AWS-Elastic Block Store

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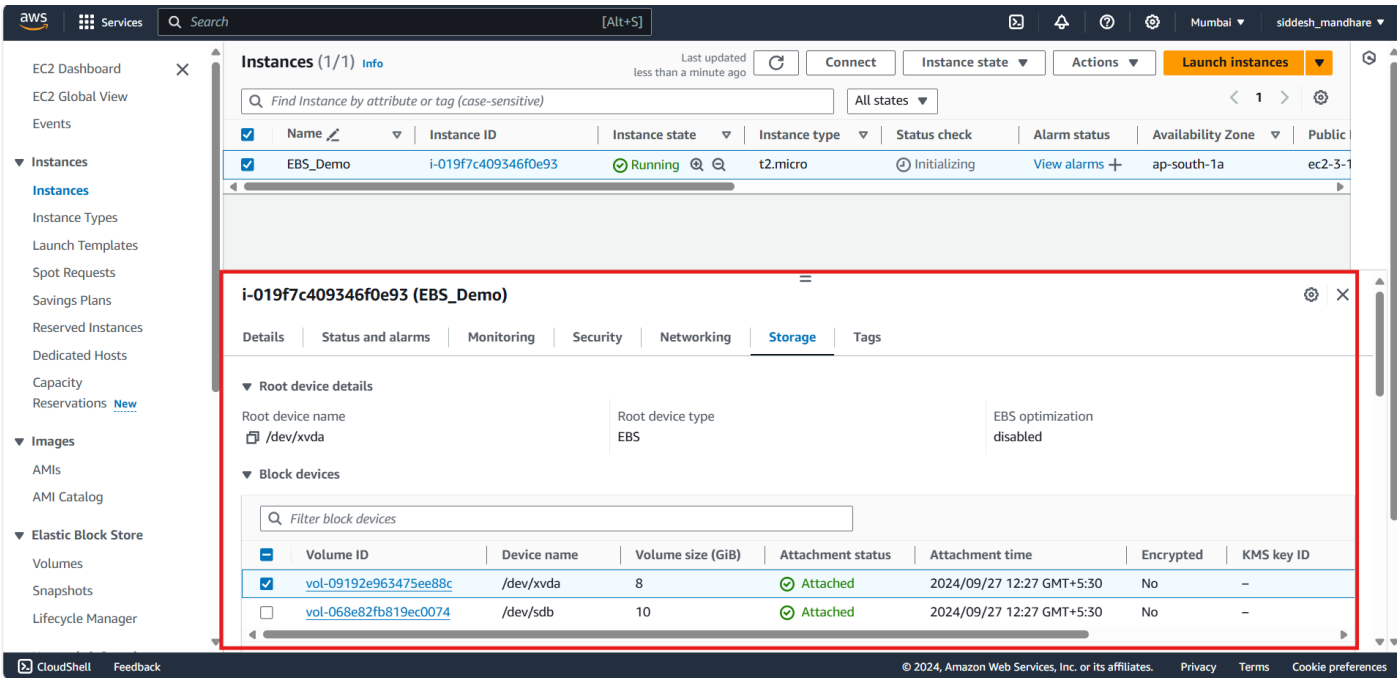
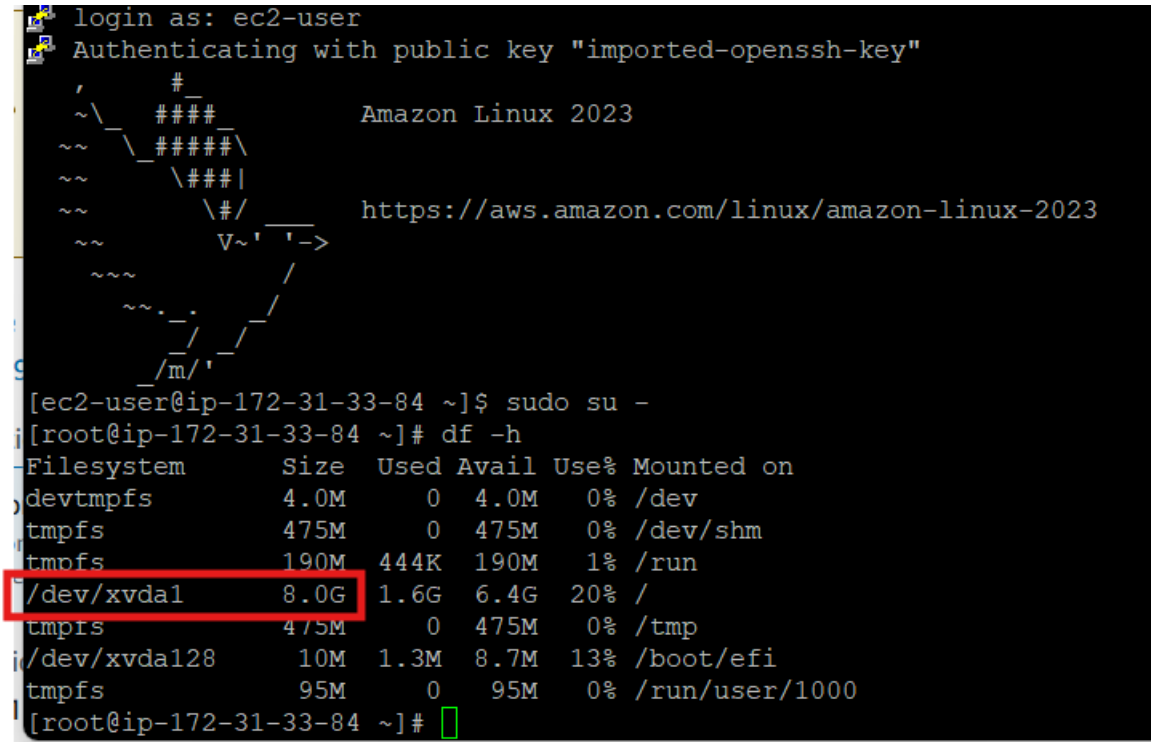
Practical 1 - Create one instance and attached root & EBS volume

