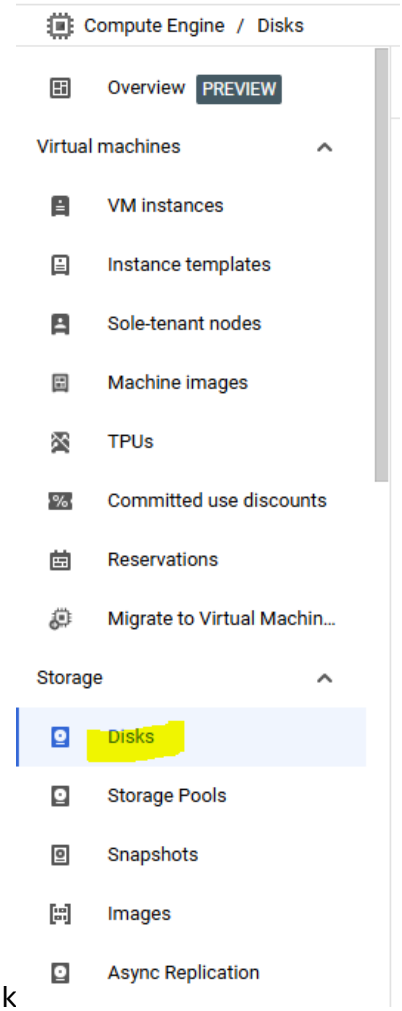
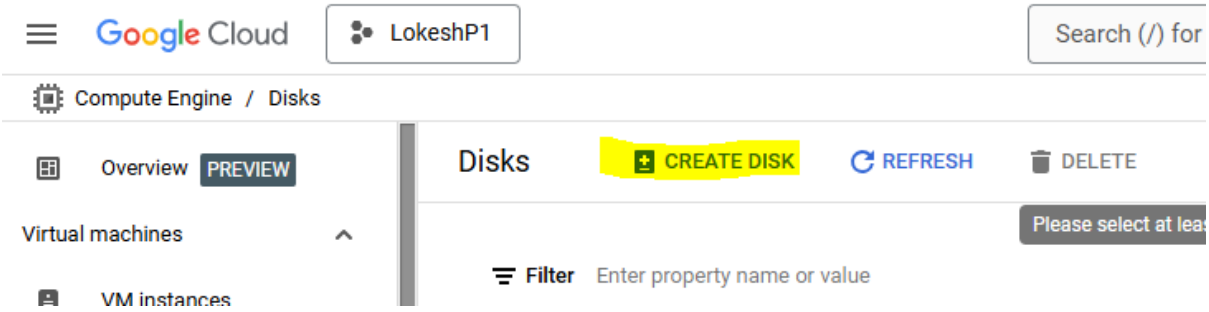
In this Lab we will see options of creating a data disk and how we can attach it to a VM.

