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QUESTION 1

Your application follows a microservices architecture and uses a single large Cloud SQL instance, which is starting to have performance issues as your application grows. In the Cloud Monitoring dashboard, the CPU utilization looks normal. You want to follow Google-recommended practices to resolve and prevent these performance issues while avoiding any major refactoring. What should you do?

- A. Use Cloud Spanner instead of Cloud SQL.
- B. Increase the number of CPUs for your instance.
- C. Increase the storage size for the instance.
- D. Use many smaller Cloud SQL instances.

Correct Answer: A

QUESTION 2

You are designing a highly available (HA) Cloud SQL for PostgreSQL instance that will be used by 100 databases. Each database contains 80 tables that were migrated from your on-premises environment to Google Cloud. The applications that use these databases are located in multiple regions in the US, and you need to ensure that read and write operations have low latency. What should you do?

- A. Deploy 2 Cloud SQL instances in the us-central1 region with HA enabled, and create read replicas in us-east1 and us-west1.
- B. Deploy 2 Cloud SQL instances in the us-central1 region, and create read replicas in us-east1 and us-west1.
- C. Deploy 4 Cloud SQL instances in the us-central1 region with HA enabled, and create read replicas in us-central1, us-east1, and us-west1.
- D. Deploy 4 Cloud SQL instances in the us-central1 region, and create read replicas in us-central1, us-east1 and us-west1.

Correct Answer: B

QUESTION 3

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 4

Your organization has strict policies on tracking rollouts to production and periodically shares this information with external auditors to meet compliance requirements. You need to enable auditing on several Cloud Spanner databases. What should you do?

- A. Use replication to roll out changes to higher environments.
- B. Use backup and restore to roll out changes to higher environments.
- C. Use Liquibase to roll out changes to higher environments.
- D. Manually capture detailed DBA audit logs when changes are rolled out to higher environments.

Correct Answer: B

QUESTION 5

Your organization is running a MySQL workload in Cloud SQL. Suddenly you see a degradation in database performance. You need to identify the root cause of the performance degradation. What should you do?

- A. Use Logs Explorer to analyze log data.
- B. Use Cloud Monitoring to monitor CPU, memory, and storage utilization metrics.
- C. Use Error Reporting to count, analyze, and aggregate the data.
- D. Use Cloud Debugger to inspect the state of an application.

Correct Answer: B

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