Step 1 – Created one instance with Root volume and EBS volume

- Name- EFS_Demo
- OS- Linux
- AMI- Ameon Linus AMI (Free tier)
- Instance type- T2.micro
- Keypair

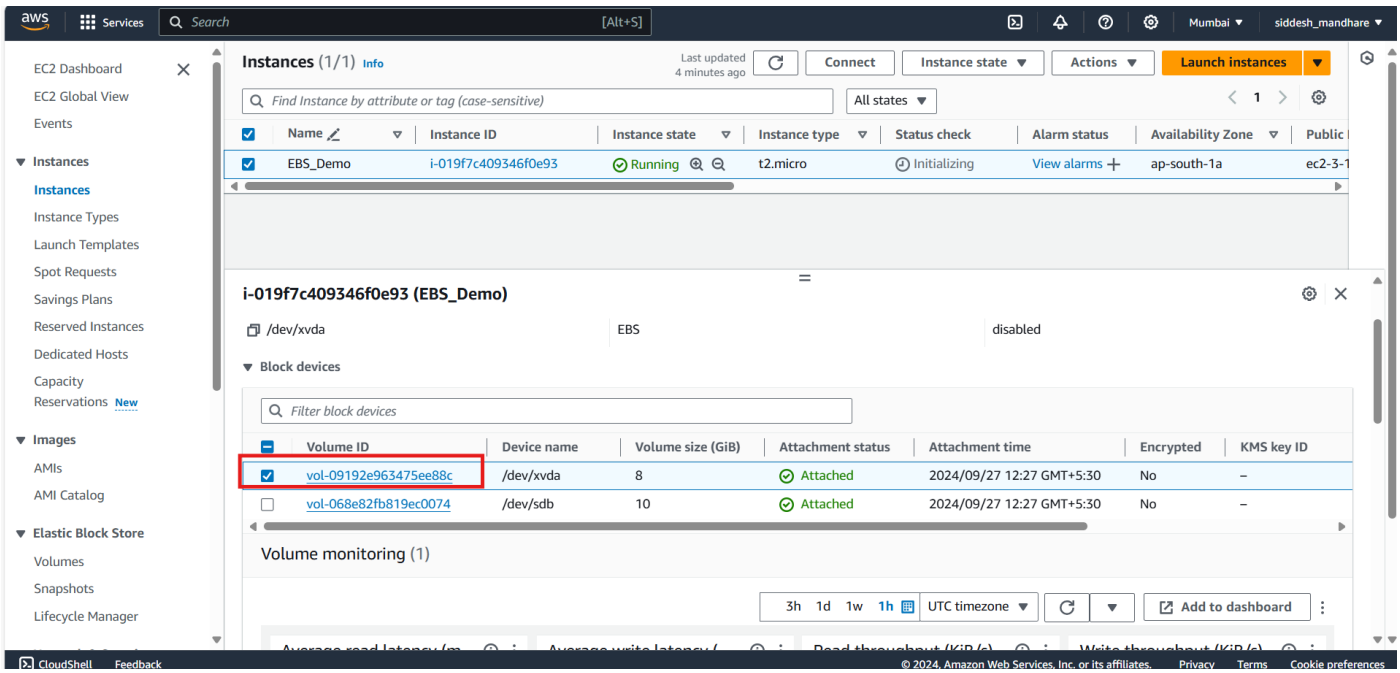




Practical 2: - Increase the size of root EBS Volume.

