



# DAS-C01<sup>Q&As</sup>

AWS Certified Data Analytics - Specialty (DAS-C01)

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### QUESTION 1

A retail company uses Amazon Aurora MySQL for its operational data store and Amazon Redshift for its data warehouse. The MySQL database resides in a different VPC than the Redshift cluster. Data analysts need to query data in both MySQL and Amazon Redshift to provide business insights. The company wants the lowest network latency between the two VPCs.

Which combination of solutions meet these requirements? (Choose two.)

- A. Set up VPC peering between the MySQL VPC and the Redshift VPC.
- B. Set up a transit gateway to connect the MySQL VPC with the Redshift VPC.
- C. Use a Redshift federated query to retrieve live data from the MySQL database. Create a late-binding view to combine the MySQL data with the Redshift data.
- D. Use Amazon Redshift Spectrum to retrieve live data from the MySQL database. Create a late-binding view to combine the MySQL data with the Redshift data.
- E. Use the Redshift COPY command to constantly copy live data from MySQL to the Redshift cluster. Create a late-binding view to combine the MySQL data with the Redshift data.

Correct Answer: AC

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### QUESTION 2

A banking company is currently using Amazon Redshift for sensitive data. An audit found that the current cluster is unencrypted. Compliance requires that a database with sensitive data must be encrypted using a hardware security module (HSM) with customer managed keys.

Which modifications are required in the cluster to ensure compliance?

- A. Create a new HSM-encrypted Amazon Redshift cluster and migrate the data to the new cluster.
- B. Modify the DB parameter group with the appropriate encryption settings and then restart the cluster.
- C. Enable HSM encryption in Amazon Redshift using the command line.
- D. Modify the Amazon Redshift cluster from the console and enable encryption using the HSM option.

Correct Answer: A

When you modify your cluster to enable AWS KMS encryption, Amazon Redshift automatically migrates your data to a new encrypted cluster. Reference: <https://docs.aws.amazon.com/redshift/latest/mgmt/working-with-db-encryption.html>

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### QUESTION 3

A market data company aggregates external data sources to create a detailed view of product consumption in different countries. The company wants to sell this data to external parties through a subscription. To achieve this goal, the



company needs to make its data securely available to external parties who are also AWS users.

What should the company do to meet these requirements with the LEAST operational overhead?

- A. Store the data in Amazon S3. Share the data by using presigned URLs for security.
- B. Store the data in Amazon S3. Share the data by using S3 bucket ACLs.
- C. Upload the data to AWS Data Exchange for storage. Share the data by using presigned URLs for security.
- D. Upload the data to AWS Data Exchange for storage. Share the data by using the AWS Data Exchange sharing wizard.

Correct Answer: A

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#### QUESTION 4

A company's marketing and finance departments are storing data in Amazon S3 in their respective AWS accounts managed by AWS Organizations. Both departments use AWS Lake Formation to catalog and secure their data in Amazon S3. The finance department needs to share some tables with the marketing department for reporting purposes.

Which steps are required to complete this process? (Choose two.)

- A. The finance department grants Lake Formation permissions for the shared tables to the marketing department's AWS account.
- B. The finance department creates a cross-account IAM role with permission to access the shared tables.
- C. Users from the marketing department account assume a cross-account IAM role in the finance department account that has permission to access the shared tables.
- D. The marketing department creates a resource link to access the shared tables from the finance department.
- E. The finance department creates and shares a resource link with the marketing department to access the shared tables.

Correct Answer: BE

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#### QUESTION 5

An IoT company wants to release a new device that will collect data to track sleep overnight on an intelligent mattress. Sensors will send data that will be uploaded to an Amazon S3 bucket. About 2 MB of data is generated each night for each bed. Data must be processed and summarized for each user, and the results need to be available as soon as possible. Part of the process consists of time windowing and other functions. Based on tests with a Python script, every run will require about 1 GB of memory and will complete within a couple of minutes.

Which solution will run the script in the MOST cost-effective way?

- A. AWS Lambda with a Python script



B. AWS Glue with a Scala job

C. Amazon EMR with an Apache Spark script

D. AWS Glue with a PySpark job

Correct Answer: A

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