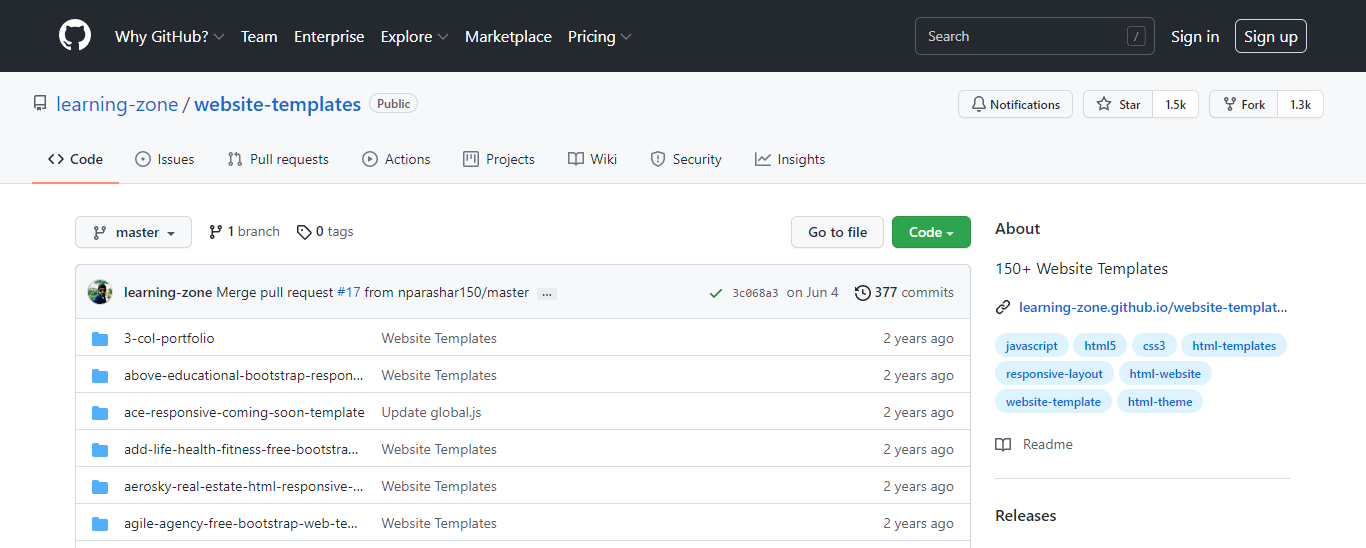
**1) Create a Linux VM and host a sample website given in below link**

<https://github.com/learning-zone/website-templates/tree/master/above-educational-bootstrap-responsive-template>

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* **Create and deploy Kubernetes Engine** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

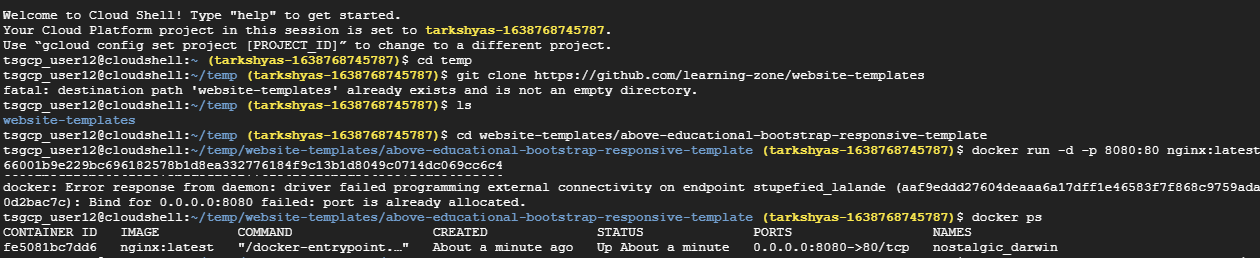
Step 1 : Find a github repository for hosting the website : https://github.com/learning-zone/website-templates