Create and attach disk to instance

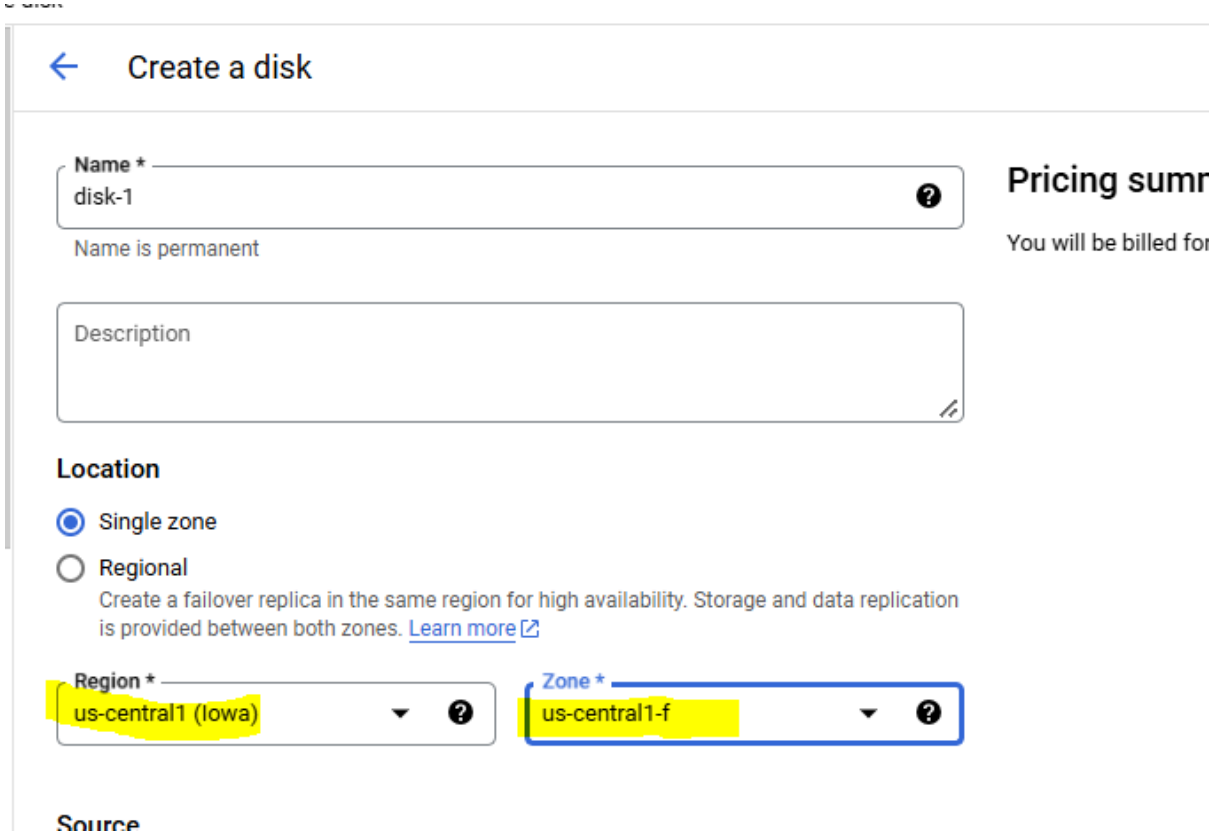
1) Go to Instance page from hamburger menu and scroll down to storage, select disk



