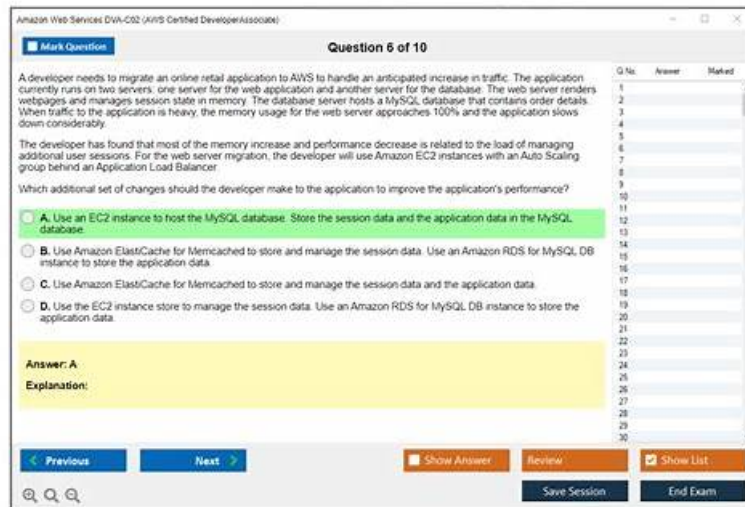


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2026 Amazon AWS Certified Developer - Associate

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Amazon AWS Certified Developer - Associate Sample Questions (Q160-Q165):

NEW QUESTION # 160

A company hosts its application on AWS. The application runs on an Amazon Elastic Container Service (Amazon ECS) cluster that uses AWS Fargate. The cluster runs behind an Application Load Balancer. The application stores data in an Amazon Aurora database. A developer encrypts and manages database credentials inside the application. The company wants to use a more secure credential storage method and implement periodic credential rotation. Which solution will meet these requirements with the LEAST operational overhead?

- A. Migrate the credentials to AWS Secrets Manager. Encrypt the credentials by using an AWS Key Management Service (AWS KMS) key. Turn on secret rotation. Use IAM policies and roles to grant Amazon ECS Fargate permissions to access to AWS Secrets Manager by using keys.
- B. Migrate the credentials to AWS Systems Manager Parameter Store. Encrypt the parameter by using an AWS Key Management Service (AWS KMS) key. Turn on secret rotation. Use IAM policies and roles to grant Amazon ECS Fargate permissions to access to AWS Secrets Manager.
- **C. Migrate the credentials to ECS Fargate environment variables. Encrypt the credentials by using an AWS Key Management Service (AWS KMS) key. Turn on secret rotation. Use IAM policies and roles to grant Amazon ECS Fargate permissions to access to AWS Secrets Manager.**
- D. Migrate the secret credentials to Amazon RDS parameter groups. Encrypt the parameter by using an AWS Key Management Service (AWS KMS) key. Turn on secret rotation. Use IAM policies and roles to grant AWS KMS permissions to access Amazon RDS.

Answer: C

NEW QUESTION # 161

A company's developer needs to activate Amazon CloudWatch Logs Insights for an application's AWS Lambda functions. The company uses an AWS Serverless Application Model (AWS SAM) template to deploy the application. The SAM template includes a logical resource that is named CloudWatchLogGroup.

How should the developer modify the SAM template to activate CloudWatch Logs Insights for the Lambda functions?

- A. Add a parameter named CloudWatchLogGroupNamePrefix that contains a value of the application name. Reference the new parameter in the CloudWatchLogGroup resource.
- B. Add an output named CloudWatchInsightRule that contains a value of the Amazon Resource Name (ARN) for the CloudWatchLogGroup resource.
- C. For each Lambda function, set Tracing mode to Active and add the CloudWatchLambdaInsightsExecutionRolePolicy AWS managed policy.
- **D. For each Lambda function, add the layer for the Lambda Insights extension and the CloudWatchLambdaInsightsExecutionRolePolicy AWS managed policy.**

Answer: D

Explanation:

To enable CloudWatch Logs Insights for AWS Lambda functions, you need to integrate Lambda Insights, which provides detailed metrics and logs for your Lambda functions, including enhanced monitoring, application tracing, and performance metrics. This can be done by adding the appropriate Lambda Insights extension and assigning the necessary IAM policies to the Lambda function. Adding the Lambda Insights extension layer: This extension allows Lambda to send enhanced metrics and logs to CloudWatch for analysis with CloudWatch Logs Insights.

