

# AWS-Certified-Developer-Associate actual test - AWS-Certified-Developer-Associate test questions & AWS-Certified-Developer-Associate actual exam



## AWS Certified Developer – Associate (DVA-C01) Sample Exam Questions

1) A company is migrating a legacy application to Amazon EC2. The application uses a user name and password stored in the source code to connect to a MySQL database. The database will be migrated to an Amazon RDS for MySQL DB instance. As part of the migration, the company wants to implement a secure way to store and automatically rotate the database credentials.

Which approach meets these requirements?

- A) Store the database credentials in environment variables in an Amazon Machine Image (AMI). Rotate the credentials by replacing the AMI.
- B) Store the database credentials in AWS Systems Manager Parameter Store. Configure Parameter Store to automatically rotate the credentials.
- C) Store the database credentials in environment variables on the EC2 instances. Rotate the credentials by relaunching the EC2 instances.
- D) Store the database credentials in AWS Secrets Manager. Configure Secrets Manager to automatically rotate the credentials.

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The AWS-Developer exam is also known as the AWS Certified Developer - Associate exam. It is one of the most popular AWS certification exams, and passing it demonstrates that you have the skills and knowledge necessary to develop and maintain applications on AWS. AWS Certified Developer Associate Exam (DVA-C02) certification is important for developers who work with AWS, as it can help them stand out in a competitive job market.

## Amazon AWS Certified Developer Associate Exam (DVA-C02) Sample Questions (Q256-Q261):

### NEW QUESTION # 256

A user is planning to use EBS for his DB requirement. The user already has an EC2 instance running in the VPC private subnet. How can the user attach the EBS volume to a running instance?

- A. The user must create EBS within the same VPC and then attach it to a running instance.
- B. The user can specify the same subnet while creating EBS and then attach it to a running instance.
- C. The user can create EBS in the same zone as the subnet of instance and attach that EBS to instance.
- D. It is not possible to attach an EBS to an instance running in VPC until the instance is stopped.

**Answer: C**

Explanation:

A Virtual Private Cloud (VPC) is a virtual network dedicated to the user's AWS account. The user can create subnets as per the requirement within a VPC. The VPC is always specific to a region. The user can create a VPC which can span multiple Availability Zones by adding one or more subnets in each Availability Zone.

The instance launched will always be in the same availability zone of the respective subnet. When creating an EBS the user cannot specify the subnet or VPC. However, the user must create the EBS in the same zone as the instance so that it can attach the EBS volume to the running instance.

Reference: [http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_Subnets.html#VPCSubnet](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html#VPCSubnet)

#### NEW QUESTION # 257

What item operation allows the retrieval of multiple items from a DynamoDB table in a single API call?

- A. BatchGetItem
- B. GetMultipleItems
- C. GetItem
- D. GetItemRange

**Answer: A**

#### NEW QUESTION # 258

A user is trying to understand AWS SNS. To which of the below mentioned end points is SNS unable to send a notification?

- A. AWS SQS
- B. HTTP
- C. Email JSON
- D. AWS SES

**Answer: D**

Explanation:

Amazon Simple Notification Service (Amazon SNS) is a fast, flexible, and fully managed push messaging service. Amazon SNS can deliver notifications by SMS text message or email to the Amazon Simple Queue Service (SQS) queues or to any HTTP endpoint. The user can select one the following transports as part of the subscription requests: "HTTP", "HTTPS", "Email", "Email-JSON", "SQS", "and SMS".

Reference: <http://aws.amazon.com/sns/faqs/>

#### NEW QUESTION # 259

A social media company is designing a platform that allows users to upload data, which is stored in Amazon S3. Users can upload data encrypted with a public key. The company wants to ensure that only the company can decrypt the uploaded content using an asymmetric encryption key. The data must always be encrypted in transit and at rest.

Options:

- A. Use server-side encryption with Amazon S3 managed keys (SSE-S3) to encrypt the data.
- B. Use client-side encryption with a data key to encrypt the data.
- C. Use client-side encryption with a customer-managed encryption key to encrypt the data.
- D. Use server-side encryption with customer-provided encryption keys (SSE-C) to encrypt the data.

**Answer: C**

Explanation:

Step 1: Problem Understanding

- \* Asymmetric Encryption Requirement: Users encrypt data with a public key, and only the company can decrypt it using a private key.

- \* Data Encryption at Rest and In Transit: The data must be encrypted during upload (in transit) and when stored in Amazon S3 (at rest).

Step 2: Solution Analysis

- \* Option A: Server-side encryption with Amazon S3 managed keys (SSE-S3).

- \* Amazon S3 manages the encryption and decryption keys.

- \* This does not meet the requirement for asymmetric encryption, where the company uses a private key.

- \* Not suitable.

- \* Option B: Server-side encryption with customer-provided keys (SSE-C).

- \* Requires the user to supply encryption keys during the upload process.

- \* Does not align with the asymmetric encryption requirement.

- \* Not suitable.

- \* Option C: Client-side encryption with a data key.

- \* Data key encryption is symmetric, not asymmetric.

- \* Does not satisfy the requirement for a public-private key pair.

- \* Not suitable.

- \* Option D: Client-side encryption with a customer-managed encryption key.

- \* Data is encrypted on the client side using the public key.

- \* Only the company can decrypt the data using the corresponding private key.

- \* Data remains encrypted during upload (in transit) and in S3 (at rest).

- \* Correct option.

Step 3: Implementation Steps for Option D

- \* Generate Key Pair:

- \* The company generates an RSA key pair (public/private) for encryption and decryption.

- \* Encrypt Data on Client Side:

- \* Use the public key to encrypt the data before uploading to S3.

- \* S3 Upload:

- \* Upload the encrypted data to S3 over an HTTPS connection.

- \* Decrypt Data on the Server:

- \* Use the private key to decrypt data when needed.

AWS Developer References:

- \* Amazon S3 Encryption Options

- \* Asymmetric Key Cryptography in AWS

## NEW QUESTION # 260

How can software determine the public and private IP addresses of the Amazon EC2 instance that it is running on?

- A. Use ipconfig or ifconfig command.
- **B. Query the local instance metadata.**
- C. Query the appropriate Amazon CloudWatch metric.
- D. Query the local instance userdata.

**Answer: B**

## NEW QUESTION # 261

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