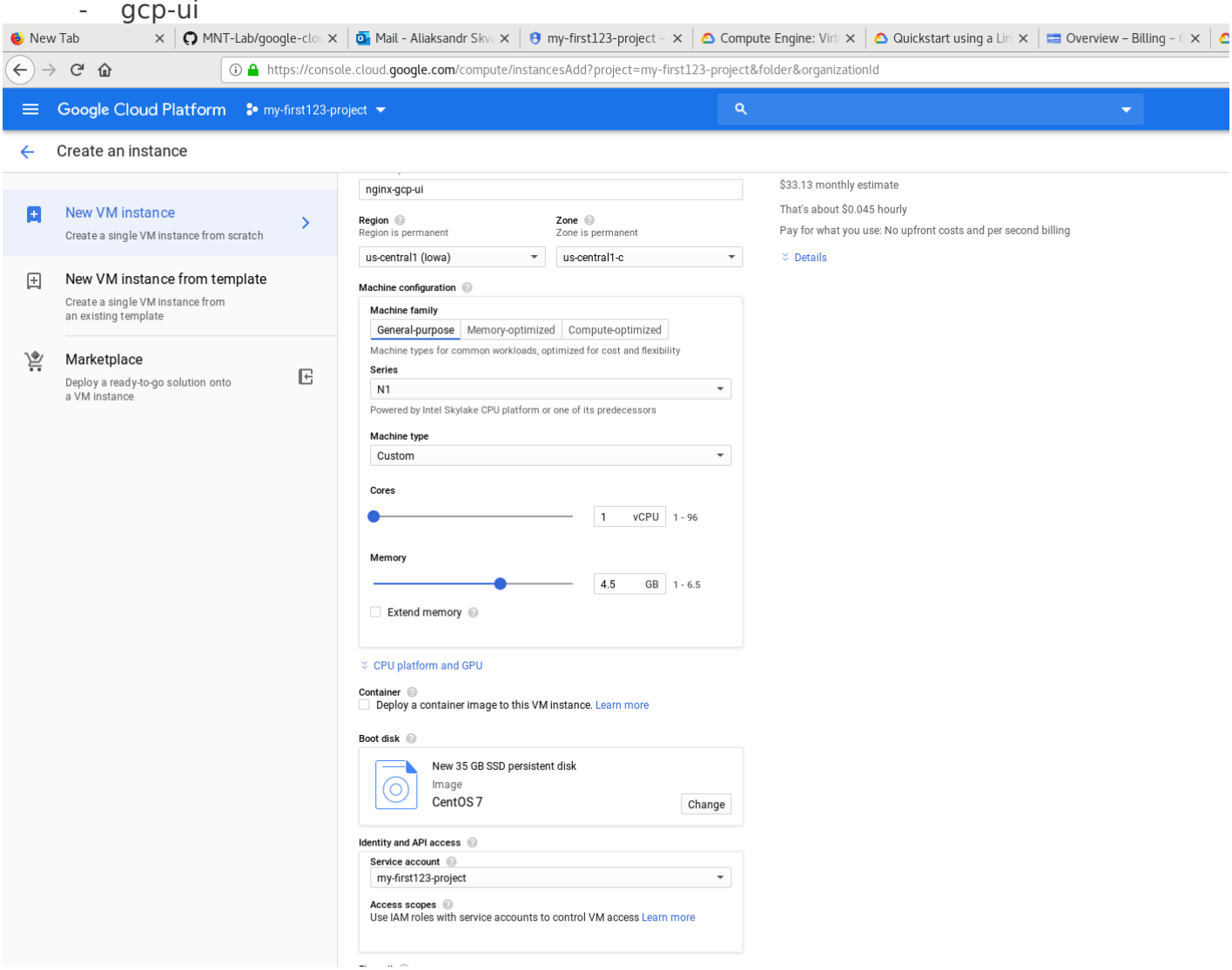
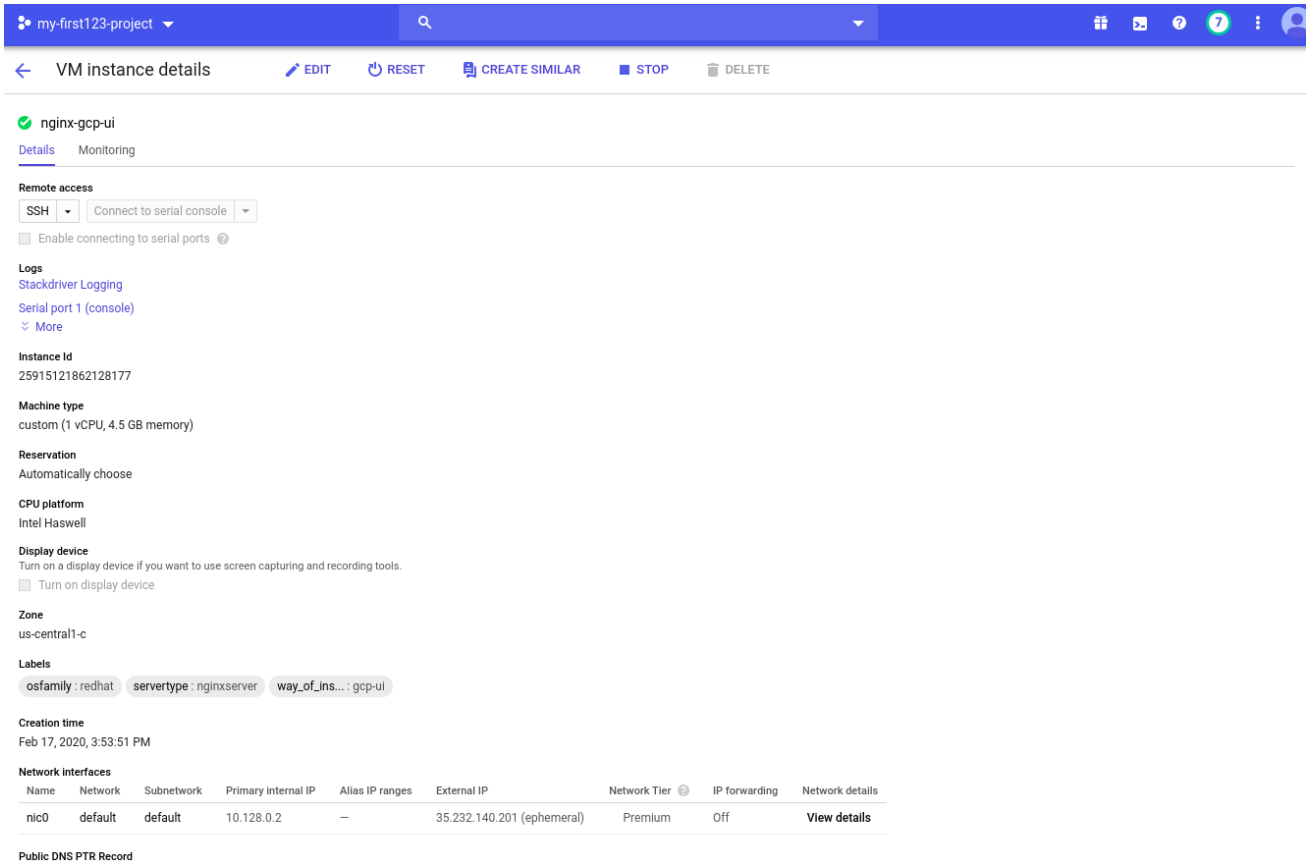
TASK 1

