know how many callbacks are being received on a rolling basis, and they want this data available for 10 days. The company also wants the ability to issue automated alerts if the number of callbacks exceeds the defined thresholds.

What is the MOST cost-effective way to address the need to track and alert on these statistics?

- A. Push callback data to an Amazon RDS database that can be queried to show historical data and to alert on exceeded thresholds.
- B. Push callback data to AWS X-Ray and use AWS Lambda to query, display, and alert on exceeded thresholds.
- C. Push callback data to Amazon Kinesis Data Streams and invoke an AWS Lambda function that stores data in Amazon DynamoDB and sends the required alerts.
- D. Push callback data to Amazon CloudWatch as a custom metric and use the CloudWatch alerting mechanisms to alert System Administrators.

Correct Answer: D

QUESTION 3

A company is migrating from a monolithic architecture to a microservices-based architecture. The Developers need to refactor the application so that the many microservices can asynchronously communicate with each other without impacting performance.

Use of which managed AWS services will enable asynchronous message passing? (Choose two.)

- A. Amazon SQS
- B. Amazon Cognito
- C. Amazon Kinesis
- D. Amazon SNS
- E. Amazon ElastiCache

Correct Answer: AD

QUESTION 4

A company is developing a web application that allows its employees to upload a profile picture to a private Amazon S3 bucket. There is no size limit for the profile pictures, which should be displayed every time an employee logs in. For security reasons, the pictures cannot be publicly accessible.

What is a viable long-term solution for this scenario?

- A. Generate a presigned URL when a picture is uploaded. Save the URL in an Amazon DynamoDB table. Return the URL to the browser when the employee logs in.
- B. Save the picture's S3 key in an Amazon DynamoDB table. Create an Amazon S3 VPC endpoint to allow the employees to download pictures once they log in.
- C. Encode a picture using base64. Save the base64 string in an Amazon DynamoDB table. Allow the browser to retrieve the string and convert it to a picture.
- D. Save the picture's S3 key in an Amazon DynamoDB table. Use a function to generate a presigned URL every time an employee logs in. Return the URL to the browser.

Correct Answer: B

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/s3-private-connection-noauthentication/>

QUESTION 5

A developer has created an AWS Lambda function for a company's application. The developer must make the Lambda function available for other developers at the company to deploy as needed. The other developers must be able to use the application without needing to configure the environment or resources.

The developer decides to publish the application in the AWS Serverless Application Repository and needs to build the AWS Serverless Application Model (AWS SAM) template for the deployment.

Which sections is the developer required to include in the template? (Choose two.)

- A. Resources

B. Parameters

C. Metadata

D. Globals

E. Transform

Correct Answer: AB

Reference: <https://aws.amazon.com/blogs/mt/build-deploy-serverless-app-using-aws-serverless-application-model-and-aws-cloudformation/>

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