Amazon

DVA-C01

AWS Certified Developer Associate Exam

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QUESTION 1

A company has three AWS Lambda functions that are written in Node js The Lambda functions include a mix of custom code and open-source modules When bugs are occasionally detected in the opensource modules, all three Lambda functions must be patched.
What is the MOST operationally efficient solution to deploy a patched open-source library for all three
Lambda functions?

A. Create a custom AWS CloudFormation public registry extension Reference a GitHub repository that hosts the open-source modules m the extension Configure Formation to scan the repository once each day Write an AWS Serverless Application Model (AWS SAM) template to redeploy the three
Lambda functions upon a scan notification change.
B. Create an Amazon CloudFront distribution with an Amazon S3 bucket as the origin Upload the patched modules to Amazon S3 when needed Modify each Lambda function to download the patched modules from the CloudFront distribution during the cold start.
C. Launch an Amazon EC2 instance Host a private open-source module registry on the EC2 instance
Upload the modified open-source modules to the private registry when needed. Modify each
Lambda function deployment script to download the modules from the private registry Redeploy the three new Lambda functions.
D. Create a Lambda layer with the open-source modules Modify all three Lambda functions to dependon the layer Remove the open-source modules from each Lambda function Patch the Lam bda
layer with the modified open-source modules when needed Update the Lambda functions to
reference the new layer version

Correct Answer: D

QUESTION 2

A developer is building an application that processes a stream of user-supplied data The data stream must be consumed by multiple Amazon EC2 based processing applications in parallel and in real time.
Each processor must be able to resume without losing data if there is a service interruption. The
Application Architect plans to add other processors in the near future, and wants to minimize the amount of data duplication involved.
Which solution will satisfy these requirements?

A. Publish the data to Amazon SQS
B. Publish the data to Amazon Kinesis Data Firehose
C. Publish the data to Amazon CloudWatch Events.
D. Publish the data to Amazon Kinesis Data Streams.

Correct Answer: A

QUESTION 3

A developer is building a WebSocket API using Amazon API Gateway. The payload sent to this API is
JSON that includes an action key This key can have three different values create, update, and remove
The developer must integrate with different routes based on the value of the action key of the incoming JSON payload.
How can the developer accomplish this task with the LEAST amount of configuration?

A. Deploy the WebSocket API to three stages for the respective routes create, update, and remove
B. Create a new route key and set the name as action
C. Set the value of the route selection expression to action
D. Set the value of the route selection expression to $request.body action

Correct Answer: D

QUESTION 4

A developer is using AWS CodeDeploy to deploy an application running on Amazon EC2. The developer wants to change the file permissions for a specific deployment file. Which lifecycle event should a developer use to meet this requirement?
A. AfterInstall
B. DownloadBundle
C. BeforeInstall
D. ValtdateService

Correct Answer: A

QUESTION 5

A developer is trying to monitor an application's status by running a cron job that returns 1 if the service is up and 0 if the service is down. The developer created code that uses an AWS CLI putmetric-alarm command to publish the custom metrics to Amazon CloudWatch and create an alarm
However the developer is unable to create an alarm as the custom metrics do not appear m the CloudWatch console.
What is causing this issue?
A. Sending custom metrics using the CLI is not supported
B. The developer needs to use the put-metric-data command.
C. The developer must use a unified CloudWatch agent to publish custom metrics
D. The code is not running on an Amazon EC2 instance

Correct Answer: B

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