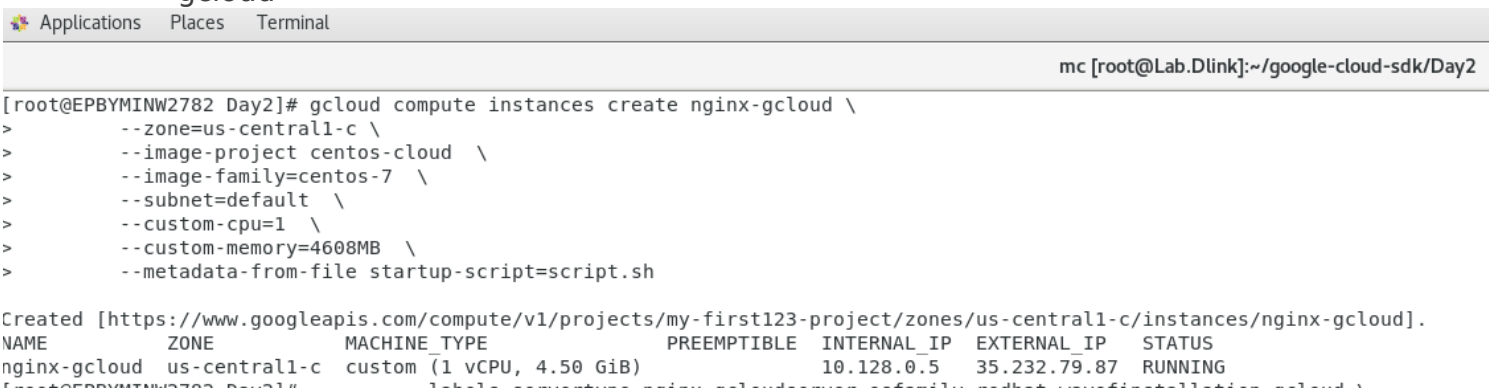
Create Virtual Machine in Google cloud by the following ways:

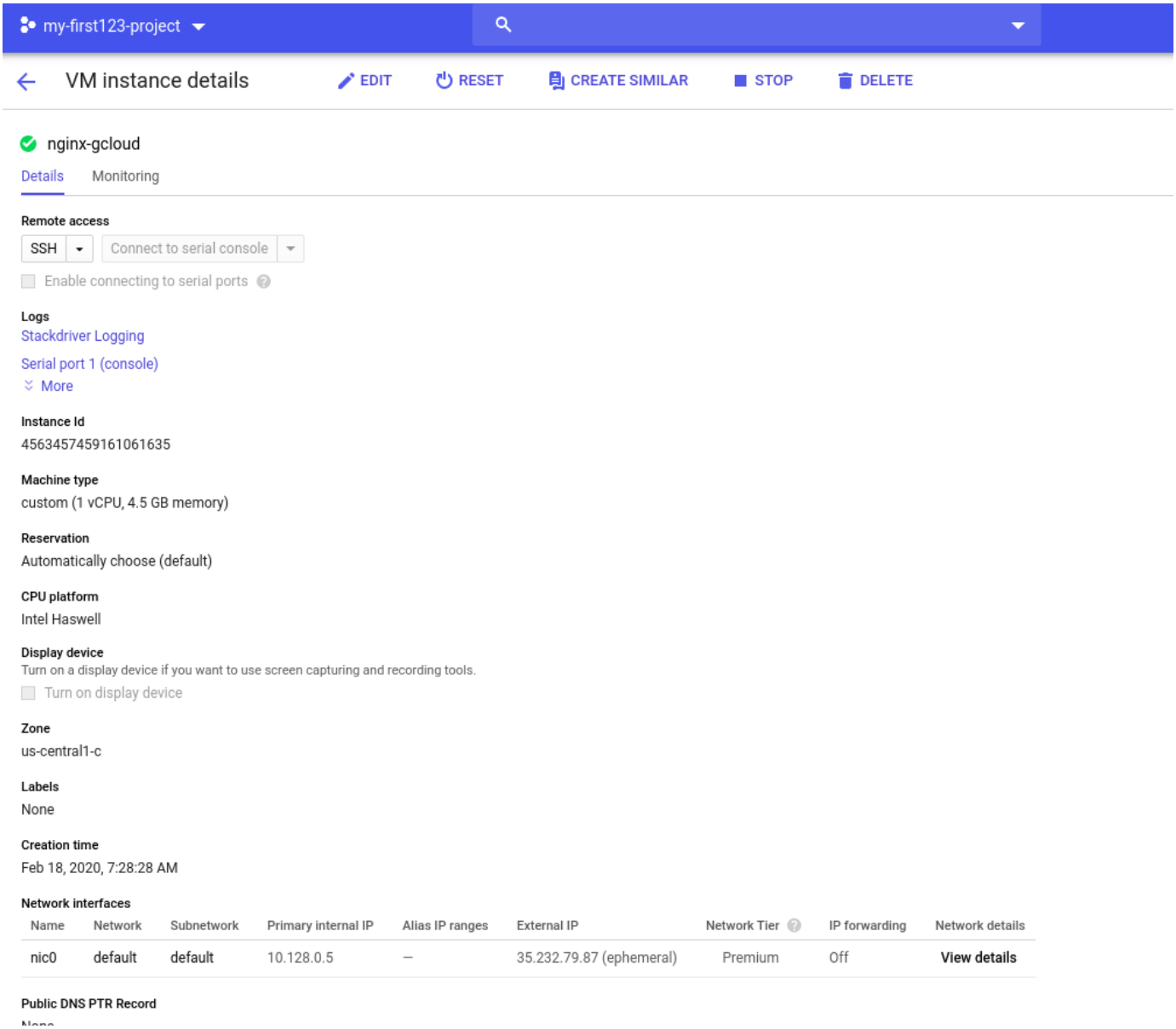
- gcp-ui



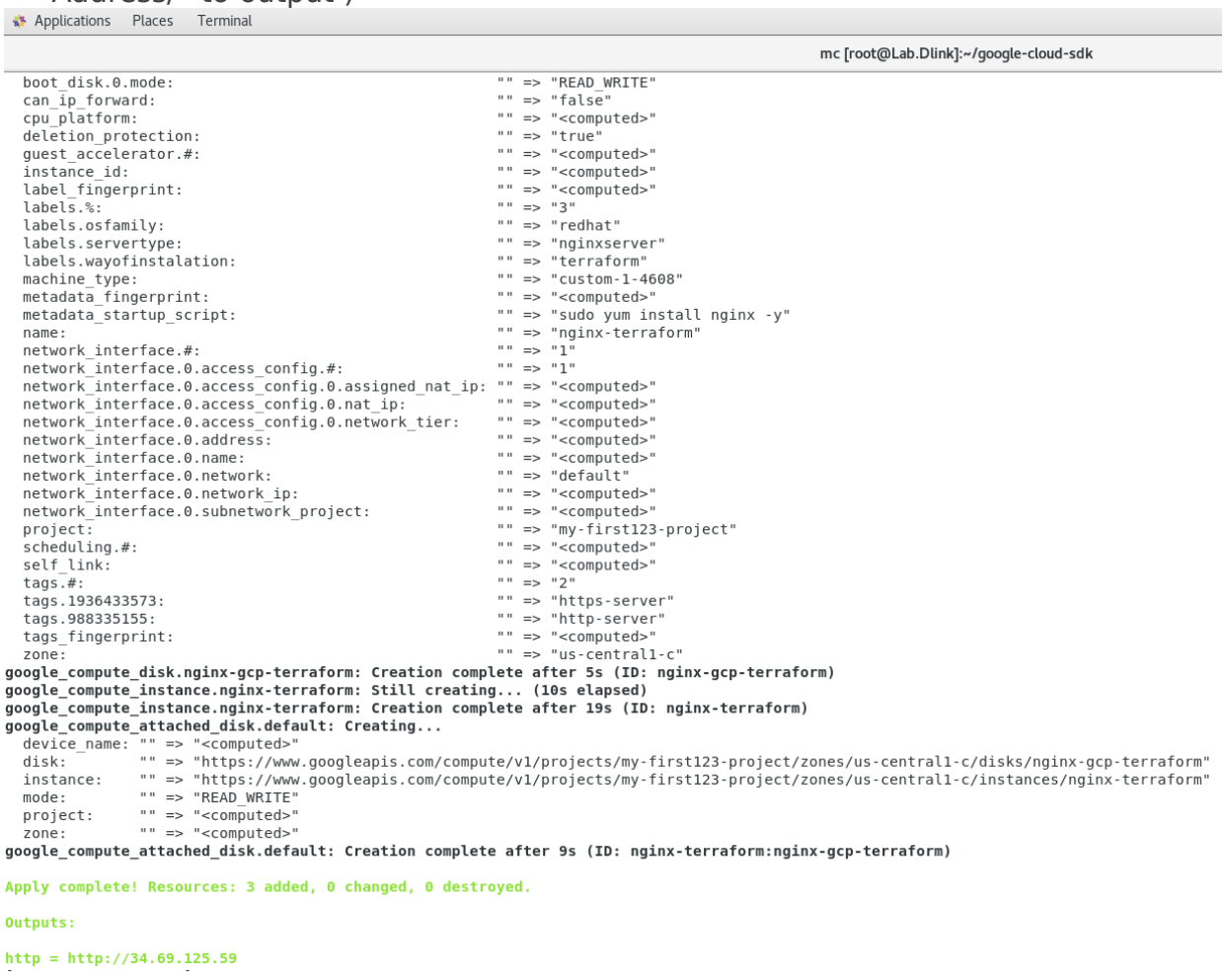

my-first123-project
VM instance details
EDIT
RESET
CREATE SIMILAR
STOP
DELETE
nginx-gcp-ui
Details
Monitoring
Remote access
SSH
Connect to serial console
Enable connecting to serial ports
Logs
Stackdriver Logging
Serial port 1 (console)
More
Instance Id
25915121862128177
Machine type
custom (1 vCPU, 4.5 GB memory)
Reservation
Automatically choose
CPU platform
Intel Haswell
Display device
Turn on a display device if you want to use screen capturing and recording tools.
Turn on display device
Zone
us-central1-c
Labels
osfamily : redhat
servertype : nginxserver
way_of_ins... : gcp-ui
Creation time
Feb 17, 2020, 3:53:51 PM
Network interfaces
Name Network Subnetwork Primary internal IP Alias IP ranges External IP Network Tier IP forwarding Network details
nic0 default default 10.128.0.2 – 35.232.140.201 (ephemeral) Premium Off View details
Public DNS PTR Record