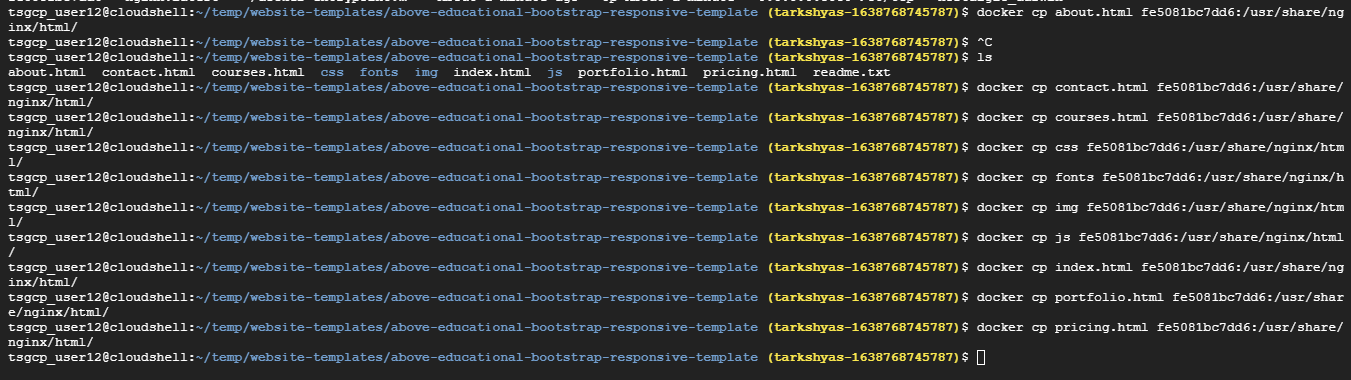
Step 2 : Open the cloud shell and make a directory ‘temp’.

Step 3 : Inside that directory clone the github site using git clone command and then go to the path of github repository which contains the required files.

Step 4 : Create a container using docker run command and view the running containers by using docker ps



Step 5 : Copy all the files insides github repository to the container by using docker cp command : docker cp about.html fe5081bc7dd6:/usr/share/nginx/html/

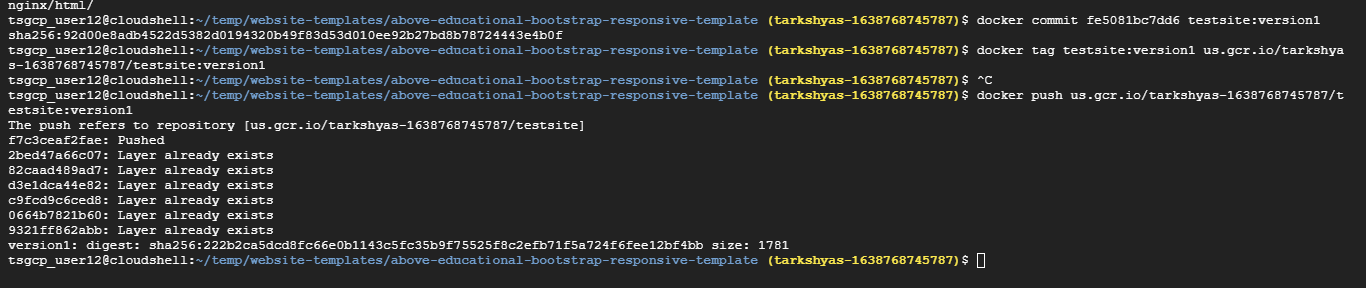


Step 6 : Then commit docker inorder to allow users to take the running container and save its current state as an image : docker commit fe5081bc7dd6 testsite:version1

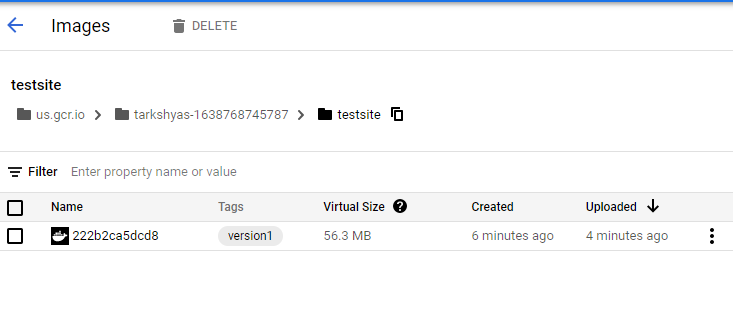
Step 7 : Share those images to the Docker Hub registry using docker push :

docker tag testsite:version1 us.gcr.io/ tarkshyas-1638768745787/testsite:version1