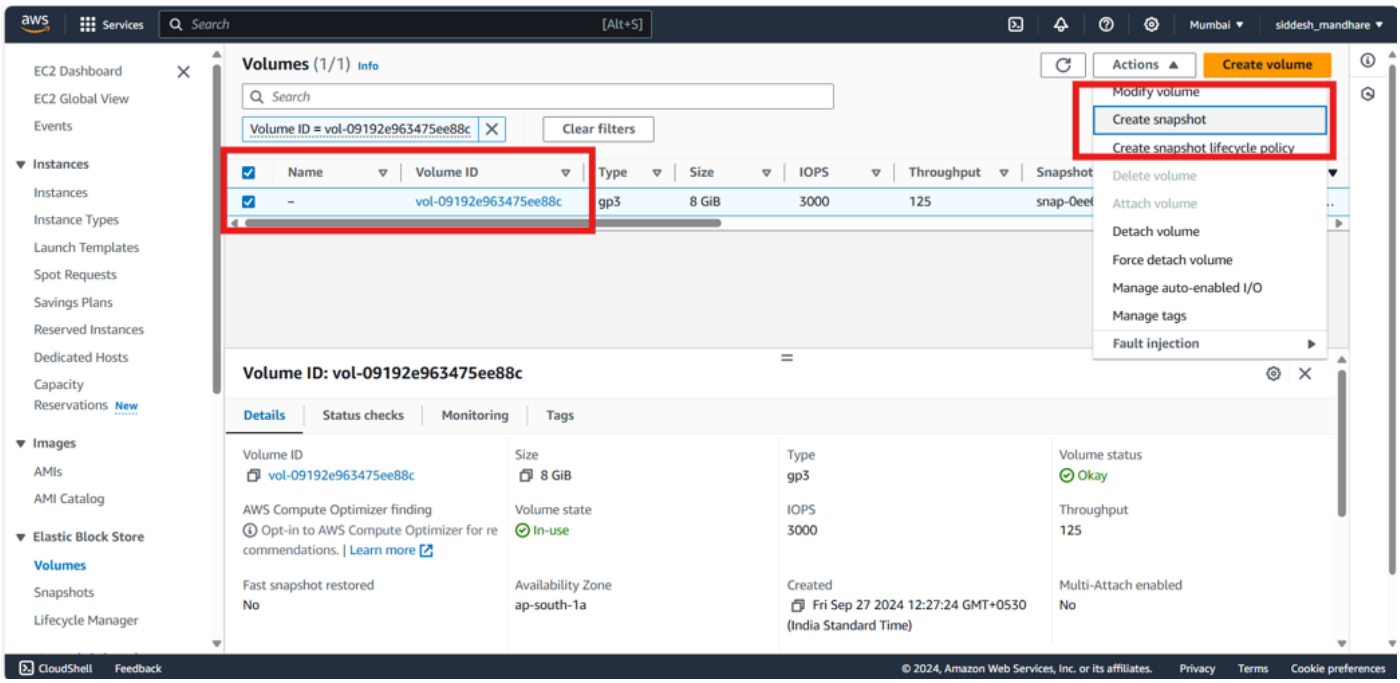
Step 1: - To increase the root EBS volume, a snapshot is required (note that this is chargeable, and the snapshot size equals the volume size).