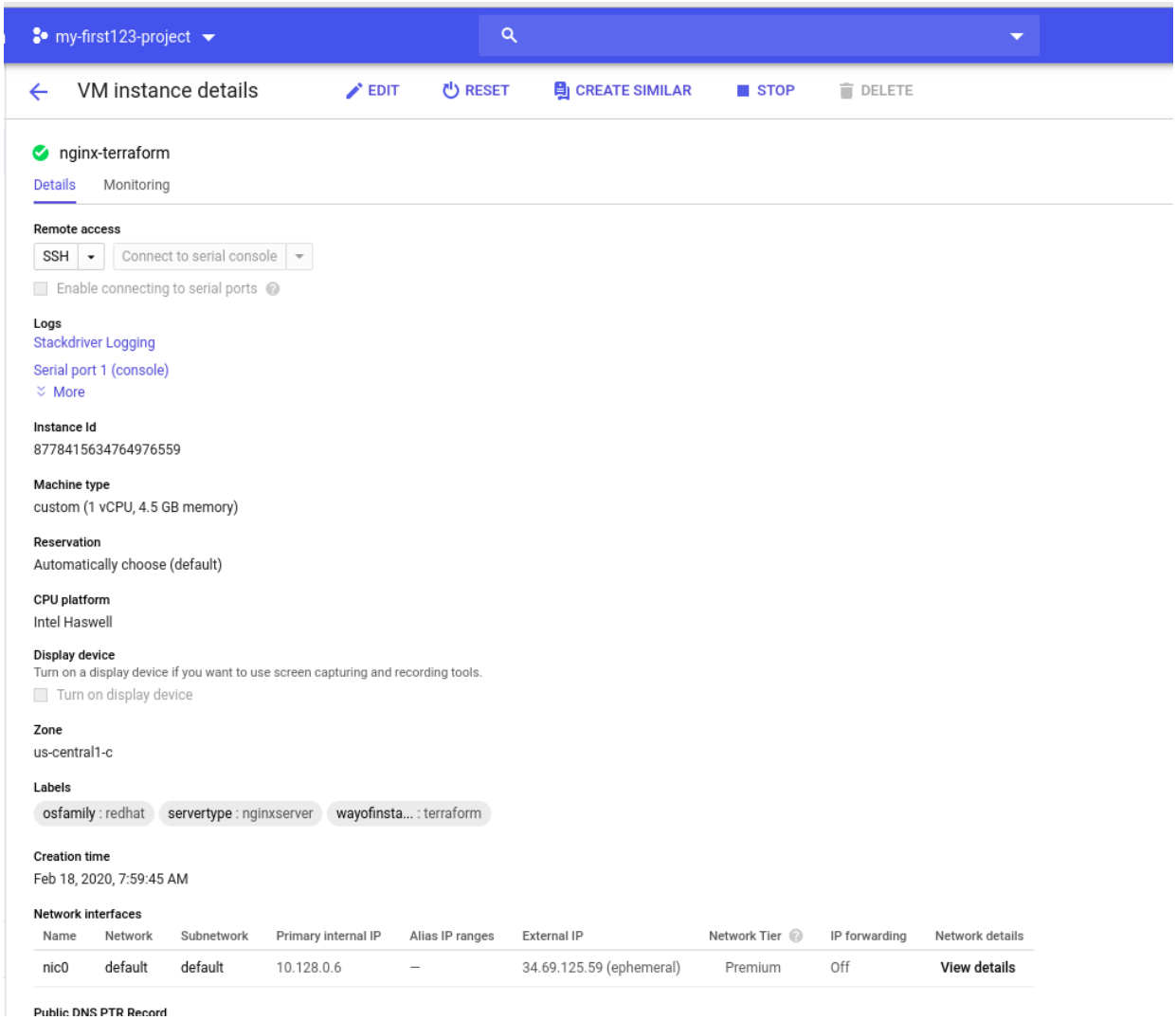
- gcloud

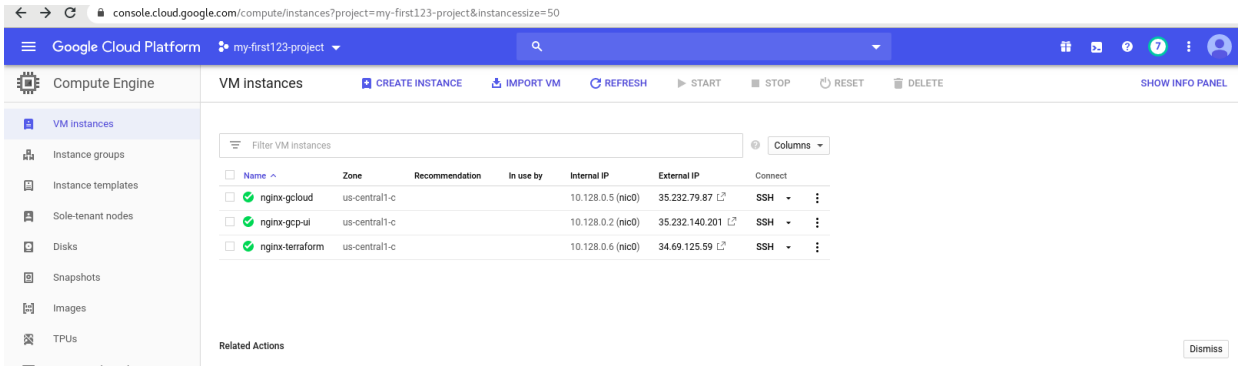

Applications
Places
Terminal
mc [root@Lab.Dlink]:~/google-cloud-sdk/Day2
[root@EPBYMINW2782 Day2]# gcloud compute instances create nginx-gcloud \
> --zone=us-central1-c \
> --image-project centos-cloud \
> --image-family=centos-7 \
> --subnet=default \
> --custom-cpu=1 \
> --custom-memory=4608MB \
> --metadata-from-file startup-script=script.sh
Created [https://www.googleapis.com/compute/v1/projects/my-first123-project/zones/us-central1-c/instances/nginx-gcloud].
NAME ZONE MACHINE_TYPE PREEMPTIBLE INTERNAL_IP EXTERNAL_IP STATUS
nginx-gcloud us-central1-c custom (1 vCPU, 4.50 GiB) 10.128.0.5 35.232.79.87 RUNNING


my-first123-project
VM instance details
EDIT
RESET
CREATE SIMILAR
STOP
DELETE
nginx-gcloud
Details
Monitoring
Remote access
SSH
Connect to serial console
Enable connecting to serial ports
Logs
Stackdriver Logging
Serial port 1 (console)
More
Instance Id
4563457459161061635
Machine type
custom (1 vCPU, 4.5 GB memory)
Reservation
Automatically choose (default)
CPU platform
Intel Haswell
Display device
Turn on a display device if you want to use screen capturing and recording tools.
Turn on display device
Zone
us-central1-c
Labels
None
Creation time