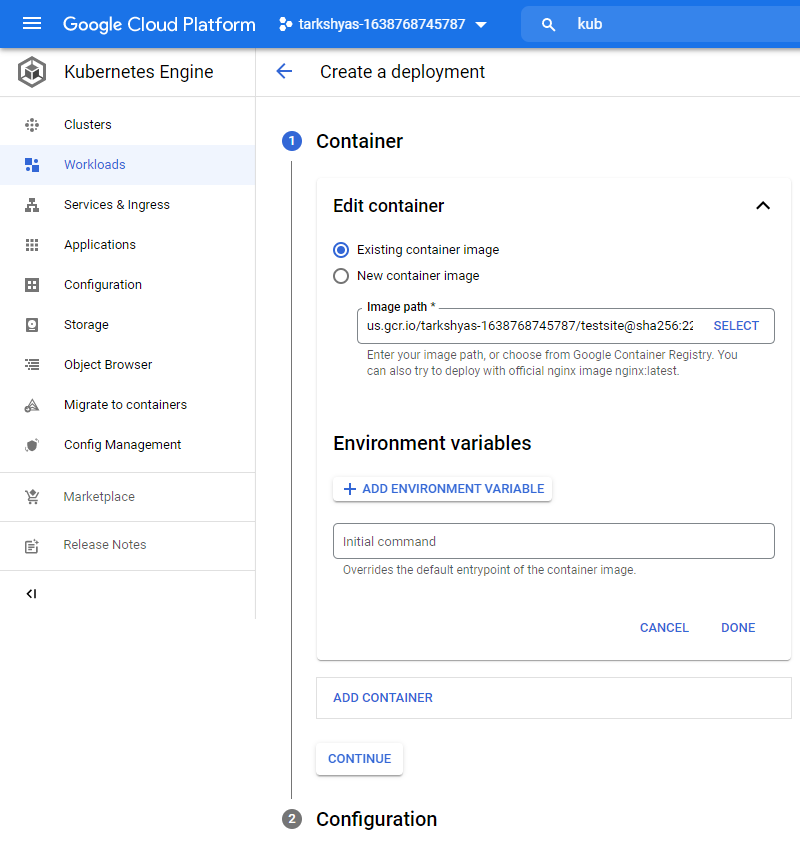
docker push us.gcr.io/ tarkshyas-1638768745787/testsite:version1

