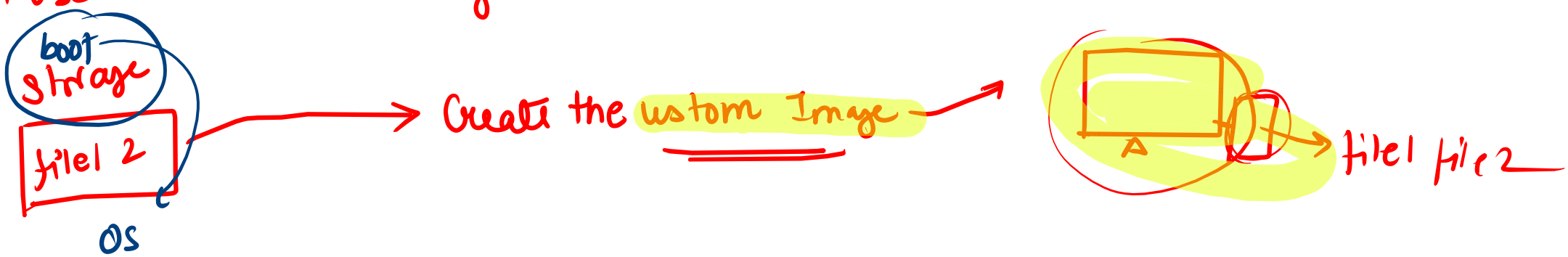
① Public Image → Provided and maintained by Google / Open source communities & third party vendors.

By default all the google cloud projects will have access of these images, and can be used them to create Instances

② Custom Image → custom Image are available only to your cloud project.

You can create a custom Image from Boot disk and other Images.

Then use the ustom Image to create an Instance.



VM 1

file1 file2

Public

Ubuntu = Image

← Create a replica of VM-1

Custom Image

Gcp - managed stored -

Read only template of VM 1

file1 file2

ubuntu

file1 file2

ubuntu

Replica machine

VM01

FE website

Instance

Custom Image

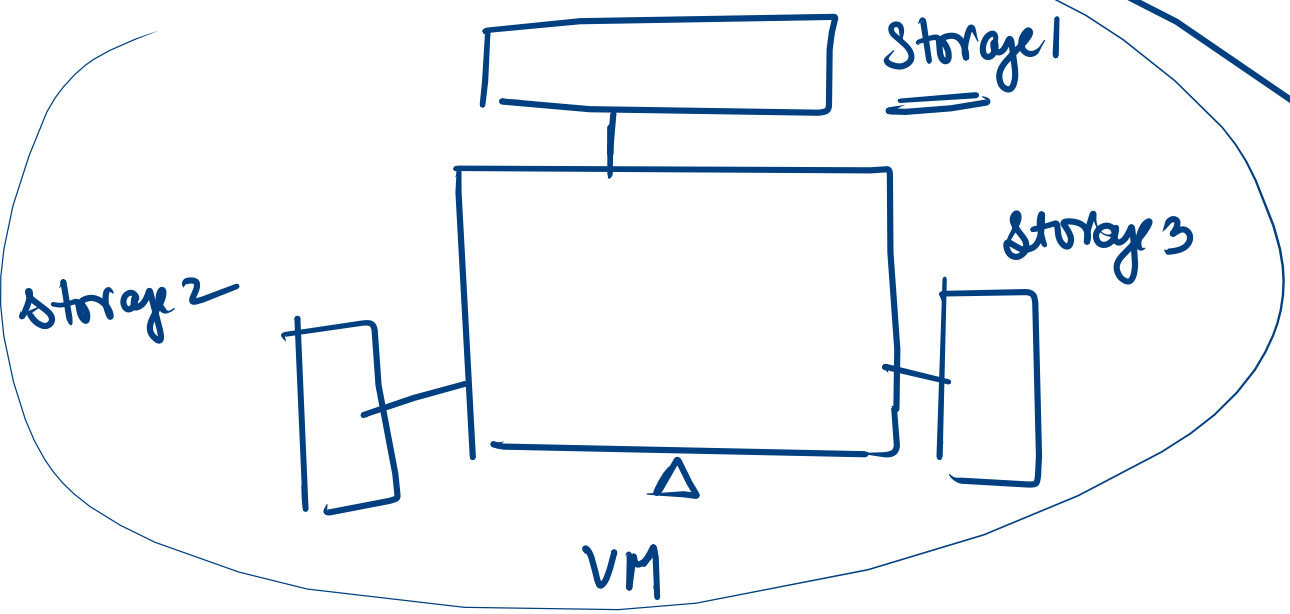
Custom Template of VM01

(OS + Files + Folder + S/w ...)