Feb 18, 2020, 7:28:28 AM
Network interfaces
Name Network Subnetwork Primary internal IP Alias IP ranges External IP Network Tier IP forwarding Network details
nic0 default default 10.128.0.5 — 35.232.79.87 (ephemeral) Premium Off View details
Public DNS PTR Record

- terraform (all settings should be provided via variables (tfvars), add URL (“http:///IP. Address/” to output)




my-first123-project
VM instance details
EDIT
RESET
CREATE SIMILAR
STOP
DELETE
nginx-terraform
Details
Monitoring
Remote access
SSH
Connect to serial console
Enable connecting to serial ports
Logs
Stackdriver Logging
Serial port 1 (console)
More
Instance Id
8778415634764976559
Machine type
custom (1 vCPU, 4.5 GB memory)
Reservation
Automatically choose (default)
CPU platform
Intel Haswell
Display device
Turn on a display device if you want to use screen capturing and recording tools.
Turn on display device
Zone
us-central1-c
Labels
osfamily : redhat
servertype : nginxserver
wayofinsta... : terraform
Creation time
Feb 18, 2020, 7:59:45 AM
Network interfaces
Name Network Subnetwork Primary internal IP Alias IP ranges External IP Network Tier IP forwarding Network details
nic0 default default 10.128.0.6 — 34.69.125.59 (ephemeral) Premium Off View details
Public DNS PTR Record

