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QUESTION 1

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 2

You work for a financial services company that wants to use fully managed database services. Traffic volume for your consumer services products has increased annually at a constant rate with occasional spikes around holidays. You frequently need to upgrade the capacity of your database. You want to use Cloud Spanner and include an automated method to increase your hardware capacity to support a higher level of concurrency. What should you do?

- A. Use linear scaling to implement the Autoscaler-based architecture
- B. Use direct scaling to implement the Autoscaler-based architecture.
- C. Upgrade the Cloud Spanner instance on a periodic basis during the scheduled maintenance window.
- D. Set up alerts that are triggered when Cloud Spanner utilization metrics breach the threshold, and then schedule an upgrade during the scheduled maintenance window.

Correct Answer: C

QUESTION 3

You host an application in Google Cloud. The application is located in a single region and uses Cloud SQL for transactional data. Most of your users are located in the same time zone and expect the application to be available 7



days a week, from 6 AM to 10 PM. You want to ensure regular maintenance updates to your Cloud SQL instance without creating downtime for your users. What should you do?

- A. Configure a maintenance window during a period when no users will be on the system. Control the order of update by setting non-production instances to earlier and production instances to later.
- B. Create your database with one primary node and one read replica in the region.
- C. Enable maintenance notifications for users, and reschedule maintenance activities to a specific time after notifications have been sent.
- D. Configure your Cloud SQL instance with high availability enabled.

Correct Answer: A

QUESTION 4

You are configuring the networking of a Cloud SQL instance. The only application that connects to this database resides on a Compute Engine VM in the same project as the Cloud SQL instance. The VM and the Cloud SQL instance both use the same VPC network, and both have an external (public) IP address and an internal (private) IP address. You want to improve network security. What should you do?

- A. Disable and remove the internal IP address assignment.
- B. Disable both the external IP address and the internal IP address, and instead rely on Private Google Access.
- C. Specify an authorized network with the CIDR range of the VM.
- D. Disable and remove the external IP address assignment.

Correct Answer: B

QUESTION 5

You are setting up a Bare Metal Solution environment. You need to update the operating system to the latest version. You need to connect the Bare Metal Solution environment to the internet so you can receive software updates. What should you do?

- A. Setup a static external IP address in your VPC network.
- B. Set up bring your own IP (BYOIP) in your VPC.
- C. Set up a Cloud NAT gateway on the Compute Engine VM.
- D. Set up Cloud NAT service.

Correct Answer: C

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