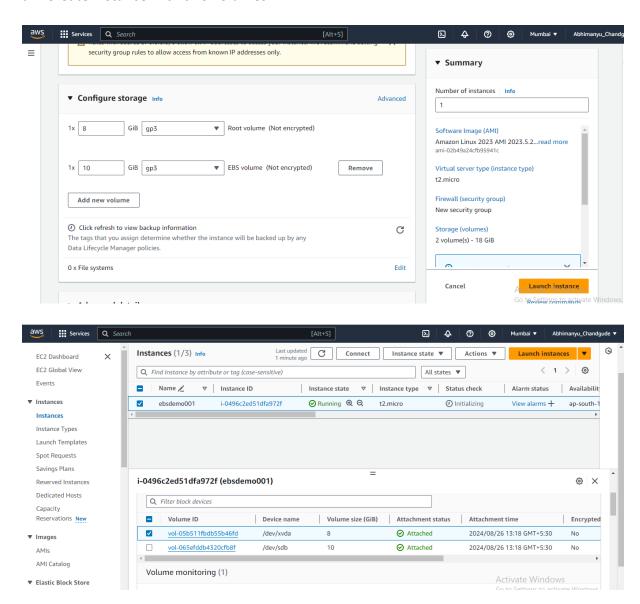
26th August 2024

> Increase size of Root EBS Volume from 8GB to 15 GB

a. Create instance with two volumes



b. Check the condition of Hard-disk

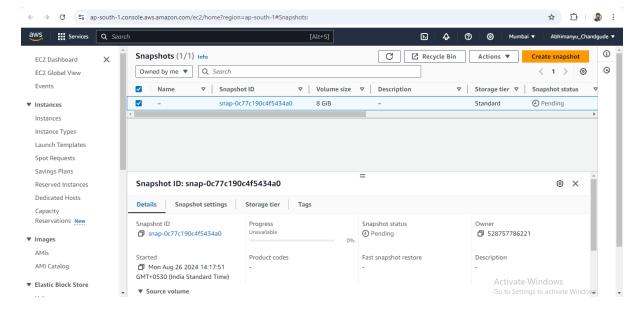
```
    root@ip-172-31-37-125:∼

                                                                                                                                                                                       ×
    login as: ec2-user
Authenticating with public key "awsdatal"
            #_
####
                                 Amazon Linux 2
                                 AL2 End of Life is 2025-06-30.
                                 A newer version of Amazon Linux is available!
                                 Amazon Linux 2023, GA and supported until 2028-03-15. 
https://aws.amazon.com/linux/amazon-linux-2023/
 ec2-user@ip-172-31-37-125 ~]$ sudu su -
 bash: sudu: command not found
ec2-user@ip-172-31-37-125 ~]$ sudo su -
 root@ip-172-31-37-125 ~]# df -h
                        |-37-125 ~] # df -h
Size Used Avail Use% Mounted on
467M 0 467M 0% /dev
477M 0 477M 0% /dev/shm
477M 408K 476M 1% /run
477M 0 477M 0% /sys/fs/cgroup
8.0G 1.8G 6.3G 23% /
96M 0 96M 0% /run/user/1000
Filesystem
devtmpfs
tmpfs
 mpfs
 mpfs 96M 0
root@ip-172-31-37-125 ~]#
```

