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QUESTION 1

A developer is troubleshooting the permissions of an application that needs to make changes to an Amazon RDS database. The developer has access to the IAM role that the application is using. Which command structure should the developer use to test the role permissions?

- A. `aws sts assume-role`
- B. `aws iam attach-role-policy`
- C. `aws ssm resume-session`
- D. `aws rds add-role-to-db-cluster`

Correct Answer: A

QUESTION 2

A developer has written a multi-threaded application that is running on a fleet of Amazon EC2 instances. The operations team has requested a graphical method to monitor the number of running threads over time. What is the MOST efficient way to fulfill this request?

- A. Periodically send the thread count to AWS X-Ray segments, then generate a service graph on demand.
- B. Create a custom Amazon CloudWatch metric and periodically perform a `PutMetricData` call with the current thread count.
- C. Periodically log thread count data to Amazon S3. Use Amazon Kinesis to process the data into a graph.
- D. Periodically write the current thread count to a table using Amazon DynamoDB and use Amazon CloudFront to create a graph.

Correct Answer: B

Reference: https://docs.aws.amazon.com/AmazonCloudWatch/latest/APIReference/API_PutMetricData.html

QUESTION 3

A developer is writing code for an AWS Lambda function. The function will be used as a Lambda authorizer so that Amazon API Gateway can control access to a specific API. What should this code return in addition to the principal identifier upon successful authentication?

- A. An HTTP response status code of 200 that indicates successful completion
- B. An integer 0 that indicates successful completion
- C. The Amazon Resource Name (ARN) of an IAM role that will be assumed for authentication
- D. A policy document with desired permissions



Correct Answer: C

Reference: <https://www.alexdebrie.com/posts/lambda-custom-authorizers/>

QUESTION 4

A company is running a Docker application on Amazon ECS. The application must scale based on user load in the last 15 seconds. How should a Developer instrument the code so that the requirement can be met?

- A. Create a high-resolution custom Amazon CloudWatch metric for user activity data, then publish data every 30 seconds
- B. Create a high-resolution custom Amazon CloudWatch metric for user activity data, then publish data every 5 seconds
- C. Create a standard-resolution custom Amazon CloudWatch metric for user activity data, then publish data every 30 seconds
- D. Create a standard-resolution custom Amazon CloudWatch metric for user activity data, then publish data every 5 seconds

Correct Answer: B

<https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/publishingMetrics.html#high-resolution-metrics>

QUESTION 5

A company is using an Amazon API Gateway REST API endpoint as a webhook to publish events from an on-premises source control management (SCM) system to Amazon EventBridge (Amazon CloudWatch Events). The company has configured an EventBridge (CloudWatch Events) rule to listen for the events and to control application deployment in a central AWS account. The company needs to receive the same events across multiple receiver AWS accounts.

How can a developer meet these requirements without changing the configuration of the SCM system?

- A. Deploy the API Gateway REST API to all the required AWS accounts. Use the same custom domain name for all the gateway endpoints so that a single SCM webhook can be used for all events from all accounts.
- B. Deploy the API Gateway REST API to all the receiver AWS accounts. Create as many SCM webhooks as the number of AWS accounts.
- C. Grant permission to the central AWS account for EventBridge (CloudWatch Events) to access the receiver AWS accounts. Add an EventBridge (CloudWatch Events) event bus on the receiver AWS accounts as the targets to the existing EventBridge (CloudWatch Events) rule.
- D. Convert the API Gateway type from REST API to HTTP API.

Correct Answer: C

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