Adding the CloudWatchLambdaInsightsExecutionRolePolicy managed policy: This policy grants the necessary permissions for Lambda functions to send their logs and metrics to CloudWatch.

NEW QUESTION # 162

A development team maintains a web application by using a single AWS CloudFormation template. The template defines web servers and an Amazon RDS database. The team uses the Cloud Formation template to deploy the Cloud Formation stack to different environments.

During a recent application deployment, a developer caused the primary development database to be dropped and recreated. The result of this incident was a loss of data. The team needs to avoid accidental database deletion in the future.

Which solutions will meet these requirements? (Choose two.)

- A. Create a CloudFormation stack set for the web application and database deployments.
- **B. Add a CloudFormation Deletion Policy attribute with the Retain value to the database resource.**
- C. Modify the database to use a Multi-AZ deployment.
- **D. Update the CloudFormation stack policy to prevent updates to the database.**

- E. Add a CloudFormation DeletionPolicy attribute with the Retain value to the stack.

Answer: B,D

Explanation:

AWS CloudFormation is a service that enables developers to model and provision AWS resources using templates. The developer can add a CloudFormation Deletion Policy attribute with the Retain value to the database resource. This will prevent the database from being deleted when the stack is deleted or updated. The developer can also update the CloudFormation stack policy to prevent updates to the database. This will prevent accidental changes to the database configuration or properties.

Reference:

[What Is AWS CloudFormation? - AWS CloudFormation]

[DeletionPolicy Attribute - AWS CloudFormation]

[Protecting Resources During Stack Updates - AWS CloudFormation]

NEW QUESTION # 163

A company is providing read access to objects in an Amazon S3 bucket for different customers. The company uses IAM permissions to restrict access to the S3 bucket. The customers can access only their own files.

Due to a regulation requirement, the company needs to enforce encryption in transit for interactions with Amazon S3.

Which solution will meet these requirements?

- A. Add a bucket policy to the S3 bucket to deny S3 actions when the aws:SecureTransport condition is equal to false.
- B. Add a bucket policy to the S3 bucket to deny S3 actions when the s3:x-amz-acl condition is equal to public-read.
- C. Add an IAM policy to the IAM users to enforce the usage of the AWS SDK.
- D. Add an IAM policy to the IAM users that allows S3 actions when the s3:x-amz-acl condition is equal to bucket-owner-read.

Answer: A

NEW QUESTION # 164

A developer must analyze performance issues with production-distributed applications written as AWS Lambda functions. These distributed Lambda applications invoke other components that make up the applications. How should the developer identify and troubleshoot the root cause of the performance issues in production?

- A. Add logging statements to the Lambda functions, then use Amazon CloudWatch to view the logs.
- B. Run Amazon Inspector agents and then analyze performance.
- C. Use AWS X-Ray, then examine the segments and errors.
- D. Use AWS CloudTrail and then examine the logs.

Answer: C

Explanation:

This solution will meet the requirements by using AWS X-Ray to analyze and debug the performance issues with the distributed Lambda applications. AWS X-Ray is a service that collects data about requests that the applications serve, and provides tools to view, filter, and gain insights into that data. The developer can use AWS X-Ray to identify the root cause of the performance issues by examining the segments and errors that show the details of each request and the components that make up the applications.

Option A is not optimal because it will use logging statements and Amazon CloudWatch, which may not provide enough information or visibility into the distributed applications. Option B is not optimal because it will use AWS CloudTrail, which is a service that records API calls and events for AWS services, not application performance data. Option D is not optimal because it will use Amazon Inspector, which is a service that helps improve the security and compliance of applications on Amazon EC2 instances, not Lambda functions.

NEW QUESTION # 165

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