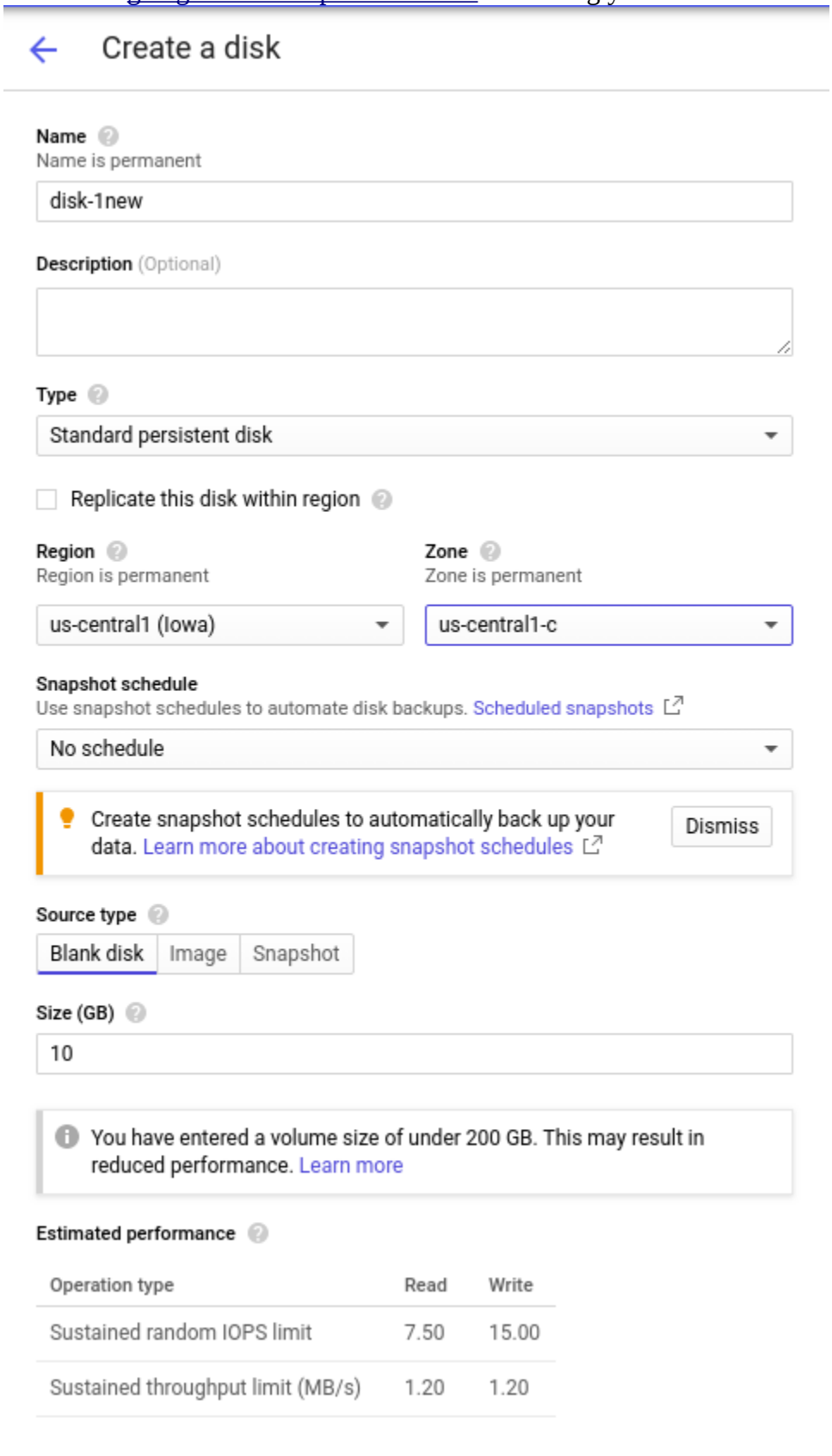

console.cloud.google.com/compute/instances?project=my-first123-project&instancessize=50
Google Cloud Platform
my-first123-project
Compute Engine
VM instances
CREATE INSTANCE
IMPORT VM
REFRESH
START
STOP
RESET
DELETE
SHOW INFO PANEL
VM instances
Instance groups
Instance templates
Sole-tenant nodes
Disks
Snapshots
Images
TPUs
Filter VM instances
Columns
Name Zone Recommendation In use by Internal IP External IP Connect
nginx-gcloud us-central1-c 10.128.0.5 (nic0) 35.232.79.87 SSH
nginx-gcp-ui us-central1-c 10.128.0.2 (nic0) 35.232.140.201 SSH
nginx-terraform us-central1-c 10.128.0.6 (nic0) 34.69.125.59 SSH
Related Actions
Dismiss

