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**QUESTION 1**

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. The company has configured an EventBridge 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 to access the receiver AWS accounts. Add an EventBridge event bus on the receiver AWS accounts as the targets to the existing EventBridge rule.
- D. Convert the API Gateway type from REST API to HTTP API.

Correct Answer: C

<https://docs.aws.amazon.com/eventbridge/latest/userguide/eb-cross-account.html>

QUESTION 2

A developer has created a large AWS Lambda function. Deployment of the function is failing because of an `InvalidParameterValueException` error. The error message indicates that the unzipped size of the function exceeds the maximum supported value.

Which actions can the developer take to resolve this error? (Choose two.)

- A. Submit a quota increase request to AWS Support to increase the function to the required size.
- B. Use a compression algorithm that is more efficient than ZIP.
- C. Break up the function into multiple smaller functions.
- D. Zip the .zip file twice to compress the file more.
- E. Move common libraries, function dependencies, and custom runtimes into Lambda layers.

Correct Answer: CE

QUESTION 3

A company has an AWS Lambda function that processes incoming requests from an Amazon API Gateway API. The API calls the Lambda function by using a Lambda alias. A developer updated the Lambda function code to handle more details related to the incoming requests. The developer wants to deploy the new Lambda function for more testing by other developers with no impact to customers that use the API.



Which solution will meet these requirements with the LEAST operational overhead?

- A. Create a new version of the Lambda function. Create a new stage on API Gateway with integration to the new Lambda version. Use the new API Gateway stage to test the Lambda function.
- B. Update the existing Lambda alias used by API Gateway to a weighted alias. Add the new Lambda version as an additional Lambda function with a weight of 10%. Use the existing API Gateway stage for testing.
- C. Create a new version of the Lambda function. Create and deploy a second Lambda function to filter incoming requests from API Gateway. If the filtering Lambda function detects a test request, the filtering Lambda function will invoke the new Lambda version of the code. For other requests, the filtering Lambda function will invoke the old Lambda version. Update the API Gateway API to use the filtering Lambda function.
- D. Create a new version of the Lambda function. Create a new API Gateway API for testing purposes. Update the integration of the new API with the new Lambda version. Use the new API for testing.

Correct Answer: A

QUESTION 4

A developer accesses AWS CodeCommit over SSH. The SSH keys configured to access AWS CodeCommit are tied to a user with the following permissions:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "codecommit:BatchGetRepositories",
        "codecommit:Get*",
        "codecommit:List*",
        "codecommit:GitPull"
      ],
      "Resource": "*"
    }
  ]
}
```



The developer needs to create/delete branches.

Which specific IAM permissions need to be added, based on the principle of least privilege?

- A. "codecommit:CreateBranch" "codecommit>DeleteBranch"
- B. "codecommit:Put*"
- C. "codecommit:Update*"
- D. "codecommit:*"

Correct Answer: A

QUESTION 5

A developer has created an AWS Lambda function that makes queries to an Amazon Aurora MySQL DB instance. When the developer performs a test, the DB instance shows an error for too many connections. Which solution will meet these requirements with the LEAST operational effort?

- A. Create a read replica for the DB instance. Query the replica DB instance instead of the primary DB instance.
- B. Migrate the data to an Amazon DynamoDB database.
- C. Configure the Amazon Aurora MySQL DB instance for Multi-AZ deployment.
- D. Create a proxy in Amazon RDS Proxy. Query the proxy instead of the DB instance.

Correct Answer: D

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