# Challenges Faced

* Mage did not identify Kaggle Install
  + I had installed CONDA and had activated a CONDA Virtual Environment.
  + In the Mage Data Loader Pipeline, I was not able to import CONDA at all.
  + Realized that the issue was because Mage was not able to identify the CONDA install from the run time.
  + When I reinstalled the PIP Requirements in the non-Virtual Environment Path, Mage Data Loader worked.
* Terraform, File Provisioner and Remote Exec. Terraform Provider passing the Service Account JSON as user input
  + I had to spend invariably long amount of time when I used Terraform to copy the file to the provisioned VM and run few commands from the GCP Shell.
  + Several examples online do not talk about the connection required in each provisioner.
  + Any problems in the ‘inline’ array of commands in Remote-Exec do not throw clear error but the terraform apply fails.
  + Terraform google provider requires credentials. To ensure the sensitivity of the credentials file, I had to spend lot of time to input that as a file.

provider "google" {

project = var.projectId

credentials = file("${var.gcpkey}")

#region = var.region

zone = var.zone

}

* Error 403: Insufficient regional quota to satisfy request: resource 'SSD\_TOTAL\_GB' exceeded.
  + Changing the type of boot-disk from PD-Balanced to PD-Standard helped solve the problem.
* When trying to execute the Mage Docker on a GCP VM, I built the image of mage\_spark. Unfortunately the docker build was struck for a long time. Mage\_Spark Dockerfile from Mage site recommended

RUN ${PIP} install --no-cache-dir --upgrade pip

COPY requirements.txt /tmp/requirements.txt

RUN python3 -m pip install -r /tmp/requirements.txt

# FAQs