FE Instan

FE Instan

③ Machine Image



Machine Image is a full backup of entire VM including all settings.

Machine Image is a compute engine resource that stores all configurations, metadata, permission & data from multiple disk of a VM Instance.

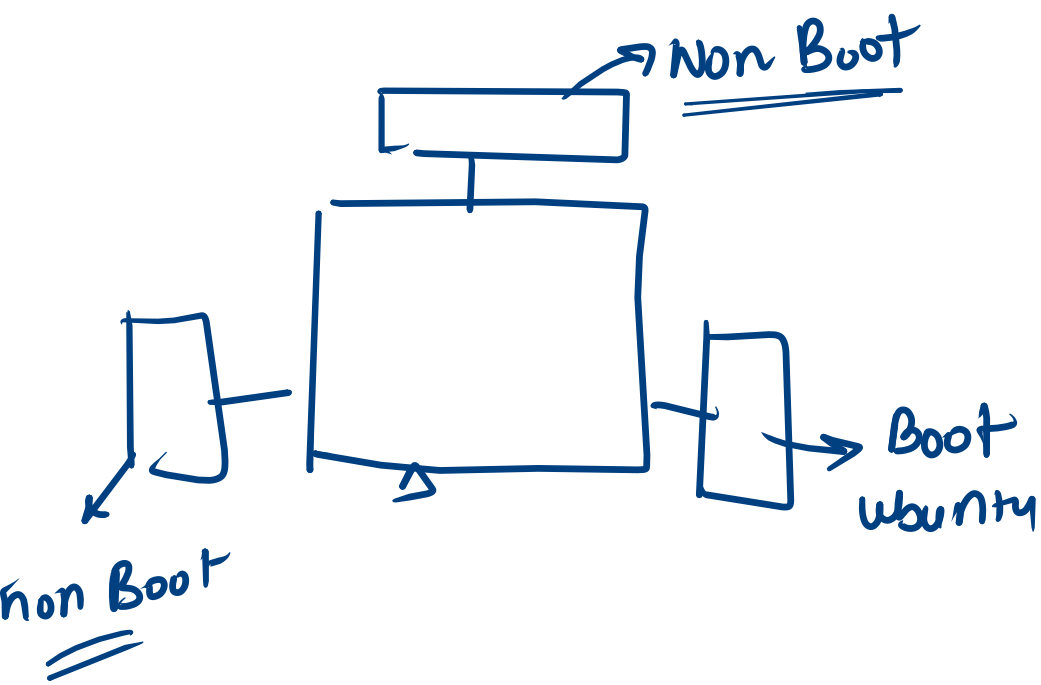
① Multiple disk backup.

② Create Replica of Instance with multiple storage.

Regardless of where the machine Image is stored, you can still access the machine image globally.

#. Includes
- ① Boot disk and additional attached disk
- ② Instance metadata
- ③ Network tags
- ④ IP address
- Firewall rules

④ Snapshot ÷ Backup of persistent disk.



(either boot or non boot)

→ Primarily used to backup or restore Individual disk.