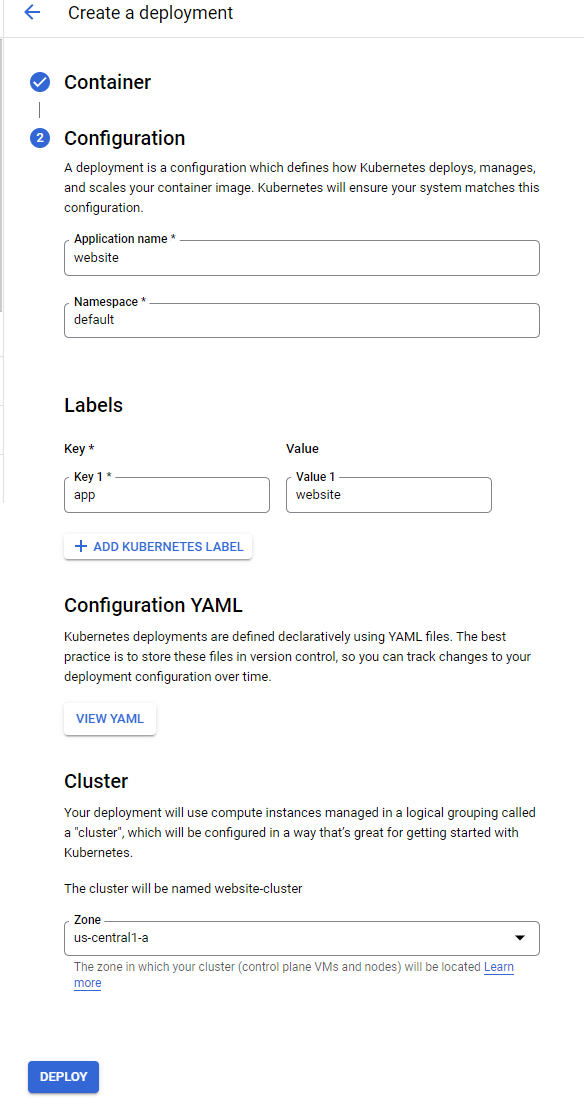


Step 8 : Go to the container registry and view the image created

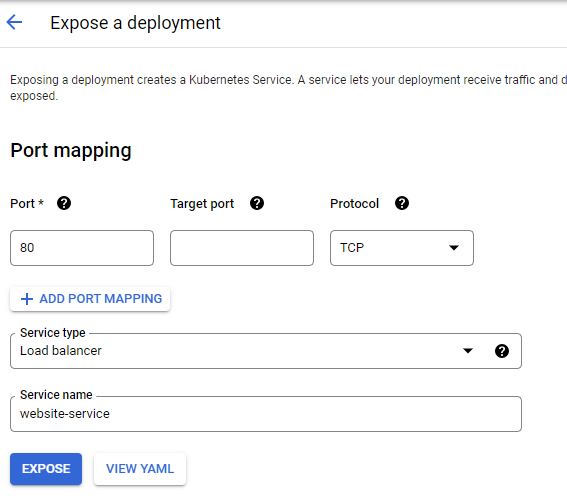


Step 9 : Open Workloads in Kubernetes Engine and deploy the application

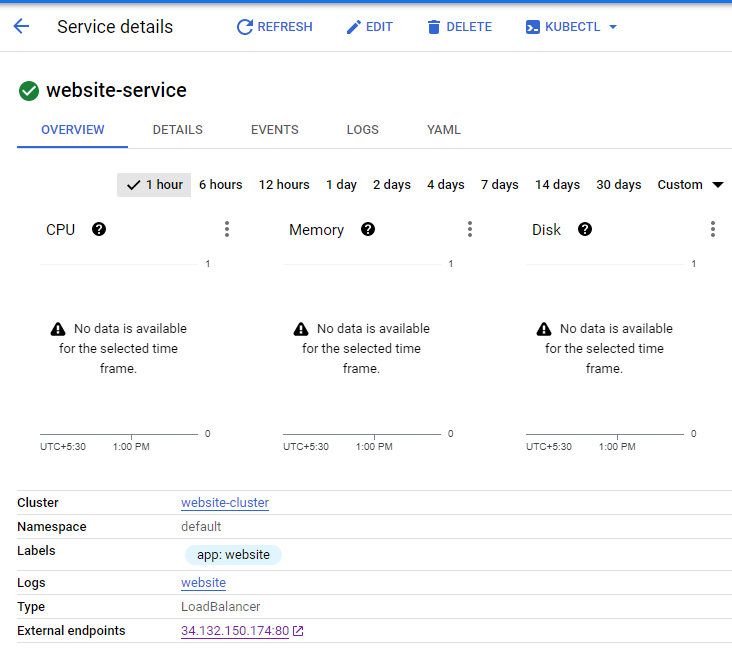


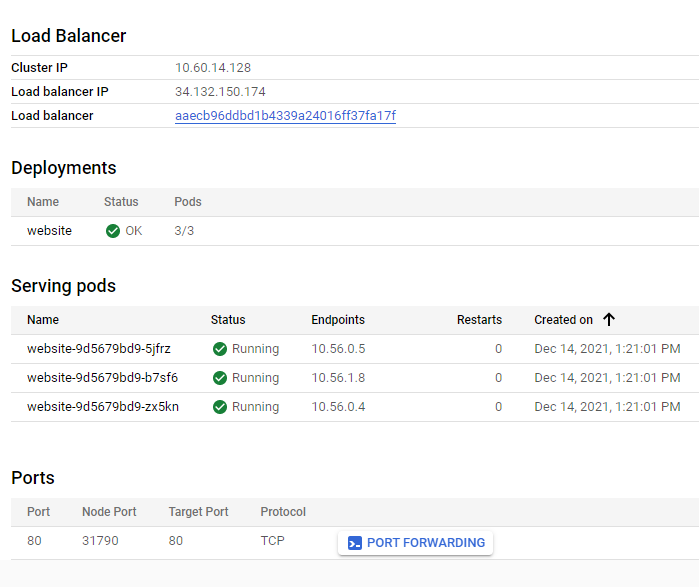


Step 10 : Expose the deployed application

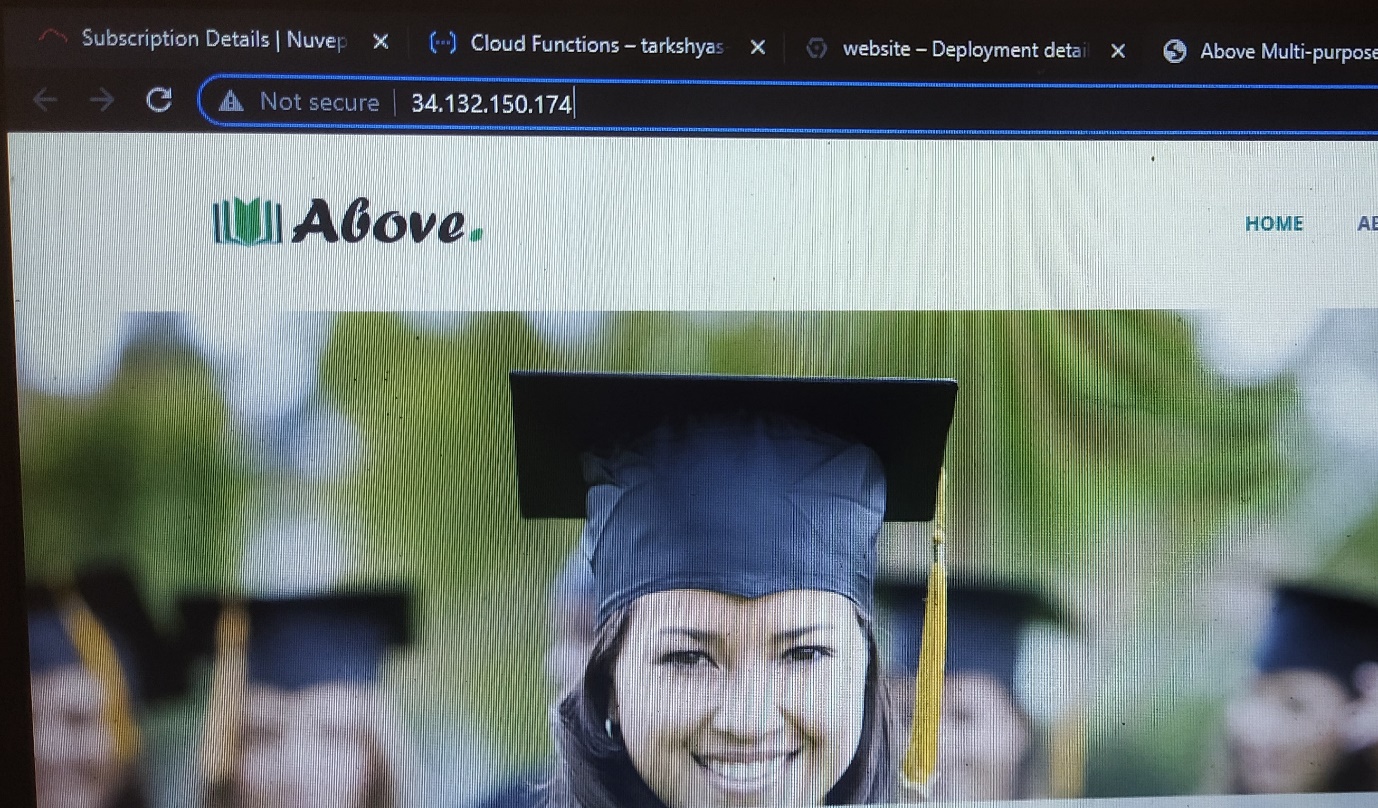


Step 11 : After deployment and expose



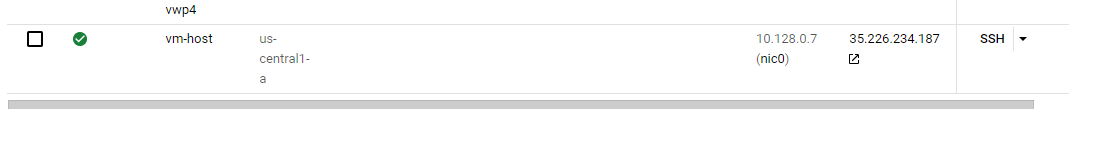


