**Script for update and set-up GCE instance.**

Step 1 : When we creating an instances through the command line we can develop the equivalent command line from the GCP console and While developing we have to enter the start up script to update the system.

The script is as follows in the bin bash :

#! /bin/bash apt update apt -y install apache2 cat < /var/www/html/index.html

Step 2 :The equivalent command line is as follows:

gcloud compute instances create shubham-vm --project=hybridskill-4 --zone=asia-south1-a --machine-type=e2-micro --network-interface=network-tier=PREMIUM,subnet=default --metadata=startup-script=\#\!/bin/bash$'\n'apt-get\ update\ -y$'\n'sudo\ apt-get\ install\ apache2\ -y$'\n'sudo\ systemctl\ enable\ apache2.service$'\n'sudo\ systemctl\ start\ apache2.service --maintenance-policy=MIGRATE --service-account=406758768703-compute@developer.gserviceaccount.com --scopes=https://www.googleapis.com/auth/devstorage.read\_only,https://www.googleapis.com/auth/logging.write,https://www.googleapis.com/auth/monitoring.write,https://www.googleapis.com/auth/servicecontrol,https://www.googleapis.com/auth/service.management.readonly,https://www.googleapis.com/auth/trace.append --tags=http-server --create-disk=auto-delete=yes,boot=yes,device-name=shubham-vm,image=projects/ubuntu-os-cloud/global/images/ubuntu-1604-xenial-v20210928,mode=rw,size=10,type=projects/hybridskill-4/zones/asia-south1-a/diskTypes/pd-standard --no-shielded-secure-boot --shielded-vtpm --shielded-integrity-monitoring --reservation-affinity=any

This will update the system instance while creating the instance through command line.

Then while creating the instance we can add on more scripts to make them vm more flexible.

Like for example we can delete, stop, create, and start the instance from there itself.

#!/bin/bash var='please enter your choice' options= ("opt1-Delete" "opt2-Stop" "opt3-start" "quit") select opt in "${options[@]}" do case $opt in "opt1-Delete") echo "choose 1" gcloud compute instances delete shubham echo "your instance is deleted"

"opt2-Stop") echo "choose 2" gcloud compute instances stop shubham echo "instance stopped" ;; "opt3-start") echo "choose 3" gcloud compute instances start shubham echo "instance started" ;; "quit") break ;; \*)echo "invaild option";; esac done