

DVA-C01^{Q&As}

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QUESTION 1

A Developer created a Lambda function for a web application backend. When testing the Lambda function from the AWS Lambda console, the Developer can see that the function is being executed, but there is no log data being generated in Amazon CloudWatch Logs, even after several minutes.

What could cause this situation?

- A. The Lambda function does not have any explicit log statements for the log data to send it to CloudWatch Logs.
- B. The Lambda function is missing CloudWatch Logs as a source trigger to send log data.
- C. The execution role for the Lambda function is missing permissions to write log data to the CloudWatch Logs.
- D. The Lambda function is missing a target CloudWatch Log group.

Correct Answer: C

<https://docs.aws.amazon.com/lambda/latest/dg/lambda-monitoring.html>

QUESTION 2

A developer is creating AWS CloudFormation templates to manage an application's deployment in Amazon Elastic Container Service (Amazon ECS) through AWS CodeDeploy. The developer wants to automatically deploy new versions of the application to a percentage of users before the new version becomes available for all users.

How should the developer manage the deployment of the new version?

- A. Modify the CloudFormation template to include a Transform section and the `AWS::CodeDeploy::BlueGreen` hook.
- B. Deploy the new version in a new CloudFormation stack. After testing is complete, update the application's DNS records for the new stack.
- C. Run CloudFormation stack updates on the application stack to deploy new application versions when they are available.
- D. Create a nested stack for the new version. Include a Transform section and the `AWS::CodeDeploy::BlueGreen` hook.

Correct Answer: A

Reference: <https://docs.aws.amazon.com/codedeploy/latest/userguide/reference-cloudformation-templates.html>

QUESTION 3

An application is using Amazon DynamoDB as its data store, and should be able to read 100 items per second as strongly consistent reads. Each item is 5 KB in size. To what value should the table's provisioned read throughput be set?

- A. 50 read capacity units

- B. 100 read capacity units
- C. 200 read capacity units
- D. 500 read capacity unitsc

Correct Answer: C

QUESTION 4

A Developer is creating a Lambda function that will generate and export a file. The function requires 100 MB of temporary storage for temporary files while executing. These files will not be needed after the function is complete. How can the Developer MOST efficiently handle the temporary files?

- A. Store the files in EBS and delete the files at the end of the Lambda function.
- B. Copy the files to EFS and delete the files at the end of the Lambda function.
- C. Store the files in the /tmp directory and delete the files at the end of the Lambda function.
- D. Copy the files to an S3 bucket with a lifecycle policy to delete the files.

Correct Answer: C

QUESTION 5

A developer is receiving an intermittent ProvisionedThroughputExceeded Exception error from an application that is based on Amazon DynamoDB. According to the Amazon CloudWatch metrics for the table, the application is not exceeding the provisioned throughput.

What could be the cause of the issue?

- A. The DynamoDB table storage size is larger than the provisioned size
- B. The application is exceeding capacity on a particular hash key
- C. The DynamoDB table is exceeding the provisioned scaling operations
- D. The application is exceeding capacity on a particular sort key

Correct Answer: A

Reference: <https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/Programming.Errors.html>