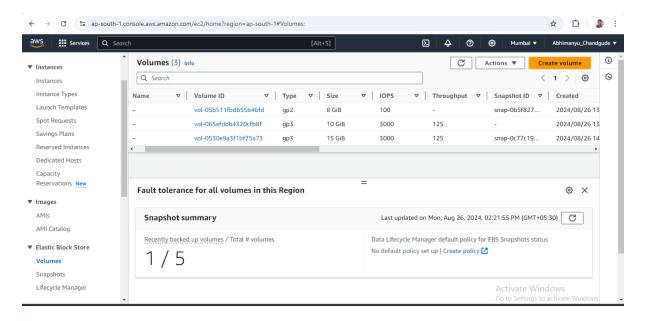
c. Create and mount the directory

```
Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done
[root@ip-172-31-37-125 ~] # mkdir /home/abhimanyu
[root@ip-172-31-37-125 ~]#
[root@ip-172-31-37-125 ~] # mount /dev/xvdb /home/abhimanyu
[root@ip-172-31-37-125 ~] # df -h
Filesystem
               Size Used Avail Use% Mounted on
               467M
                        0 467M
devtmpfs
                                  0% /dev
               477M
                        0 477M
                                  0% /dev/shm
tmpfs
               477M 496K
                                  1% /run
                          476M
tmpfs
tmpfs
               477M
                           477M
                                  0% /sys/fs/cgroup
/dev/xvdal
               8.0G 1.8G 6.3G 23% /
                           96M 0% /run/user/1000
tmpfs
                96M
                96M
                           96M 0% /run/user/0
tmpfs
                      24K 9.2G
                                  1% /home/abhimanyu
/dev/xvdb
               9.7G
[root@ip-172-31-37-125 ~]#
```

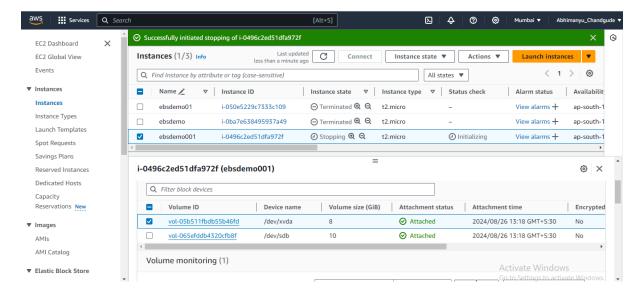
d. Take snapshot of Root EBS Volume



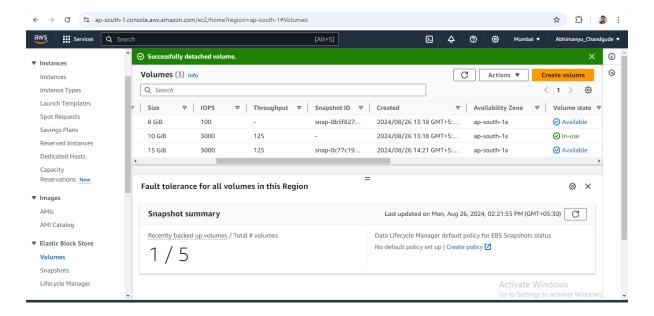
e. Create Volume from Snapshot



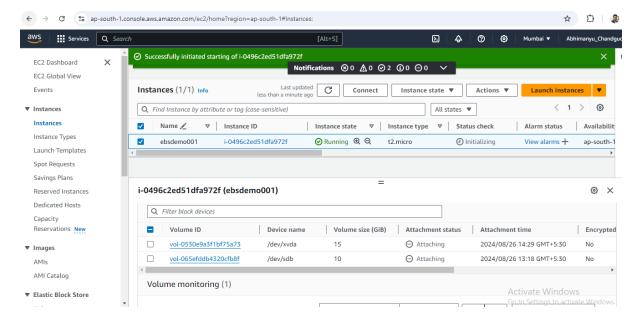
- f. Detach previous Root EBS Volume (8 GB)
 - 1. Stop the Root EBS Volume instance (8 GB)



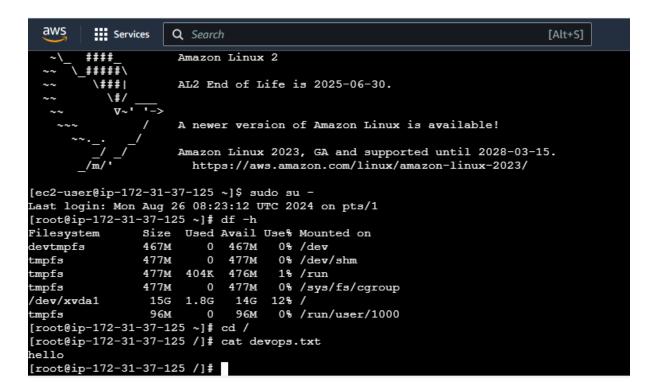
2. Detach the Root EBS Instance



g. Attach new Root EBS Volume (15 GB)

