Task 7 - Dela integration

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I. Introduction

The Dela storage systems uses two abstraction to work with cloud storage: endpoints and resources. Cloud Endpoints is a distributed API management system. It provides an API console, hosting, logging, monitoring and other features to help you create, share, maintain, and secure your APIs. We have modified a little to interact with the GCP application. In the following section, we have benchmark the writing performance by uploading the file through api.

II. Benchmark the upload speed

The code in this section can be found on the Github. You can see that the writing performance in gcp is pretty high. We also upload the file the same as the previous task. The following figure shows the result.

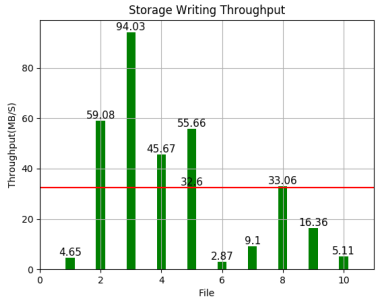

Fig. 1. Writing Throughput

The writing throughput can maximumly reach up to 94.03MB/S, while the average is 32.6. This is really higher than our previous tasks.

Sadly, we haven't realized the reading/download task during the implementation. I think we may continuing the code also after this course.

References

[1] About Cloud Endpoints [Online]. Available: *https://cloud.google.com/endpoints/docs/openapi/about-cloud-endpoints*