

Question 8

To create instance template

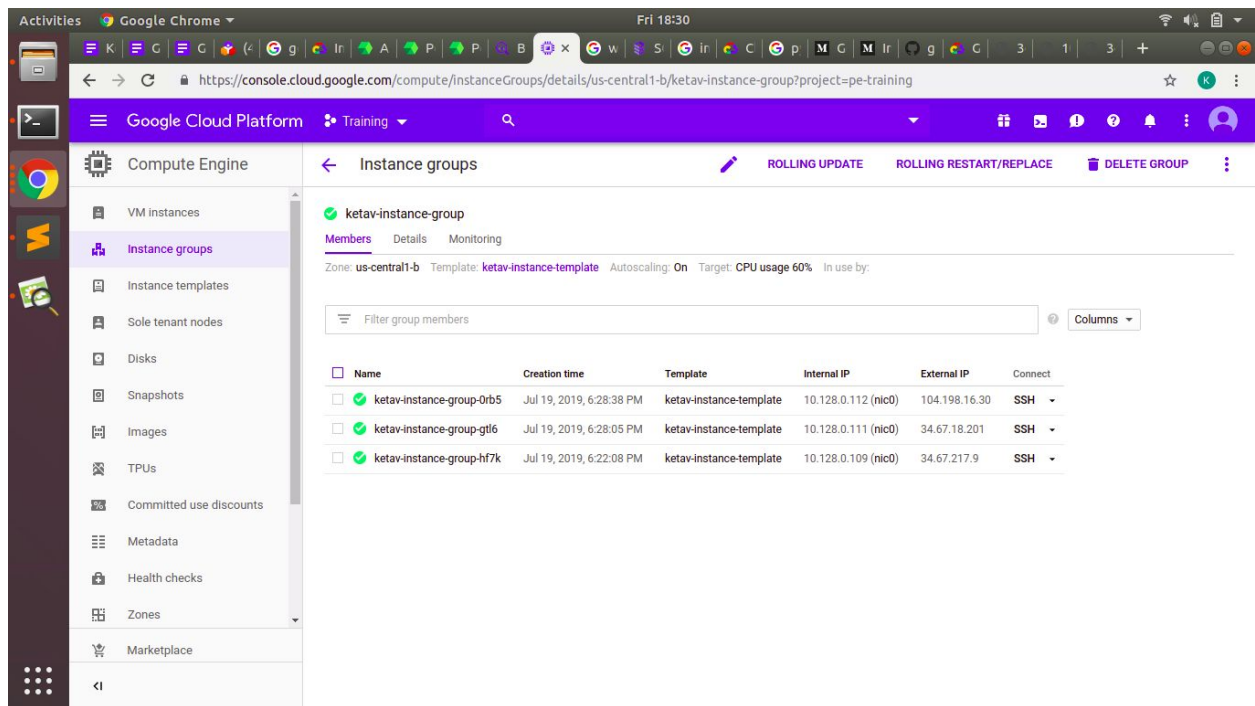
```
gcloud compute --project=pe-training instance-templates create ketav-instance-template
--metadata-from-file=startup-script=automate.sh --image=ubuntu-1804-bionic-v20190628
--image-project=ubuntu-os-cloud
```

To create instance group

```
gcloud compute --project=pe-training instance-groups managed create ketav-instance-group
--base-instance-name=ketav-instance-group --template=ketav-instance-template --size=1
--zone=us-central1-b
```

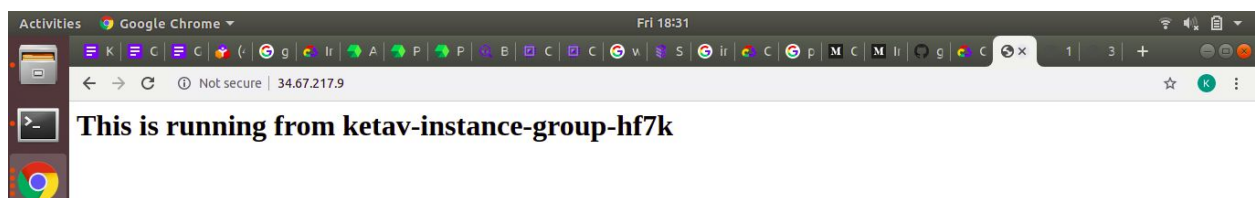
To attach load balancing

```
gcloud compute --project "pe-training" instance-groups managed set-autoscaling
"ketav-instance-group" --zone "us-central1-b" --cool-down-period "60" --max-num-replicas "8"
--min-num-replicas "1" --target-cpu-utilization "0.6"
```



The screenshot shows the Google Cloud Platform console interface. The left sidebar contains navigation links for Compute Engine, VM instances, Instance groups, Instance templates, Sole tenant nodes, Disks, Snapshots, Images, TPUs, Committed use discounts, Metadata, Health checks, Zones, and Marketplace. The main content area is titled 'Instance groups' and shows details for the 'ketav-instance-group'. The group is located in the 'us-central1-b' zone, uses the 'ketav-instance-template', and has autoscaling enabled with a target CPU usage of 60%. Below this, there is a table listing the members of the instance group.

Name	Creation time	Template	Internal IP	External IP	Connect
ketav-instance-group-0rb5	Jul 19, 2019, 6:28:38 PM	ketav-instance-template	10.128.0.112 (nic0)	104.198.16.30	SSH
ketav-instance-group-gt16	Jul 19, 2019, 6:28:05 PM	ketav-instance-template	10.128.0.111 (nic0)	34.67.18.201	SSH
ketav-instance-group-hf7k	Jul 19, 2019, 6:22:08 PM	ketav-instance-template	10.128.0.109 (nic0)	34.67.217.9	SSH



The screenshot shows a web browser window with the address bar displaying 'Not secure | 34.67.217.9'. The main content area shows a terminal window with the text 'This is running from ketav-instance-group-hf7k'.