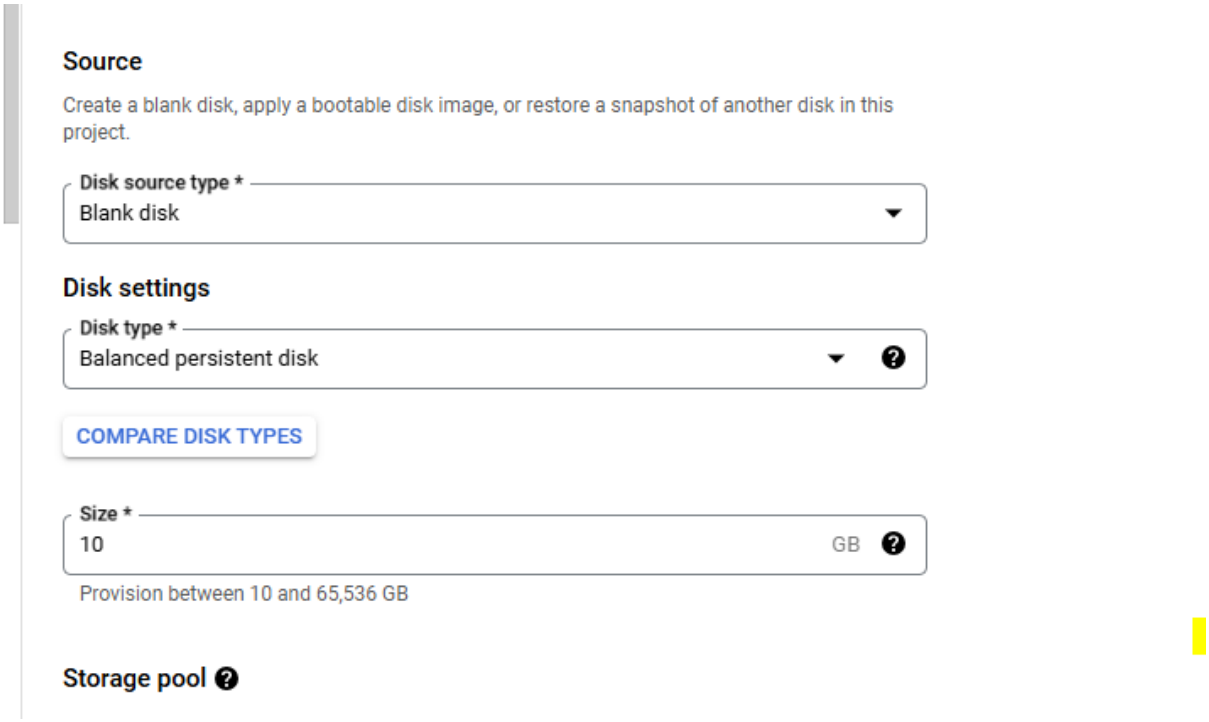
2) Click create disk



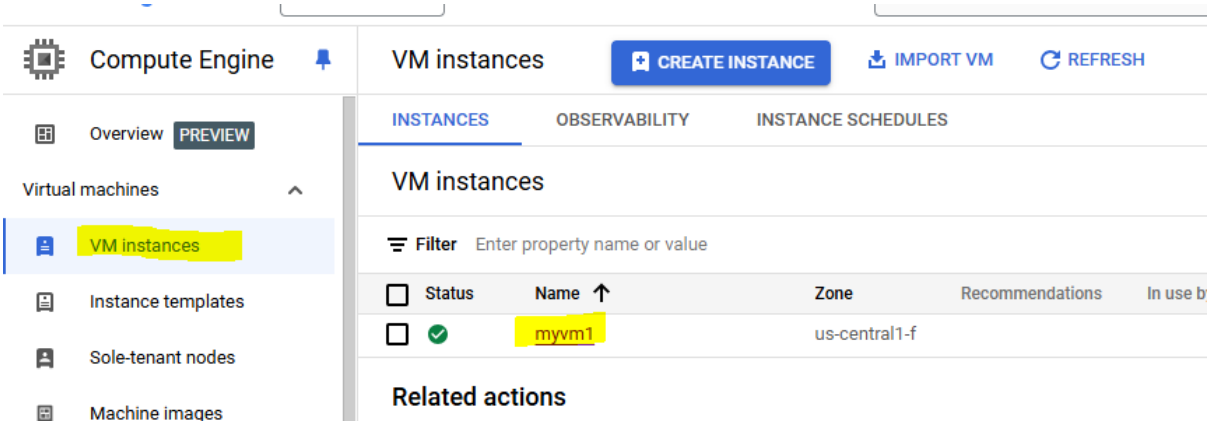
3) Give disk a name
4) Select the zone and regions, make sure to select it same as the VM you want to attach to.



5) Select disk type and required size



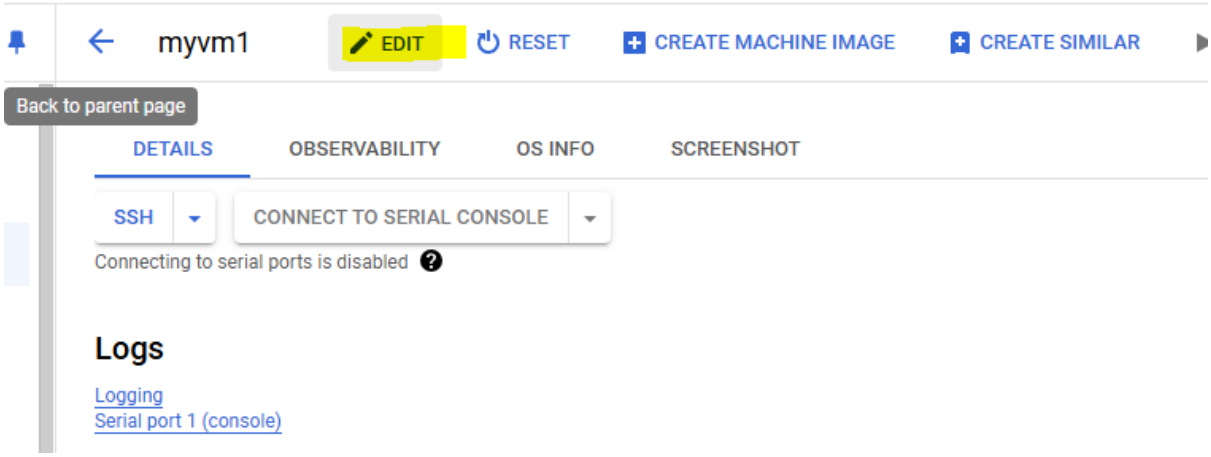
6) Click create at the bottom
7) Go back to vm instance page and click on name of the instance where want to connect disk



