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QUESTION 1

You are running a mission-critical application on a Cloud SQL for PostgreSQL database with a multi-zonal setup. The primary and read replica instances are in the same region but in different zones. You need to ensure that you split the application load between both instances. What should you do?

- A. Use Cloud Load Balancing for load balancing between the Cloud SQL primary and read replica instances.
- B. Use PgBouncer to set up database connection pooling between the Cloud SQL primary and read replica instances.
- C. Use HTTP(S) Load Balancing for database connection pooling between the Cloud SQL primary and read replica instances.
- D. Use the Cloud SQL Auth proxy for database connection pooling between the Cloud SQL primary and read replica instances.

Correct Answer: B

QUESTION 2

You are deploying a new Cloud SQL instance on Google Cloud using the Cloud SQL Auth proxy. You have identified snippets of application code that need to access the new Cloud SQL instance. The snippets reside and execute on an application server running on a Compute Engine machine. You want to follow Google-recommended practices to set up Identity and Access Management (IAM) as quickly and securely as possible. What should you do?

- A. For each application code, set up a common shared user account.
- B. For each application code, set up a dedicated user account.
- C. For the application server, set up a service account.
- D. For the application server, set up a common shared user account.

Correct Answer: B

QUESTION 3

You work in the logistics department. Your data analysis team needs daily extracts from Cloud SQL for MySQL to train a machine learning model. The model will be used to optimize next-day routes. You need to export the data in CSV format. You want to follow Google-recommended practices. What should you do?

- A. Use Cloud Scheduler to trigger a Cloud Function that will run a `select * from table(s)` query to call the `cloudsql.instances.export` API.
- B. Use Cloud Scheduler to trigger a Cloud Function through Pub/Sub to call the `cloudsql.instances.export` API.
- C. Use Cloud Composer to orchestrate an export by calling the `cloudsql.instances.export` API.
- D. Use Cloud Composer to execute a `select * from table(s)` query and export results.

Correct Answer: A



QUESTION 4

Your hotel booking company is expanding into Country A, where personally identifiable information (PII) must comply with regional data residency requirements and audits. You need to isolate customer data in Country A from the rest of the customer data. You want to design a multi-tenancy strategy to efficiently manage costs and operations. What should you do?

- A. Apply a schema data management pattern.
- B. Apply an instance data management pattern.
- C. Apply a table data management pattern.
- D. Apply a database data management pattern.

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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