A snapshot for the root EBS volume has been created

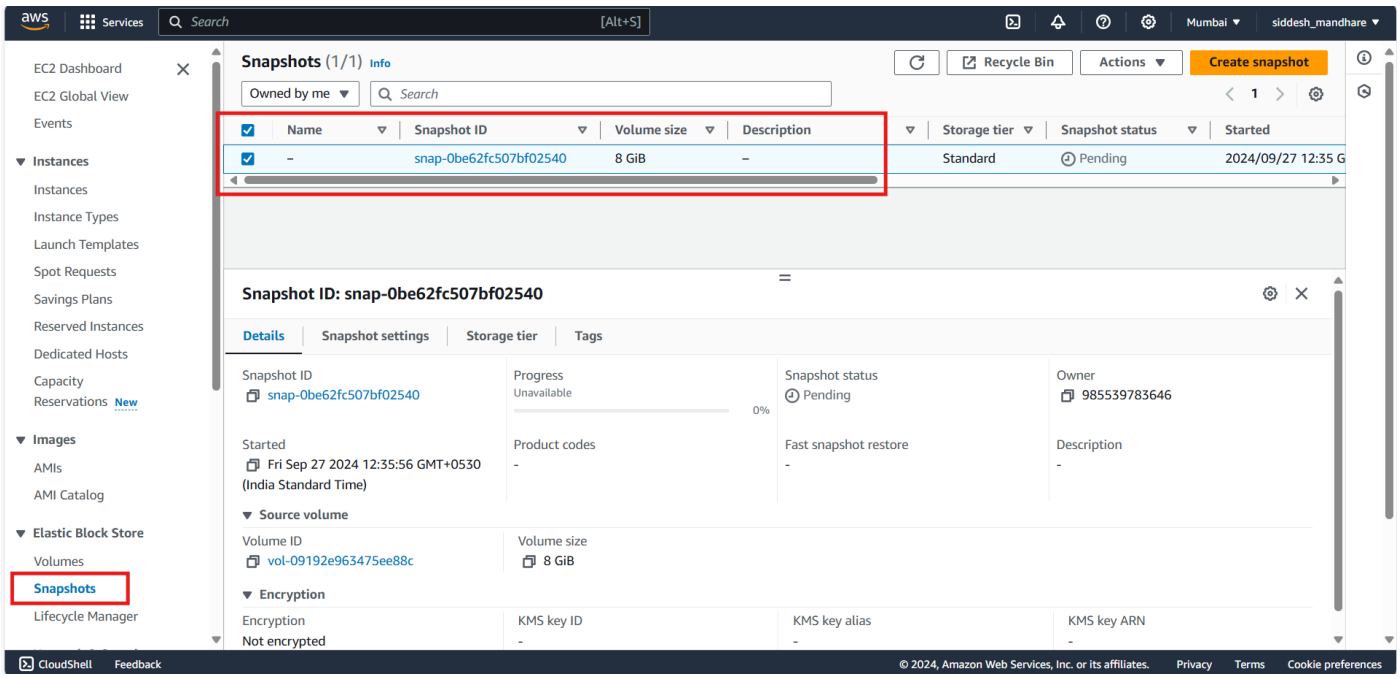


Step 2: - Create Snapshot

- Click on Root EBS volume
- Select volume and go to action>Create snapshot

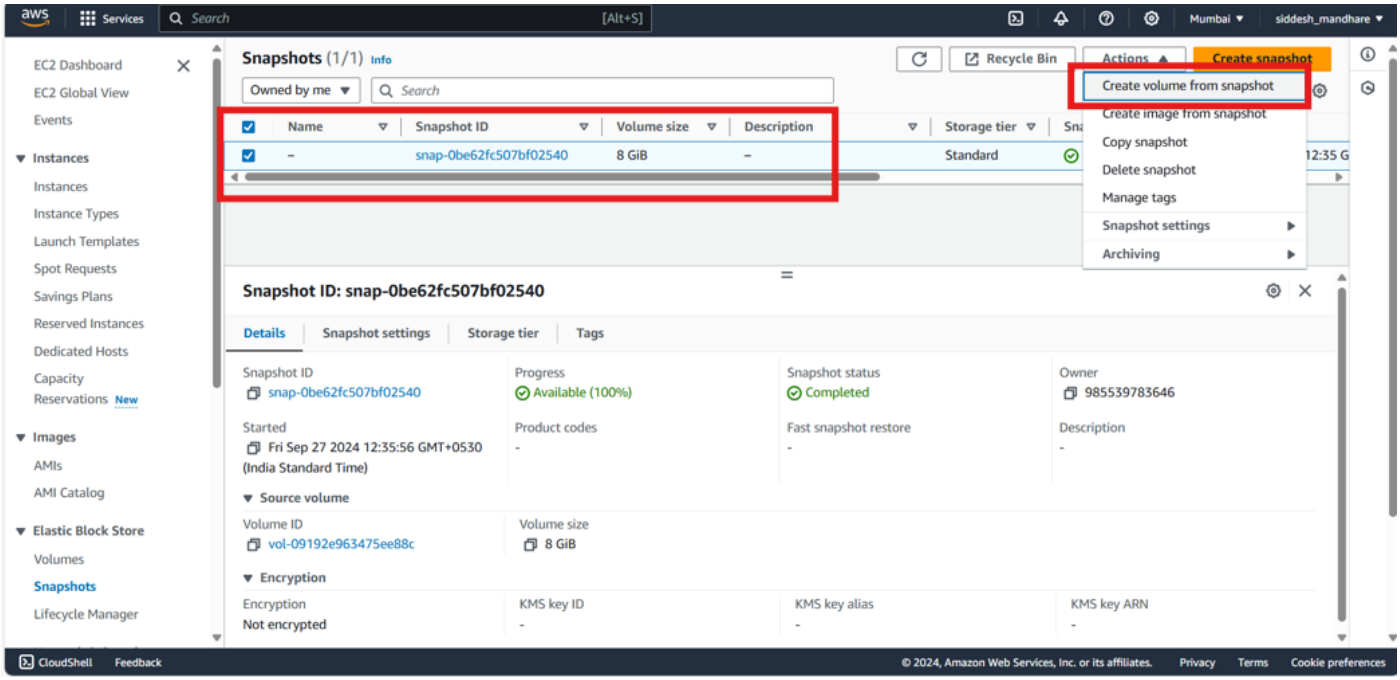


