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QUESTION 1

You want to migrate your PostgreSQL database from another cloud provider to Cloud SQL. You plan on using Database Migration Service and need to assess the impact of any known limitations. What should you do? (Choose two.)

- A. Identify whether the database has over 512 tables.
- B. Identify all tables that do not have a primary key.
- C. Identify all tables that do not have at least one foreign key.
- D. Identify whether the source database is encrypted using pgcrypto extension.
- E. Identify whether the source database uses customer-managed encryption keys (CMEK).

Correct Answer: CE

QUESTION 2

Your organization has an existing app that just went viral. The app uses a Cloud SQL for MySQL backend database that is experiencing slow disk performance while using hard disk drives (HDDs). You need to improve performance and reduce disk I/O wait times.

What should you do?

- A. Export the data from the existing instance, and import the data into a new instance with solid-state drives (SSDs).
- B. Edit the instance to change the storage type from HDD to SSD.
- C. Create a high availability (HA) failover instance with SSDs, and perform a failover to the new instance.
- D. Create a read replica of the instance with SSDs, and perform a failover to the new instance

Correct Answer: C

QUESTION 3

You are designing a database architecture for a global application that stores information about public parks worldwide. The application uses the database for read-only purposes, and a centralized batch job updates the database nightly. You want to select an open source, SQL-compliant database. What should you do?

- A. Use Bigtable with multi-region clusters.
- B. Use Memorystore for Redis with multi-zones within a region.
- C. Use Cloud SQL for PostgreSQL with cross-region replicas.
- D. Use Cloud Spanner with multi-region configuration.

Correct Answer: C



QUESTION 4

Your organization operates in a highly regulated industry. Separation of concerns (SoC) and security principle of least privilege (PoLP) are critical. The operations team consists of:

Person A is a database administrator.

Person B is an analyst who generates metric reports.

Application C is responsible for automatic backups.

You need to assign roles to team members for Cloud Spanner. Which roles should you assign?

- A. roles/spanner.databaseAdmin for Person A roles/spanner.databaseReader for Person B roles/spanner.backupWriter for Application C
- B. roles/spanner.databaseAdmin for Person A roles/spanner.databaseReader for Person B roles/spanner.backupAdmin for Application C
- C. roles/spanner.databaseAdmin for Person A roles/spanner.databaseUser for Person B roles/spanner.databaseReader for Application C
- D. roles/spanner.databaseAdmin for Person A roles/spanner.databaseUser for Person B roles/spanner.backupWriter for Application C

Correct Answer: B

QUESTION 5

You are running an instance of Cloud Spanner as the backend of your ecommerce website. You learn that the quality assurance (QA) team has doubled the number of their test cases. You need to create a copy of your Cloud Spanner database in a new test environment to accommodate the additional test cases. You want to follow Google-recommended practices. What should you do?

- A. Use Cloud Functions to run the export in Avro format.
- B. Use Cloud Functions to run the export in text format.
- C. Use Dataflow to run the export in Avro format.
- D. Use Dataflow to run the export in text format.

Correct Answer: C

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