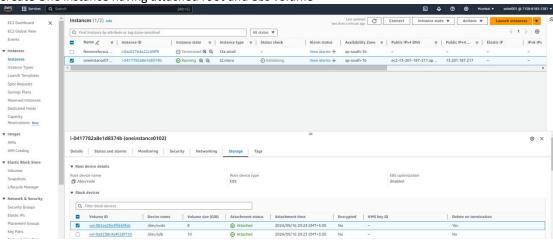
#### Sohel Pathan

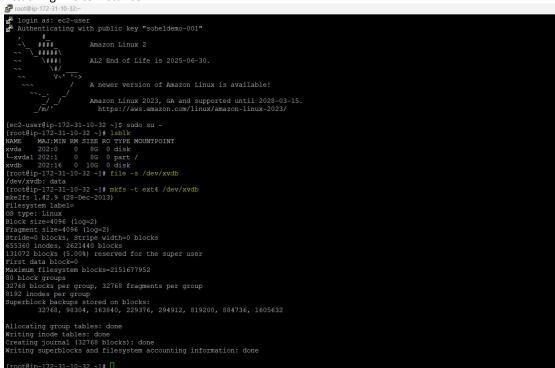
#### Task 1

### \*\*Create One instance having attached root and ebs volume\*\*

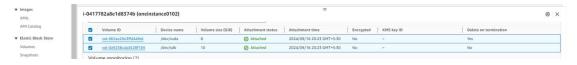
Create One instance having attached root and ebs volume



## Attaching EBS to instance



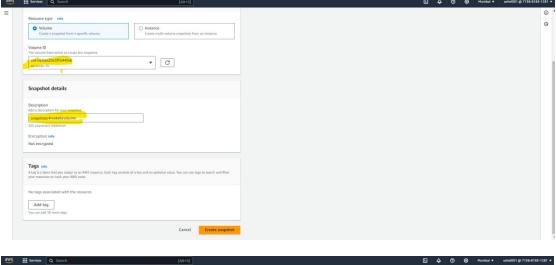
We can see both volumes are attached.



# \*\*Increase the size of root EBS volume\*\*

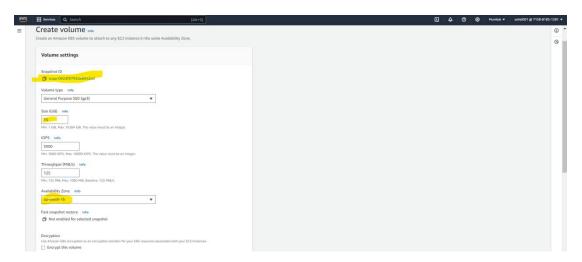
1. If we need to increase the size of root ebs volume snapsot is required.(Snapshot is chargable. Size of snapshot = size of volume)

Create snapshot of root ebs volume





2. Create volume using snapshot make Availability of zone and instance is same.



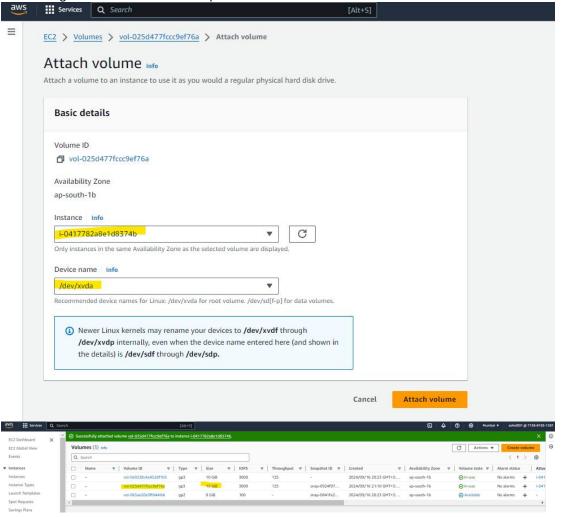
3. Stop instance



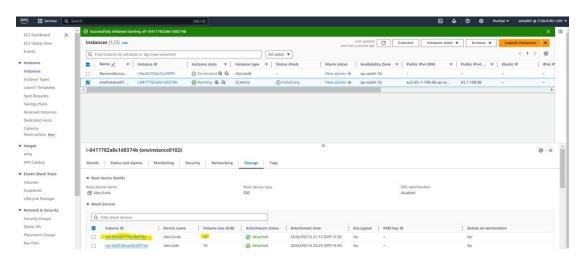
4. Detaching root ebs volume



5. Attaching root ebs volume from Snapshot to the instance



6. Start the instsance we se the volume is extended

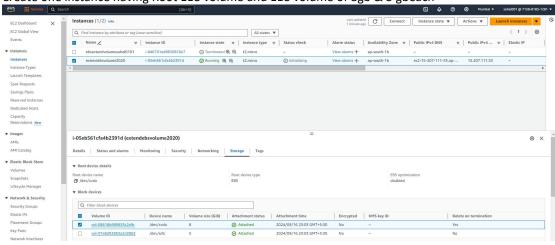


Succesfully extended root ebs volume to 15 gb

```
| Cordination | Color | Color
```

# 3. Increase the size of EBS Volume

Create one instance having Root EBS volume and EBS volume of 8gb & 5 gbeach



Need to increase size of EBS volume Before increasing the size:

```
root@ip-172-31-0-178:~
                                                                               login as: ec2-user
  Authenticating with public key "soheldemo-001"
        ####
                      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-172-31-0-178 ~]$ sudo su -
[root@ip-172-31-0-178 ~] # lsblk
       MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
NAME
xvda 202:0 0 8G 0 disk

Lxvda1 202:1 0 8G 0 part /

xvdb 202:16 0 5G 0 disk
[root@ip-172-31-0-178 ~]# [
```

# Modify the size of as per we want: Succesfully extended the size of EBS Volume

#### Now use Resize2fs command to extend the volume



```
[root&ip-172-31-0-178 -] # resize2fs dev/zvdb
resize2fs 1.42.9 (28-Dec-2013)
open: No such file or directory while opening dev/zvdb
[root&ip-172-31-0-178 -] # resize2fs (dev/zvdb)

resize2fs 1.42.9 (28-Dec-2013)
Filesystem at /dev/zvdb is mounted on /home/schel; on-line resizing required
old desc_Dlock = 1, mev desc_Dlock = 2
The filesystem on /dev/zvdb is now 3932160 blocks long.
[root&ip-172-31-0-178 -] # Sable

NAME MARKET MARKET SABLE
NAME MARKET MARKET SABLE
NAME MARKET MARKET SABLE
|-gvda 2021 0 8c 0 part /
vzdb 20211 0 8c 0 part /
Filesystem Size Used Avail Usek Mounted on
devtrapfs 670 0 4670 Wolder
Filesystem Size Used Avail Usek Mounted on
devtrapfs 4770 4124 4760 18 / vum
tumpfs 4770 4124 4760 18 / vum
tumpfs 4770 0 4770 0 4770 08 / vys/fs/group
/dev/zvdb 8.06 1.86 6.36 28 / vum
tumpfs 18.06 1.86 6.36 28 / v
```