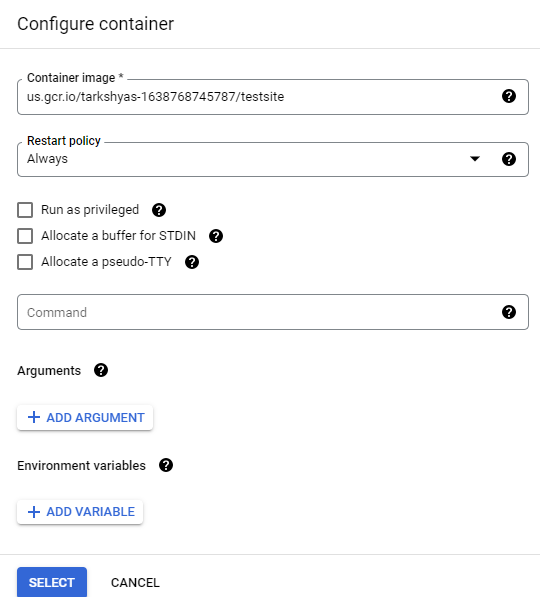
Step 12 : By clicking on external endpoints we get the required website



//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* **Create VM** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

Step 13 : Create a VM instance with configure container by giving the container image URL in the container registry





Step 14 : Copy the external ip address of created VM and paste in the browser which leads to the particular site

