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QUESTION 1

A company is migrating its PostgreSQL database into the AWS Cloud. The company wants to use a database that will secure and regularly rotate database credentials. The company wants a solution that does not require additional programming overhead.

Which solution will meet these requirements?

A. Use Amazon Aurora PostgreSQL for the database. Store the database credentials in AWS Systems Manager Parameter Store. Turn on rotation.

B. Use Amazon Aurora PostgreSQL for the database. Store the database credentials in AWS Secrets Manager. Turn on rotation.

C. Use Amazon DynamoDB for the database. Store the database credentials in AWS Systems Manager Parameter Store. Turn on rotation.

D. Use Amazon DynamoDB for the database. Store the database credentials in AWS Secrets Manager. Turn on rotation.

Correct Answer: B

QUESTION 2

A company uses AWS CloudFormation to deploy an application that uses an Amazon API Gateway REST API with AWS Lambda function integration. The application uses Amazon DynamoDB for data persistence. The application has three stages: development, testing, and production. Each stage uses its own DynamoDB table.

The company has encountered unexpected issues when promoting changes to the production stage. The changes were successful in the development and testing stages. A developer needs to route 20% of the traffic to the new production stage API with the next production release. The developer needs to route the remaining 80% of the traffic to the existing production stage. The solution must minimize the number of errors that any single customer experiences.

Which approach should the developer take to meet these requirements?

A. Update 20% of the planned changes to the production stage. Deploy the new production stage. Monitor the results. Repeat this process five times to test all planned changes.

B. Update the Amazon Route 53 DNS record entry for the production stage API to use a weighted routing policy. Set the weight to a value of 80. Add a second record for the production domain name. Change the second routing policy to a weighted routing policy. Set the weight of the second policy to a value of

20. Change the alias of the second policy to use the testing stage API.

C. Deploy an Application Load Balancer (ALB) in front of the REST API. Change the production API Amazon Route 53 record to point traffic to the ALB. Register the production and testing stages as targets of the ALB with weights of 80% and 20%, respectively.

D. Configure canary settings for the production stage API. Change the percentage of traffic directed to canary deployment to 20%. Make the planned updates to the production stage. Deploy the changes

Correct Answer: D

QUESTION 3

A developer is creating a new application for a pet store. The application will manage customer rewards points. The developer will use Amazon DynamoDB to store the data for the application. The developer needs to optimize query performance and limit partition overload before actual performance analysis.

Which option should the developer use for a partition key to meet these requirements?

A. A randomly generated universally unique identifier (UUID)

B. The customer\'s full name

C. The date when the customer signed up for the rewards program

D. The name of the customer\'s pet

Correct Answer: A

QUESTION 4

A company stores all personally identifiable information (PII) in an Amazon DynamoDB table named PII in Account A. Developers are working on an application that is running on Amazon EC2 instances in Account B. The application in

Account B requires access to the PII table.

An administrator in Account A creates an IAM role named AccessPII that has permission to access the PII table. The administrator also creates a trust policy that specifies Account B as a principal that can assume the role.

Which combination of steps should the developers take in Account B to allow their application to access the PII table? (Choose two.)

A. Allow the EC2 IAM role the permission to assume the AccessPII role.

B. Allow the EC2 IAM role the permission to access the PII table.

C. Include the AWS API in the application code logic to obtain temporary credentials from the EC2 IAM role to access the PII table.

D. Include the AssumeRole API operation in the application code logic to obtain temporary credentials to access the PII table.

E. Include the GetSessionToken API operation in the application code logic to obtain temporary credentials to access the PII table.

Correct Answer: AD

QUESTION 5

An AWS Lambda function requires read access to an Amazon S3 bucket and requires read/write access to an Amazon DynamoDB table. The correct IAM policy already exists.

What is the MOST secure way to grant the Lambda function access to the S3 bucket and the DynamoDB table?

A. Attach the existing IAM policy to the Lambda function.

B. Create an IAM role for the Lambda function. Attach the existing IAM policy to the role. Attach the role to the Lambda function.

C. Create an IAM user with programmatic access. Attach the existing IAM policy to the user. Add the user access key ID and secret access key as environment variables in the Lambda function.

D. Add the AWS account root user access key ID and secret access key as encrypted environment variables in the Lambda function.

Correct Answer: B

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