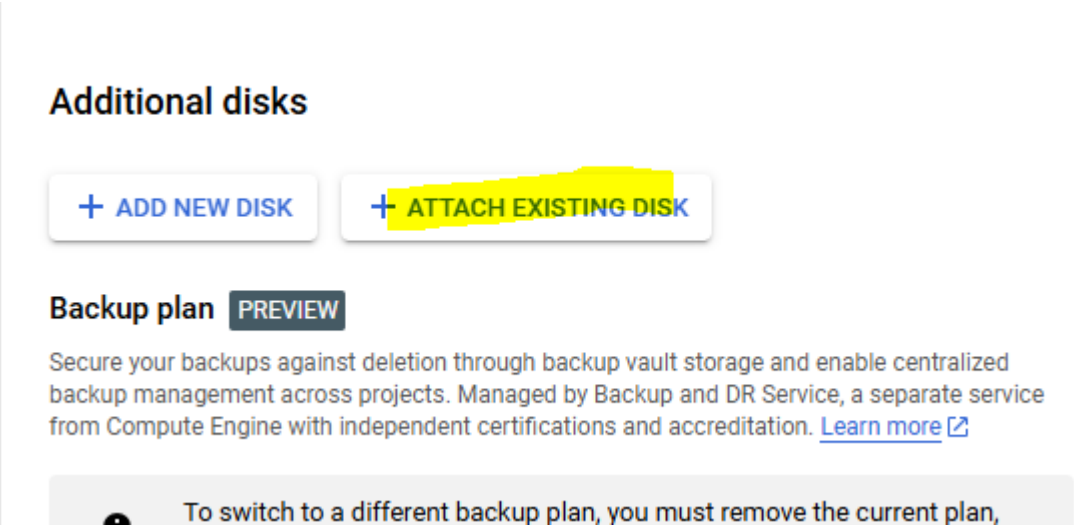
8) First connect to VM and run the **lsblk** command to see attached disks, it will show only boot volume

```
lokeshdrall111@myvm1:~$ hostname
myvm1
lokeshdrall111@myvm1:~$
lokeshdrall111@myvm1:~$
lokeshdrall111@myvm1:~$ lsblk
NAME    MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sdb       8:16   0   10G  0 disk
├─sdb1    8:17   0  9.9G  0 part /
├─sdb14   8:30   0    3M  0 part
└─sdb15   8:31   0  124M  0 part /boot/efi
lokeshdrall111@myvm1:~$
lokeshdrall111@myvm1:~$
```

