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QUESTION 1

A developer is using Amazon S3 as the event source that invokes a Lambda function when new objects are created in the bucket. The event source mapping information is stored in the bucket notification configuration. The developer is working with different versions of the Lambda function, and has a constant need to update notification configuration so that Amazon S3 invokes the correct version.

What is the MOST efficient and effective way to achieve mapping between the S3 event and Lambda?

- A. Use a different Lambda trigger
- B. Use Lambda environment variables
- C. Use a Lambda alias
- D. Use Lambda tags.

Correct Answer: A

QUESTION 2

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 units

Correct Answer: C

QUESTION 3

A developer is writing an application to analyze the traffic to a fleet of Amazon EC2 instances. The EC2 instances run behind a public Application Load Balancer (ALB). An HTTP server runs on each of the EC2 instances, logging all requests

to a log file.

The developer wants to capture the client public IP addresses. The developer analyzes the log files and notices only the IP address of the ALB.

What must the developer do to capture the client public IP addresses in the log file?

- A. Add a Host header to the HTTP server log configuration file
- B. Install the Amazon CloudWatch Logs agent on each EC2 instance. Configure the agent to write to the log file.

- C. Install the AWS X-Ray daemon on each EC2 instance Configure the daemon to write to the log file.
- D. Add an X-Forwarded-For header to the HTTP server log configuration file.

Correct Answer: D

QUESTION 4

A developer manages an application that interacts with Amazon RDS. After observing slow performance with read queries, the developer implements Amazon ElastiCache to update the cache immediately following the primary database update.

What will be the result of this approach to caching?

- A. Caching will increase the load on the database instance because the cache is updated for every database update.
- B. Caching will slow performance of the read queries because the cache is updated when the cache cannot find the requested data.
- C. The cache will become large and expensive because the infrequently requested data is also written to the cache.
- D. Overhead will be added to the initial response time because the cache is updated only after a cache miss.

Correct Answer: D

Reference: <https://aws.amazon.com/elasticache/faqs/>

QUESTION 5

A Developer is writing a serverless application that requires that an AWS Lambda function be invoked every 10 minutes. What is an automated and serverless way to trigger the function?

- A. Deploy an Amazon EC2 instance based on Linux, and edit its /etc/crontab file by adding a command to periodically invoke the Lambda function.
- B. Configure an environment variable named PERIOD for the Lambda function. Set the value to 600.
- C. Create an Amazon CloudWatch Events rule that triggers on a regular schedule to invoke the Lambda function.
- D. Create an Amazon SNS topic that has a subscription to the Lambda function with a 600-second timer.

Correct Answer: C

Reference:

<https://aws.amazon.com/blogs/architecture/a-serverless-solution-for-invoking-aws-lambda-at-a-sub-minute-frequency/>