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QUESTION 1

HipLocal\'s .net-based auth service fails under intermittent load. What should they do?

- A. Use App Engine for autoscaling.
- B. Use Cloud Functions for autoscaling.
- C. Use a Compute Engine cluster for the service.
- D. Use a dedicated Compute Engine virtual machine instance for the service.

Correct Answer: D

Reference: <https://www.qwiklabs.com/focuses/611?parent=catalog>

QUESTION 2

You are in the final stage of migrating an on-premises data center to Google Cloud. You are quickly approaching your deadline, and discover that a web API is running on a server slated for decommissioning. You need to recommend a solution to modernize this API while migrating to Google Cloud. The modernized web API must meet the following requirements: ?Autoscales during high traffic periods at the end of each month ?Written in Python 3.x ?Developers must be able to rapidly deploy new versions in response to frequent code changes You want to minimize cost, effort, and operational overhead of this migration. What should you do?

- A. Modernize and deploy the code on App Engine flexible environment.
- B. Modernize and deploy the code on App Engine standard environment.
- C. Deploy the modernized application to an n1-standard-1 Compute Engine instance.
- D. Ask the development team to re-write the application to run as a Docker container on Google Kubernetes Engine.

Correct Answer: B

Explanation: <https://cloud.google.com/appengine/docs/standard>

QUESTION 3

Your application is logging to Stackdriver. You want to get the count of all requests on all /api/alpha/* endpoints.

What should you do?

- A. Add a Stackdriver counter metric for path:/api/alpha/.
- B. Add a Stackdriver counter metric for endpoint:/api/alpha/*.
- C. Export the logs to Cloud Storage and count lines matching /api/alpha.

D. Export the logs to Cloud Pub/Sub and count lines matching /api/alpha.

Correct Answer: C

QUESTION 4

You are load testing your server application. During the first 30 seconds, you observe that a previously inactive Cloud Storage bucket is now servicing 2000 write requests per second and 7500 read requests per second. Your application is now receiving intermittent 5xx and 429 HTTP responses from the Cloud Storage JSON API as the demand escalates. You want to decrease the failed responses from the Cloud Storage API. What should you do?

- A. Distribute the uploads across a large number of individual storage buckets.
- B. Use the XML API instead of the JSON API for interfacing with Cloud Storage.
- C. Pass the HTTP response codes back to clients that are invoking the uploads from your application.
- D. Limit the upload rate from your application clients so that the dormant bucket's peak request rate is reached more gradually.

Correct Answer: A

Reference: <https://cloud.google.com/storage/docs/request-rate>

QUESTION 5

You are developing an application that needs to store files belonging to users in Cloud Storage. You want each user to have their own subdirectory in Cloud Storage. When a new user is created, the corresponding empty subdirectory should also be created. What should you do?

- A. Create an object with the name of the subdirectory ending with a trailing slash (\\) that is zero bytes in length.
- B. Create an object with the name of the subdirectory, and then immediately delete the object within that subdirectory.
- C. Create an object with the name of the subdirectory that is zero bytes in length and has WRITER access control list permission.
- D. Create an object with the name of the subdirectory that is zero bytes in length. Set the Content-Type metadata to CLOUDSTORAGE_FOLDER.

Correct Answer: A

<https://cloud.google.com/storage/docs/folders>

If you create an empty folder using the Google Cloud console, Cloud Storage creates a zero-byte object as a placeholder. For example, if you create a folder called folder in a bucket called my-bucket, a zero-byte object called gs://my-bucket/folder/ is created. This placeholder is discoverable by other tools when listing the objects in the bucket, for example when using the gsutil ls command.