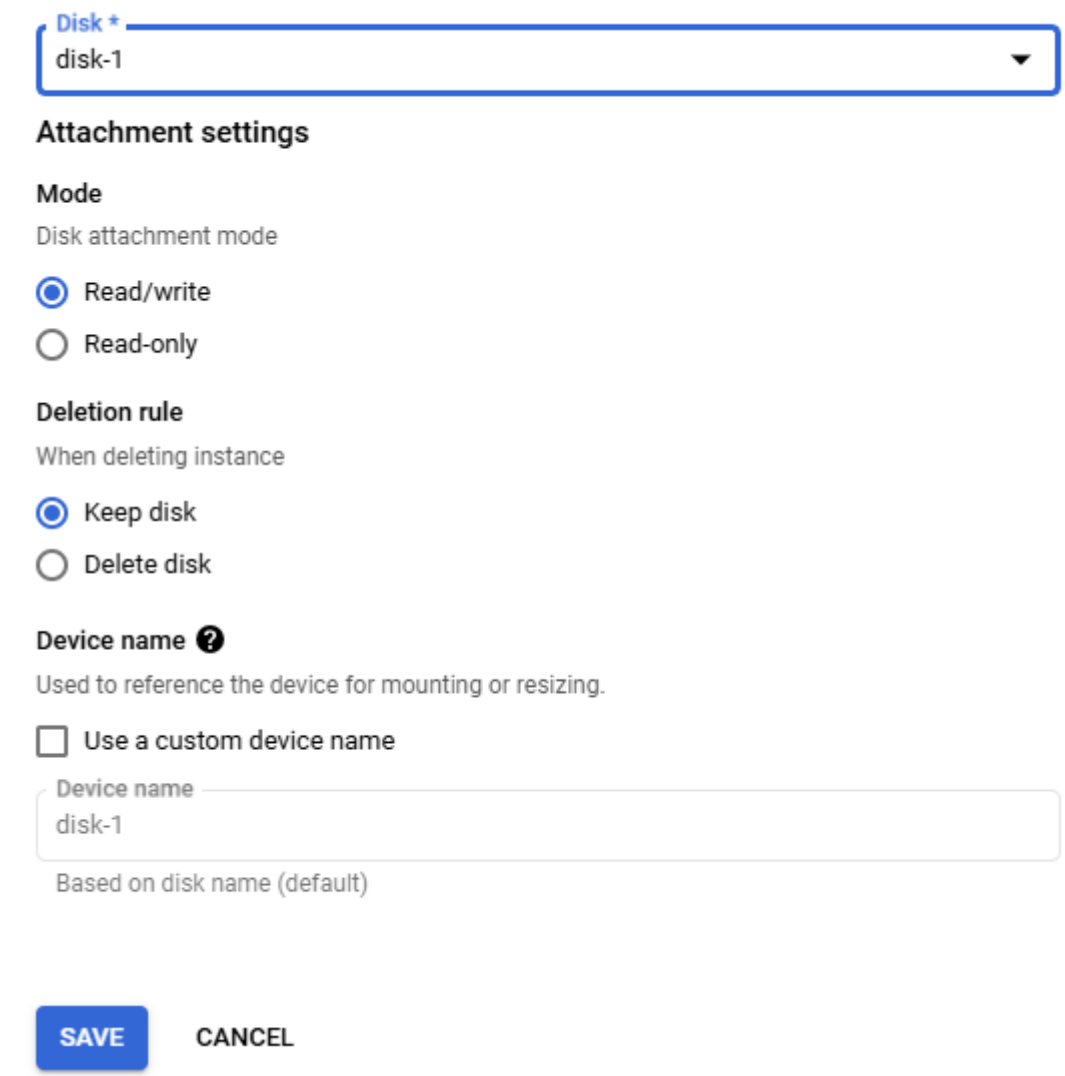
9) Now click edit



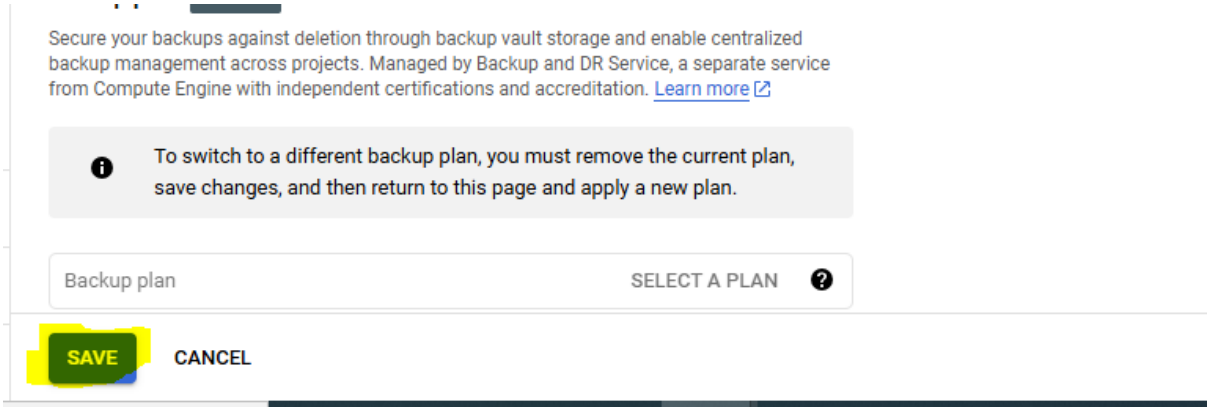
10) Scroll down and click attach existing disk



