From my answer below, my goal is to:
1. Show how I process a requirement and deliver an architecture.
   there are a lot of things that I wish to clarify on this requirements. but since it's not a live test, I had to make
   some assumptions on the requirement how the question wants to be answered
2. convey my current level of understanding on gcp.
   I worked with a small subset on other cloud services, enough to understand the basics. The answers I gave
   are a combination of my limited experience on cloud services and troubleshooting (gcp documentation,
   google, stackoverflow)

1. **Tambahkan 1 node baru di GCP untuk menampung log**
   a. untuk membuat node baru untuk store logs, pertama kita buat bucket baru dengan hak autentikasi baru.
      i. creation of this bucket could be done manually (from GCP console or GCP CLI) and doesn't need to be
         automated (because it's most likely a one time procedure, as the whole organization may share the same
   logging infrastructure).


```
onewithathousandzero@cloudshell:~ (stoked-reality-362707)$  gcloud logging buckets create mnctest-all-logs-bucket \
    --location=asia-southeast2 \
    --project=mnctest-all-logs-project
```

mnctest-all-logs-bucket

   b. buat funnel (mnctest-all-logs-sink) utk mengagregasi traffic logs dari system yang sudah ada kearah bucket
      yang baru dibuat

   c. buat IAM role baru, unik untuk sink supaya bisa menwrite ke bucket.
      i. create IAM role, (WriteSink)
      ii. create IAM policy, yang spesifik membolehkan pemilik untuk mengakses mnctest-all-logs-bucket
          (AllowWriteBucket)
      iii. assign IAM policy AllowWriteBucket ke IAM role WriteSink
      iv. assign IAM role WriteSink ke mnctest-all-logs-sink. sekarang hanya mnctest-all-logs-sink yang punya akses
          untuk menulis ke mnctest-all-logs-bucket
   d. **hasil infrastruktur setelah 1 node logging tambahan**
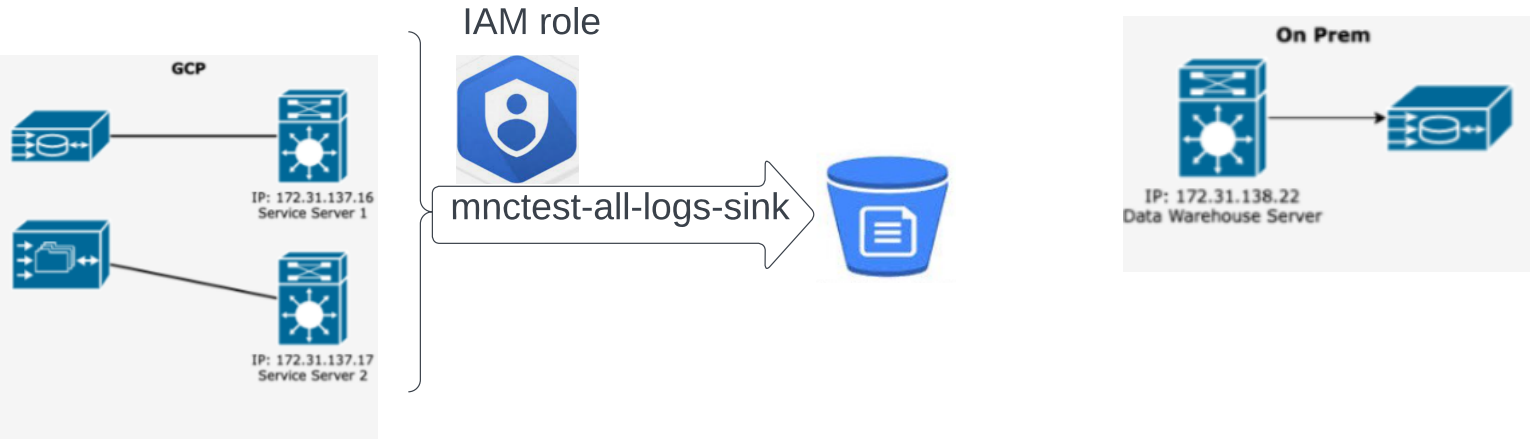
2. **Rancanglah Infrastruktur agar node yang baru dibuat di point 1, bisa terhubung ke Data Warehouse
   server tanpa ter-expose ke Internet**
   a. Menghubungkan Data Warehouse Server ke mnctest-all-logs-bucket tanpa ter-expose ke internet solusinya
      dengan beberapa step
      i. Buat VPC utk GCP dan subsistemnya, jika belum ada VPC. mnctest-all-logs-bucket akan dipindahkan
         kedalam VPC yang sama.
      ii. Buat Google Cloud VPN utk koneksi antara on-prem dan VPC tersebut.
      iii. Buat VPN gateway masing-masing utk VPC dan on-prem. reserve an IP address for the VPN connection