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AWS Certified Developer - Associate

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**QUESTION 1**

A developer is troubleshooting an application in an integration environment. In the application, an Amazon Simple Queue Service (Amazon SQS) queue consumes messages and then an AWS Lambda function processes the messages. The Lambda function transforms the messages and makes an API call to a third-party service.

There has been an increase in application usage. The third-party API frequently returns an HTTP 429 Too Many Requests error message. The error message prevents a significant number of messages from being processed successfully.

How can the developer resolve this issue?

- A. Increase the SQS event source's batch size setting.
- B. Configure provisioned concurrency for the Lambda function based on the third-party API's documented rate limits.
- C. Increase the retry attempts and maximum event age in the Lambda function's asynchronous configuration.
- D. Configure maximum concurrency on the SQS event source based on the third-party service's documented rate limits.

Correct Answer: D

QUESTION 2

A company runs a serverless application on AWS. The application includes an AWS Lambda function. The Lambda function processes data and stores the data in an Amazon RDS for PostgreSQL database. A developer created a user credentials in the database for the application.

The developer needs to use AWS Secrets Manager to manage the user credentials. The password must to be rotated on a regular basis. The solution needs to ensure that there is high availability and no downtime for the application during secret rotation.

What should the developer do to meet these requirements?

- A. Configure managed rotation with the single user rotation strategy.
- B. Configure managed rotation with the alternating users rotation strategy.
- C. Configure automatic rotation with the single user rotation strategy.
- D. Configure automatic rotation with the alternating users rotation strategy.

Correct Answer: D

QUESTION 3

A company has an internal website that contains sensitive data. The company wants to make the website public. The company must ensure that only employees who authenticate through the company's OpenID Connect (OIDC) identity provider (IdP) can access the website. A developer needs to implement authentication without editing the website.



Which combination of steps will meet these requirements? (Choose two.)

- A. Create a public Network Load Balancer.
- B. Create a public Application Load Balancer.
- C. Configure a listener for the load balancer that listens on HTTPS port 443. Add a default authenticate action providing the OIDC IdP configuration.
- D. Configure a listener for the load balancer that listens on HTTP port 80. Add a default authenticate action providing the OIDC IdP configuration.
- E. Configure a listener for the load balancer that listens on HTTPS port 443. Add a default AWS Lambda action providing an Amazon Resource Name (ARN) to a Lambda authentication function.

Correct Answer: BC

QUESTION 4

A developer has an application that makes batch requests directly to Amazon DynamoDB by using the BatchGetItem low-level API operation. The responses frequently return values in the UnprocessedKeys element.

Which actions should the developer take to increase the resiliency of the application when the batch response includes values in UnprocessedKeys? (Choose two.)

- A. Retry the batch operation immediately.
- B. Retry the batch operation with exponential backoff and randomized delay.
- C. Update the application to use an AWS software development kit (AWS SDK) to make the requests.
- D. Increase the provisioned read capacity of the DynamoDB tables that the operation accesses.
- E. Increase the provisioned write capacity of the DynamoDB tables that the operation accesses.

Correct Answer: BC

<https://docs.aws.amazon.com/general/latest/gr/api-retries.html>

QUESTION 5

A developer is creating an AWS CloudFormation stack. The stack contains IAM resources with custom names. When the developer tries to deploy the stack, they receive an InsufficientCapabilities error.

What should the developer do to resolve this issue?

- A. Specify the CAPABILITY_AUTO_EXPAND capability in the CloudFormation stack.
- B. Use an administrators role to deploy IAM resources with CloudFormation.
- C. Specify the CAPABILITY_IAM capability in the CloudFormation stack.
- D. Specify the CAPABILITY_NAMED_IAM capability in the CloudFormation stack.



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Correct Answer: D

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