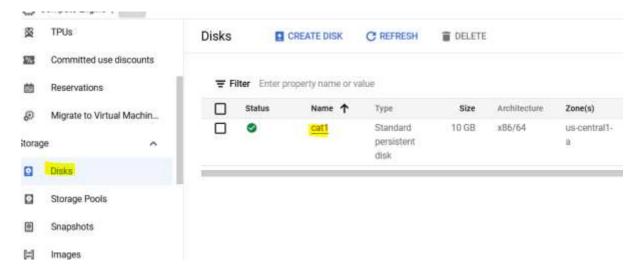
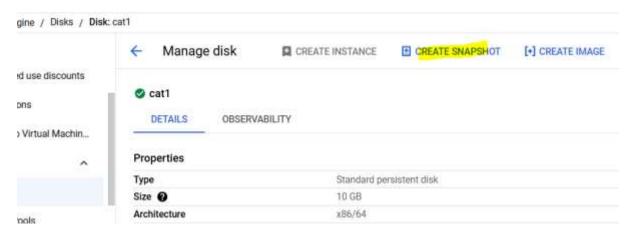
Create Snapshot of disk:-

1) Go to the disks option available in Compute engine under the storage section and open the disk for which you want to create a snapshot.



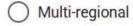
2) Click create snapshot



3) Give snapshot a name and select region (optionally, can keep it multi-regional, but for lab, make it regional)

Location ?

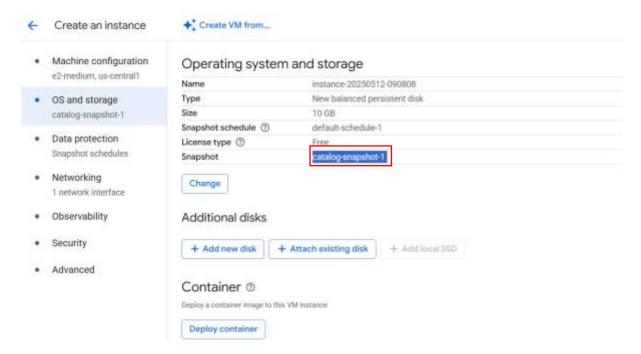
There may be a network transfer fee if you choose to store this snapshot in a location different than the source disk. Learn more ☑







- 4) Click create
- 5) Go to snapshots and open the newly created snapshot.
- 6) Click Create Instance, and you can explore all the options it provides you. (Because we are not going to create a VM now)
- 7) Also, in the OS and storage option, you will see that the VM is being created out of the snapshot.

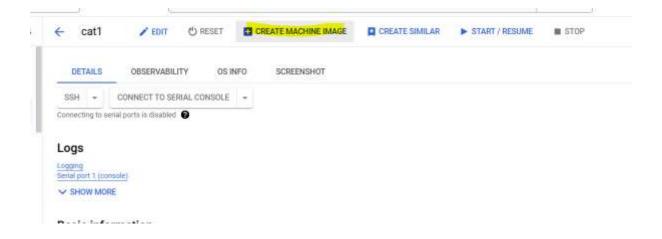


Snapshot Schedule: -

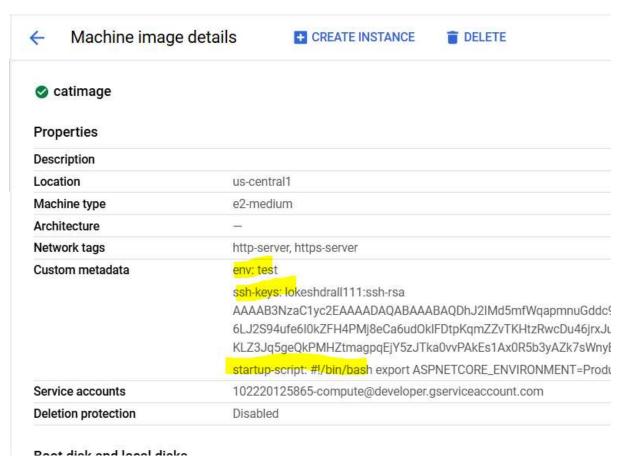
- 1) Go to Snapshots>create snapshot schedule
- 2) Go through the options, no need to create a schedule, only explore the options

