

# Certification AWS-Developer Test Questions - AWS-Developer Reliable Exam Questions



## 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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Amazon AWS-Certified-Developer-Associate (AWS Certified Developer - Associate) exam is a certification that validates the skills and knowledge of developers working with Amazon Web Services (AWS) technology. AWS-Developer Exam is designed to assess the candidate's ability to develop and maintain AWS-based applications. It is one of the most sought-after certifications in the IT industry, as it demonstrates the candidate's proficiency in building scalable, reliable, and secure applications on AWS.

To be eligible to take the AWS Certified Developer-Associate Certification Exam, candidates must have at least one year of experience in developing and maintaining AWS-based applications. They should also have a good understanding of at least one programming language, such as Java, Python, or Ruby. Additionally, candidates should have a working knowledge of AWS services such as Amazon Simple Storage Service (S3), Amazon Elastic Compute Cloud (EC2), and Amazon Relational Database Service (RDS).

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## Amazon AWS Certified Developer Associate Exam (DVA-C02) Sample Questions (Q226-Q231):

### NEW QUESTION # 226

A Developer has an application that can upload tens of thousands of objects per second to Amazon S3 in parallel within a single AWS account. As part of new requirements, data stored in S3 must use server side encryption with AWS KMS (SSE-KMS). After creating this change, performance of the application is slower.

Which of the following is MOST likely the cause of the application latency?

- A. Amazon S3 throttles the rate at which uploaded objects can be encrypted using Customer Master Keys.

- B. The client encryption of the objects is using a poor algorithm.
- C. KMS requires that an alias be used to create an independent display name that can be mapped to a CMK.
- D. The AWS KMS API calls limit is less than needed to achieve the desired performance.

**Answer: D**

#### NEW QUESTION # 227

A user has created a snapshot of an EBS volume. Which of the below mentioned usage cases is not possible with respect to a snapshot?

- A. Decrease the volume size
- B. Mirroring the volume from one AZ to another AZ
- C. Launch an instance
- D. Increase the size of the volume

**Answer: A**

Explanation:

The EBS snapshots are a point in time backup of the volume. It is helpful to move the volume from one AZ to another or launch a new instance. The user can increase the size of the volume but cannot decrease it less than the original snapshot size.

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSSnapshots.html>

#### NEW QUESTION # 228

A company has an application that runs across multiple AWS Regions. The application is experiencing performance issues at irregular intervals. A developer must use AWS X-Ray to implement distributed tracing for the application to troubleshoot the root cause of the performance issues.

What should the developer do to meet this requirement?

- A. Use Region annotation that X-Ray adds automatically for AWS services Add Region annotation for user-defined services
- B. Use the X-Ray daemon to add annotations for AWS services and user-defined services
- C. Use Region annotation that X-Ray adds automatically for user-defined services Configure X-Ray to add Region annotation for AWS services
- D. Use the X-Ray console to add annotations for AWS services and user-defined services

**Answer: A**

Explanation:

\* Distributed Tracing with X-Ray: X-Ray helps visualize request paths and identify bottlenecks in applications distributed across Regions.

\* Region Annotations (Automatic for AWS Services): X-Ray automatically adds a Region annotation to segments representing calls to AWS services. This aids in tracing cross-Region traffic.

\* Region Annotations (Manual for User-Defined): For segments representing calls to user-defined services in different Regions, the developer needs to add the Region annotation manually to enable comprehensive tracing.

References:

AWS X-Ray: <https://aws.amazon.com/xray/>

#### NEW QUESTION # 229

A developer has written a distributed application that uses micro services. The microservices are running on Amazon EC2 instances. Because of message volume, the developer is unable to match log output from each microservice to a specific transaction. The developer needs to analyze the message flow to debug the application.

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

- A. Download the AWS X-Ray daemon. Install the daemon on an EC2 instance. Ensure that the EC2 instance allows UDP traffic on port 2000.
- B. Add the AWS X-Ray software development kit (SDK) to the microservices. Use X-Ray to trace requests that each microservice makes.
- C. Set up Amazon CloudWatch metric streams to collect streaming data from the microservices.
- D. Enable AWS X-Ray. Configure Amazon CloudWatch to push logs to X-Ray.

- E. Configure an interface VPC endpoint to allow traffic to reach the global AWS X-Ray daemon on TCP port 2000.

**Answer: A,B**

### NEW QUESTION # 230

A developer needs to modify an application architecture to meet new functional requirements. Application data is stored in Amazon DynamoDB and processed for analysis in a highly batch. The system analysts do not want to wait until the next day to view the processed data and have asked to have it available in near-real time.

Which application architect pattern would enable the data to be processed as it is received?

- A. Fan-out driven
- B. Evert driven
- C. Client served driven
- D. Schedule driven

**Answer: B**

## NEW QUESTION # 231

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