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Amazon DVA-C02 is the latest version of the AWS Certified Developer - Associate exam. AWS Certified Developer - Associate certification targets professionals who have experience in developing and maintaining AWS-based applications. DVA-C02 exam

validates their skills and knowledge in designing, developing, deploying, and maintaining applications on AWS. The updated version of the exam reflects the latest AWS services and features, including AWS Lambda, Amazon API Gateway, Amazon DynamoDB, and Amazon SQS.

Amazon DVA-C02 (AWS Certified Developer - Associate) Exam is a certification exam designed for individuals who are interested in becoming certified developers on the Amazon Web Services (AWS) platform. DVA-C02 exam is intended for individuals who have experience in developing and maintaining applications on AWS, as well as those who have a solid understanding of AWS services and architecture. The DVA-C02 exam validates an individual's ability to design, develop, and deploy cloud-based solutions using AWS services and tools.

## Amazon AWS Certified Developer - Associate Sample Questions (Q149-Q154):

### NEW QUESTION # 149

A developer needs to troubleshoot an AWS Lambda function in a development environment. The Lambda function is configured in VPC mode and needs to connect to an existing Amazon RDS for SOL Server DB instance. The DB instance is deployed in a private subnet and accepts connections by using port 1433.

When the developer tests the function, the function reports an error when it tries to connect to the database.

Which combination of steps should the developer take to diagnose this issue? (Select TWO.)

- A. Check that the function's security group has Inbound access on port 1433 from the DB Instance's security group. Check that the DB instance's security group has outbound access on port 1433 to the function's security group.
- B. Check that the function's execution role permissions include rds:DescribeDBInstances, rds:ModifyDB Instance, and rds:DescribeDBSecurityGroups for the DB instance.
- C. Check that the function's execution role permissions include ec2:CreateNetworkInterface, ec2:DescribeNetworkInterfaces, and ec2:DeleteNetworkInterface.
- D. Check that the VPC is set up for a NAT gateway. Check that the DB instance has the public access option turned on.
- E. Check that the function's security group has outbound access on port 1433 to the DB instance's security group. Check that the DB instance's security group has inbound access on port 1433 from the function's security group.

**Answer: C,E**

### NEW QUESTION # 150

A developer maintains an Amazon API Gateway REST API. Customers use the API through a frontend UI and Amazon Cognito authentication.

The developer has a new version of the API that contains new endpoints and backward-incompatible interface changes. The developer needs to provide beta access to other developers on the team without affecting customers.

Which solution will meet these requirements with the LEAST operational overhead?

- A. Define a new API Gateway API that points to the new API application code. Instruct the other developers to point the endpoints to the new API.
- B. Specify new API Gateway endpoints for the API endpoints that the developer wants to add.
- C. Implement a query parameter in the API application code that determines which code version to call.
- D. Define a development stage on the API Gateway API. Instruct the other developers to point the endpoints to the development stage.

**Answer: D**

Explanation:

Explanation

Amazon API Gateway is a service that enables developers to create, publish, maintain, monitor, and secure APIs at any scale. The developer can define a development stage on the API Gateway API and instruct the other developers to point the endpoints to the development stage. This way, the developer can provide beta access to the new version of the API without affecting customers who use the production stage. This solution will meet the requirements with the least operational overhead.

References:

[What Is Amazon API Gateway? - Amazon API Gateway]

[Set up a Stage in API Gateway - Amazon API Gateway]

### NEW QUESTION # 151

A developer uses AWS IAM Identity Center to interact with the AWS CLI and AWS SDKs on a local workstation. API calls to AWS services were working when the SSO access was first configured. However, the developer is now receiving Access Denied errors. The developer has not changed any configuration files or scripts that were previously working on the workstation. What is the MOST likely cause of the developer's access issue?

- A. The access permissions to the developer's AWS CLI binary file have changed.
- B. The developer is attempting to make API calls to the incorrect AWS account.
- C. The permission set that is assumed by IAM Identity Center does not have the necessary permissions to complete the API call.
- D. The credentials from the IAM Identity Center federated role have expired.

**Answer: D**

### NEW QUESTION # 152

A company is building a serverless application that uses AWS Lambda functions. The company needs to create a set of test events to test Lambda functions in a development environment. The test events will be created once and then will be used by all the developers in an IAM developer group. The test events must be editable by any of the IAM users in the IAM developer group. Which solution will meet these requirements?

- A. Create the test events. Configure the event sharing settings to make the test events shareable.
- B. Create and store the test events in Amazon S3 as JSON objects. Allow S3 bucket access to all IAM users.
- C. Create and store the test events in Amazon DynamoDB. Allow access to DynamoDB by using IAM roles.
- D. Create the test events. Configure the event sharing settings to make the test events private.

**Answer: A**

### NEW QUESTION # 153

A company notices that credentials that the company uses to connect to an external software as a service (SaaS) vendor are stored in a configuration file as plaintext.

The developer needs to secure the API credentials and enforce automatic credentials rotation on a quarterly basis.

Which solution will meet these requirements MOST securely?

- A. Store the credentials in AWS Secrets Manager and enable rotation. Configure the API to have Secrets Manager access.
- B. Store the credentials in AWS Systems Manager Parameter Store and enable rotation. Retrieve the credentials when users make API calls to the SaaS vendor.
- C. Retrieve temporary credentials from AWS Security Token Service (AWS STS) every 15 minutes. Use the temporary credentials when users make API calls to the SaaS vendor.
- D. Use AWS Key Management Service (AWS KMS) to encrypt the configuration file. Decrypt the configuration file when users make API calls to the SaaS vendor. Enable rotation.

**Answer: A**

Explanation:

Store the credentials in AWS Secrets Manager and enable rotation. Configure the API to have Secrets Manager access. This is correct. This solution will meet the requirements most securely, because it uses a service that is designed to store and manage secrets such as API credentials. AWS Secrets Manager helps you protect access to your applications, services, and IT resources by enabling you to rotate, manage, and retrieve secrets throughout their lifecycle<sup>1</sup>. You can store secrets such as passwords, database strings, API keys, and license codes as encrypted values<sup>2</sup>. You can also configure automatic rotation of your secrets on a schedule that you specify<sup>3</sup>. You can use the AWS SDK or CLI to retrieve secrets from Secrets Manager when you need them<sup>4</sup>. This way, you can avoid storing credentials in plaintext files or hardcoding them in your code.

The blue/green method creates a new environment with a new set of instances and deploys the new version to them. Then, it swaps the URLs between the old and new environments. This method maintains full capacity and avoids service interruption, but it also increases the cost of additional resources significantly, because it duplicates the entire environment.

### NEW QUESTION # 154

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