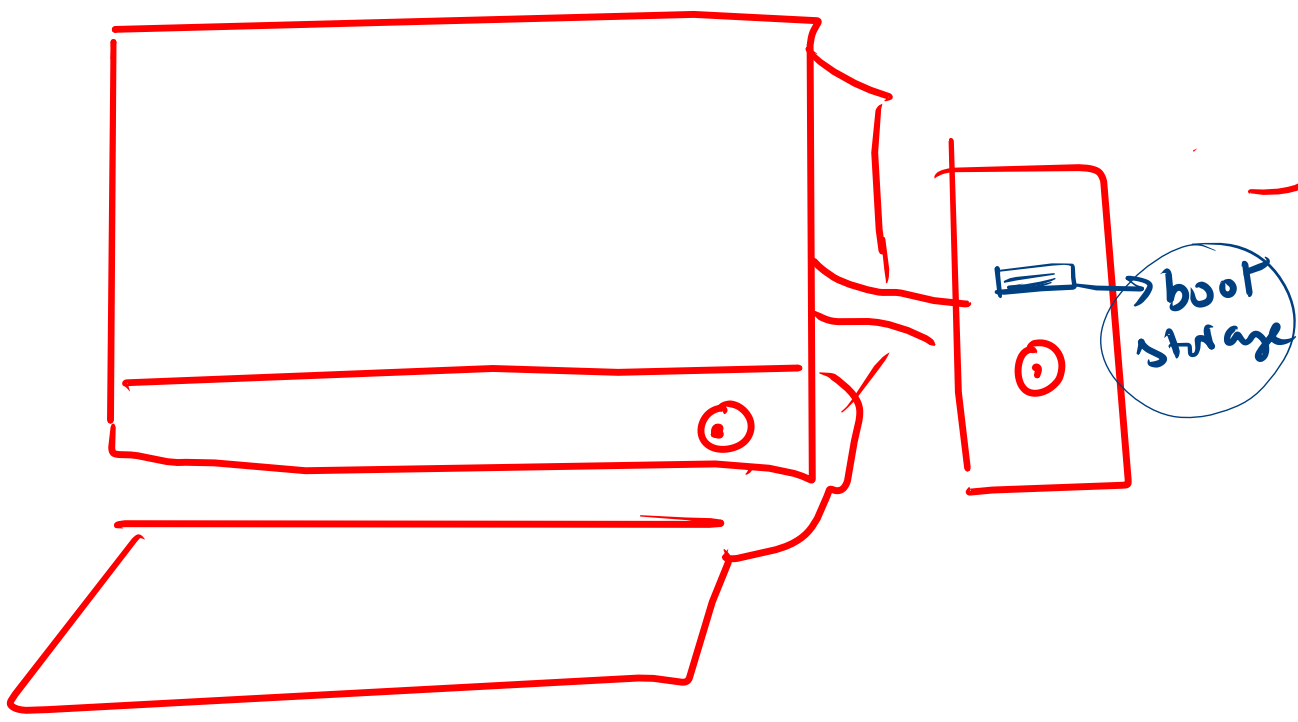
→ only the disk data is Included (no instance configuratin)

① Snapshot → Just disk data (boot or non boot)

② Custom Image → OS + installed s/w (but not the Instance config)

③ Machine Image → like cloning your entire computer (inc. Settings, network setup etc)

Custom Img → clone your entire boot storage (OS + files + s/w)



document
music
windows XP ✓
Chrome
VLC
Zoom

Snapshot = Taking backup of harddisk. ✓

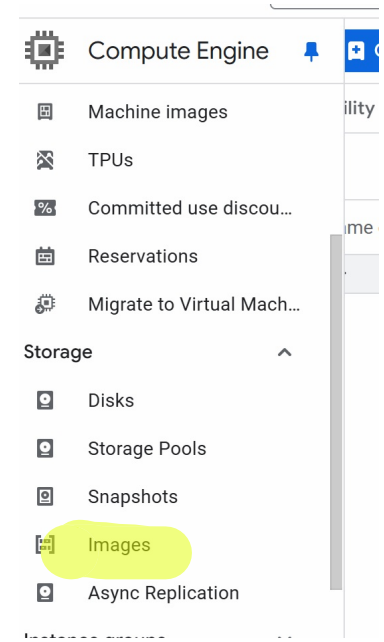
← Just the data

↓ only files

→ It will take backup of document, music etc..

Lab → ① Create a VM → with HTTP port enabled.
ubuntu

```
sudo su
apt update
apt install apache2 -y
cd /var/www/html
cat > index.html
helloworld
ctrl d to come out
```



② Go to compute → VM Instances → Image → Create Image

③ go to compute → create Instance → OS, Image → edit → select the custom Image.