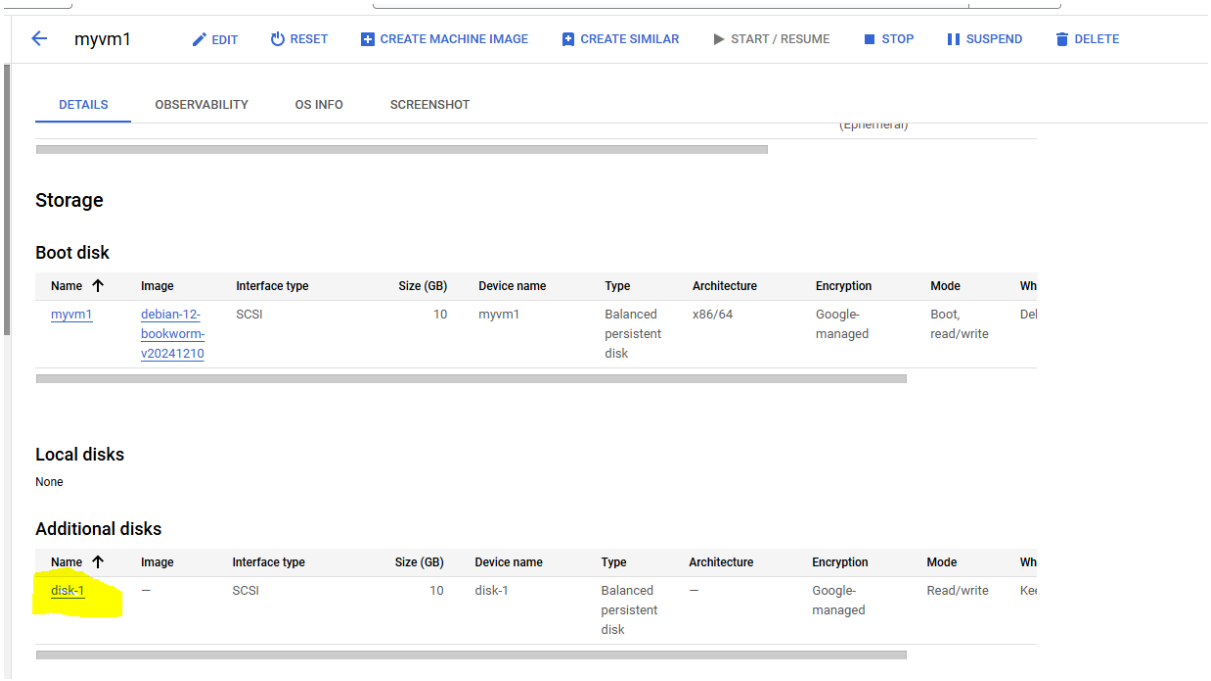
11) Select the newly created disk, keep it read/write and click save



12) Click save button at the bottom of the page



13) Now should be able to view that attached disk under local disks



14) Now if run lsblk again to vm, it will show additional disk as well

```
lokeshdrall111@myvm1:~$ lsblk
NAME    MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sdb       8:16   0   10G  0 disk
├─sdb1    8:17   0  9.9G  0 part /
├─sdb14   8:30   0    3M  0 part
└─sdb15   8:31   0  124M  0 part /boot/efi
lokeshdrall111@myvm1:~$
lokeshdrall111@myvm1:~$
lokeshdrall111@myvm1:~$
lokeshdrall111@myvm1:~$ lsblk
NAME    MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sda       8:0    0   10G  0 disk
sdb       8:16   0   10G  0 disk
├─sdb1    8:17   0  9.9G  0 part /
├─sdb14   8:30   0    3M  0 part
└─sdb15   8:31   0  124M  0 part /boot/efi
lokeshdrall111@myvm1:~$
```