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QUESTION 1

A Developer wants to use AWS X-Ray to trace a user request end-to-end throughout the software stack. The Developer made the necessary changes in the application tested it, and found that the application is able to send the traces to AWS X-Ray. However, when the application is deployed to an EC2 instance, the traces are not available.

Which of the following could create this situation? (Select two.)

- A. The traces are reaching X-Ray, but the Developer does not have access to view the records.
- B. The X-Ray daemon is not installed on the EC2 instance.
- C. The X-Ray endpoint specified in the application configuration is incorrect.
- D. The instance role does not have "xray:BatchGetTraces" and "xray:GetTraceGraph" permissions.
- E. The instance role does not have "xray:PutTraceSegments" and "xray:PutTelemetryRecords" permissions.

Correct Answer: BE

QUESTION 2

A company wants to containerize an existing three-tier web application and deploy it to Amazon ECS Fargate. The application is using session data to keep track of user activities. Which approach would provide the BEST user experience?

- A. Provision a Redis cluster in Amazon ElastiCache and save the session data in the cluster.
- B. Create a session table in Amazon Redshift and save the session data in the database table.
- C. Enable session stickiness in the existing Network Load Balancer and manage the session data in the container.
- D. Use an Amazon S3 bucket as data store and save the session data in the bucket.

Correct Answer: C

QUESTION 3

A developer is building an application on Amazon EC2. The developer encountered an "Access Denied" error on some of the API calls to AWS services while testing. The developer needs to modify permissions that have been already given to the instance. How can these requirements be met with minimal changes and minimum downtime?

- A. Make a new IAM role with the needed permissions. Stop the instance. Attach the new IAM role to the instance. Start the instance.
- B. Delete the existing IAM role. Attach a new IAM role with the needed permissions.
- C. Stop the instance. Update the attached IAM role adding the needed permissions. Start the instance.
- D. Update the attached IAM role adding the needed permissions.



Correct Answer: D

QUESTION 4

A company has a REST application comprised of an Amazon API Gateway and several AWS Lambda functions. A developer is responding to an alert that the API Gateway's HTTP response error rate has unexpectedly increased. The developer must determine which Lambda function is malfunctioning.

Which method would help the developer make this determination while minimizing delays?

- A. Execute an Amazon Athena query against the API Gateway and Lambda execution logs.
- B. Execute an Amazon CloudWatch Logs Insights query against the API Gateway and Lambda execution logs.
- C. Download the API Gateway and Lambda execution logs from Amazon S3, and perform a line-by-line search against them.
- D. Download the API Gateway and Lambda execution logs from Amazon CloudWatch Events, and perform line-by-line search against them.

Correct Answer: D

QUESTION 5

A company is using continuous integration and continuous delivery systems. A Developer now needs to automate a software package deployment to both Amazon EC2 instances and virtual servers running on-premises. Which AWS service should be used to accomplish this?

- A. AWS CodePipeline
- B. AWS CodeBuild
- C. AWS Elastic Beanstalk
- D. AWS CodeDeploy

Correct Answer: D

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