DVA-C01^{Q&As}

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QUESTION 1

An application has hundreds of users. Each user may use multiple devices to access the application. The Developer wants to assign unique identifiers to these users regardless of the device they use. Which of the following methods should be used to obtain unique identifiers?

A. Create a user table in Amazon DynamoDB as key-value pairs of users and their devices. Use these keys as unique identifiers.

B. Use IAM-generated access key IDs for the users as the unique identifier, but do not store secret keys.

C. Implement developer-authenticated identities by using Amazon Cognito, and get credentials for these identities.

D. Assign IAM users and roles to the users. Use the unique IAM resource ID as the unique identifier.

Correct Answer: C

QUESTION 2

A developer works in an environment with multiple AWS accounts that have AWS Lambda functions processing the same 100 KB payloads. The developer wants to centralize the point of origin of the payloads to one account and have all the Lambda functions be invoked whenever the initiating event occurs in the parent account.

How can the developer design the workflow in the MOST efficient way, so all the multi-account Lambda functions get invoked when the event occurs?

A. Create a Lambda function in the parent account and use cross-account IAM roles with the AWS Security Token Service (AWS STS) AssumeRole API call to make AWS Lambda invoke the API call to invoke all the cross-account Lambda functions.

B. Subscribe all the multi-account Lambda functions to an Amazon SNS topic and make a SNS Publish API call with the payload to the SNS topic.

C. Set up an Amazon SQS queue with the queue policy permitting the ReceiveMessage action for multi-account Lambda functions. Then send the payload to the SQS queue using the sqs:SendMessage permission and poll the queue using multi-account Lambda functions.

D. Use a worker on an Amazon EC2 instance to poll for the payload event. Invoke all Lambda functions using the Lambda Invoke API after using cross-account IAM roles with the AWS Security Token Service (AWS STS) AssumeRole API call.

Correct Answer: D

QUESTION 3

A company has a legacy application that was migrated to a fleet of Amazon EC2 instances. The application stores data in a MySQL database that is currently installed on a single EC2 instance The company has decided to migrate the database from the EC2 instance to MySQL on Amazon RDS.

What should the developer do to update the application to support data storage in Amazon RDS?

A. Update the database connection parameters in the application to point to the new RDS instance

B. Add a script to the EC2 instance that implements an AWS SDK for requesting database credentials.

C. Create a new EC2 instance with an IAM role that allows access to the new RDS database

D. Create an AWS Lambda function that will route traffic from the EC2 instance to the RDS database.

Correct Answer: A

QUESTION 4

What type of block cipher does Amazon S3 offer for server side encryption?

A. Triple DES

B. Advanced Encryption Standard

C. Blowfish

D. RC5

Correct Answer: B

https://docs.aws.amazon.com/AmazonS3/latest/dev/serv-side-encryption.html

QUESTION 5

A Developer wants to use AWS X-Ray to trace a user request end-to-end throughput 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

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