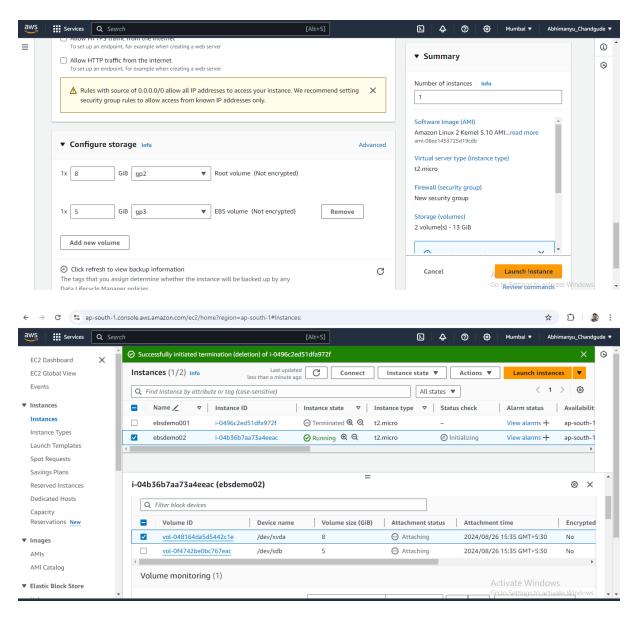


h. Check new Root EBS Volume and check the file



> Increase size of EBS Volume from 8GB to 15 GB

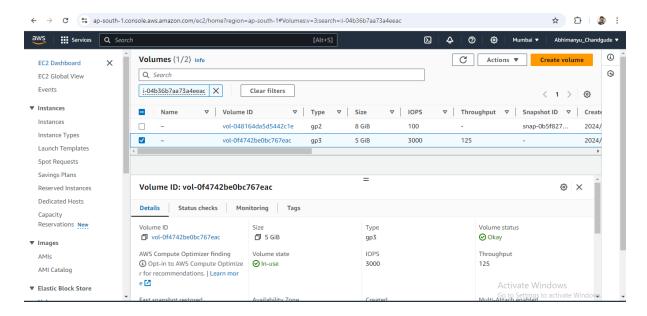
a. Create instance with two volumes



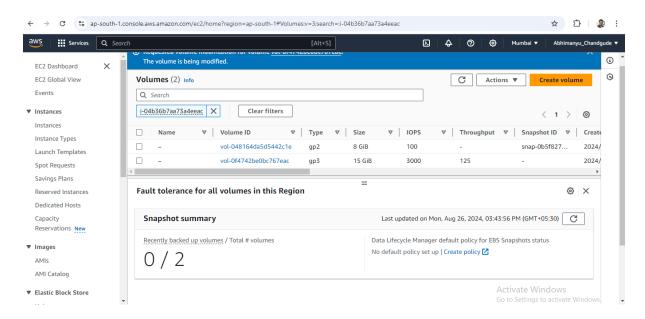
b. Create and mount the directory

```
[root@ip-172-31-47-48 ~] # mkdir /home/abhimanyu
[root@ip-172-31-47-48 ~] # mount /dev/xvdb /home/abhimanyu
[root@ip-172-31-47-48 ~]#
[root@ip-172-31-47-48 ~]#
[root@ip-172-31-47-48 ~] # df -h
Filesystem
                Size
                       Used Avail Use% Mounted on
                                    0% /dev
devtmpfs
                467M
                          0
                             467M
tmpfs
                          0
                                    0% /dev/shm
                477M
                             477M
tmpfs
                                    1% /run
                       408K
                             476M
                477M
tmpfs
                477M
                          0
                             477M
                                    0% /sys/fs/cgroup
                       1.8G
                                   23% /
/dev/xvda1
                8.0G
                             6.3G
tmpfs
                 96M
                          0
                              96M
                                    0% /run/user/1000
/dev/xvdb
                4.8G
                        24K
                             4.6G
                                    1% /home/abhimanyu
[root@ip-172-31-47-48
```

c. Check the EBS Volume with instance ID



d. Modify EBC Volume from 5 GB to 15 GB with the action of Modify Volume



e. Extend the file system after resizing an EBS Volume