Images:-

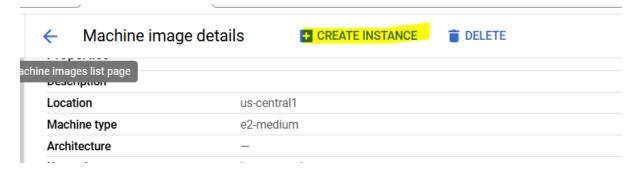
1) Go to the cat1 VM instance, open it, and click Create Machine Image



- 2) Give it a name, make location to regional and click create
- 3) Open the Image and it should show all the configuration we did at the cat1 VM like metadata, adding SSH key, automation scripts, etc.

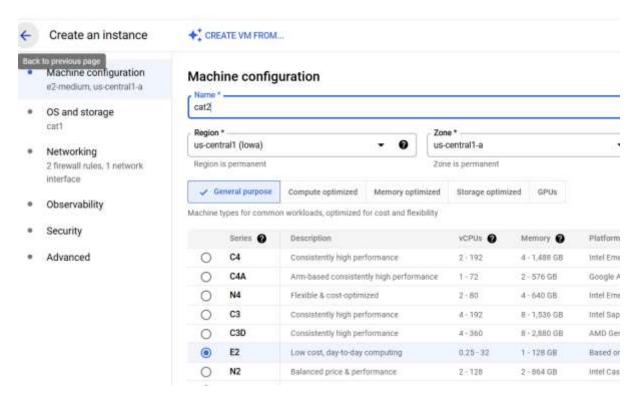


4) Now, from our image, click on create instance.



5) Show creating an instance by using this image as cat2 VM, and this new cat VM should already have the Readit app running, test it by accessing from the web by using its http://externalipaddress:8080 in the browser

While creating an Instance, show that all configurations similar to cat1 are already there, we not need to make them again



Create an instance

♦ CREATE VM FROM...

- Machine configuration e2-medium, us-central1-a
- OS and storage cat1
- Networking
 2 firewall rules, 1 network interface
- Observability
- Security
- Advanced

Operating system and storage

Name	cat2
Туре	New standard persistent disk
Size	10 GB
Snapshot schedule ?	No schedule selected
License type 🔞	Free
Disk source	From machine image
Device name	cat1

Additional storage and VM backups

+ ADD NEW DISK

+ ATTACH EXISTING DISK

+ ADD LOCAL SSD

Create an instance



- Machine configuration e2-medium, us-central1-a
- OS and storage cat1
- Networking
 2 firewall rules, 1 network interface
- Observability
- Security
- Advanced

Networking

Firewall @

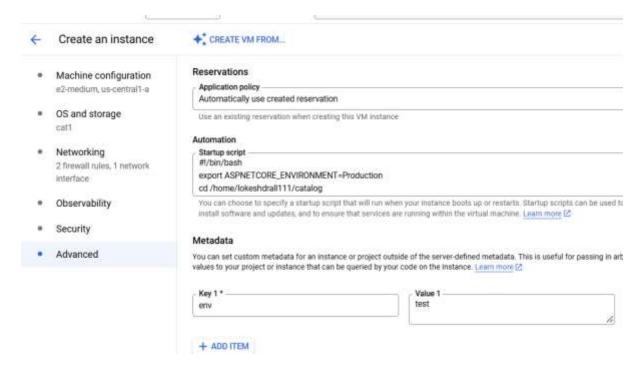
Add tags and firewall rules to allow specific network traffic from the Internet

- Allow HTTP traffic
- Allow HTTPS traffic
- Allow Load Balancer Health Checks

Network tags

Hostname

Set a custom hostname for this instance or leave it default. Choice is permanent



6) Once the instance is created, copy the external IP and paste it in a new browser tab and you will see the application running.