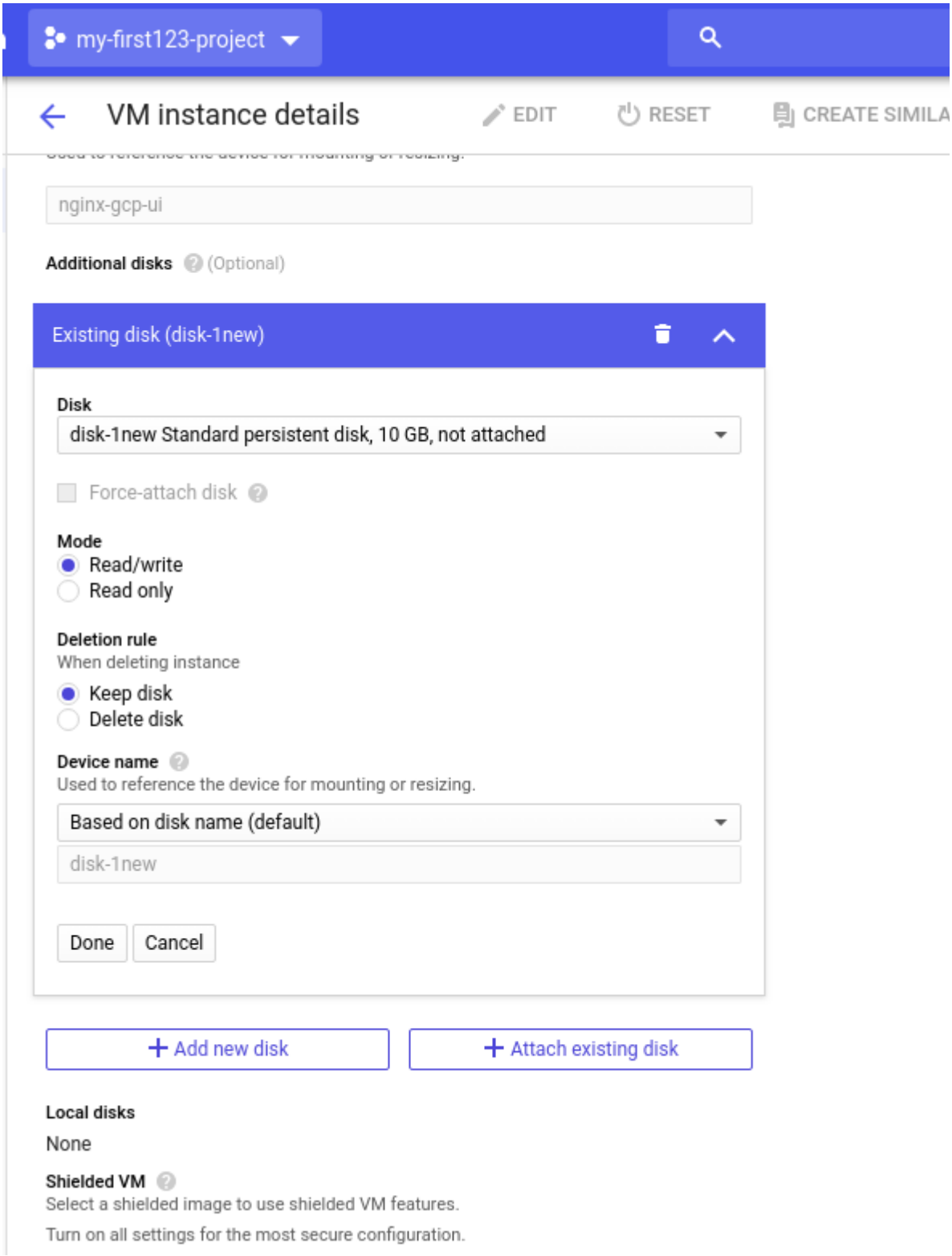
TASK 2

It’s aiming to gain knowledge about the mechanisms of Persistent disk creation in Google Cloud.

Create Persistent Disk and attach it to one of existing Virtual machine (nginx-gcp-ui).

1) Complete Lab [goolge codelabs: persistent disk](#) with using your VM name




my-first123-project
VM instance details
EDIT
RESET
CREATE SIMILA
nginx-gcp-ui
Additional disks (Optional)
Existing disk (disk-1new)
Disk
disk-1new Standard persistent disk, 10 GB, not attached
Force-attach disk
Mode
Read/write
Read only
Deletion rule
When deleting instance
Keep disk
Delete disk
Device name
Used to reference the device for mounting or resizing.
Based on disk name (default)
disk-1new
Done
Cancel
+ Add new disk
+ Attach existing disk
Local disks
None
Shielded VM
Select a shielded image to use shielded VM features.
Turn on all settings for the most secure configuration.

2) Create terraform configuration to do the same via terraform (use VM: nginx-gcp-terraform).

For reference:

- google_compute_disk
- google_compute_attached_disk