- Go to “snapshot” section newly created snapshot will appear.

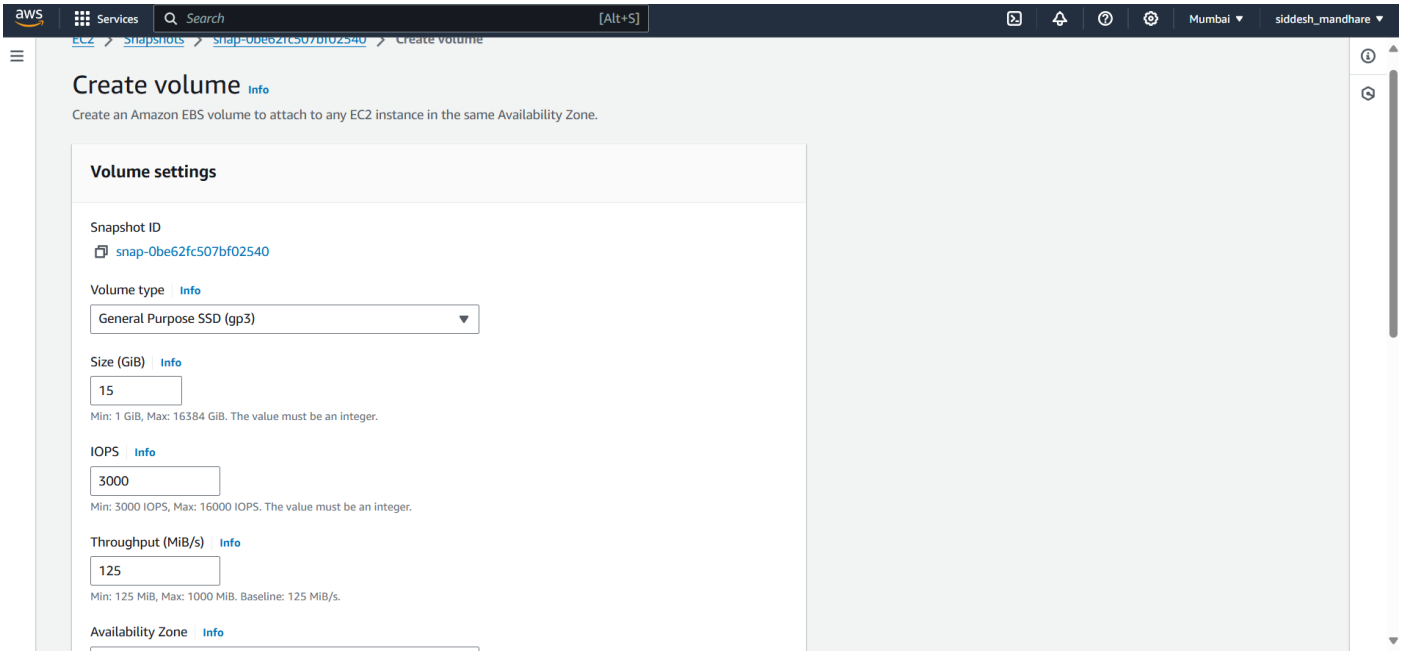


Step 3: - Create volume from Snapshot (make sure availability zone should be same as instance)

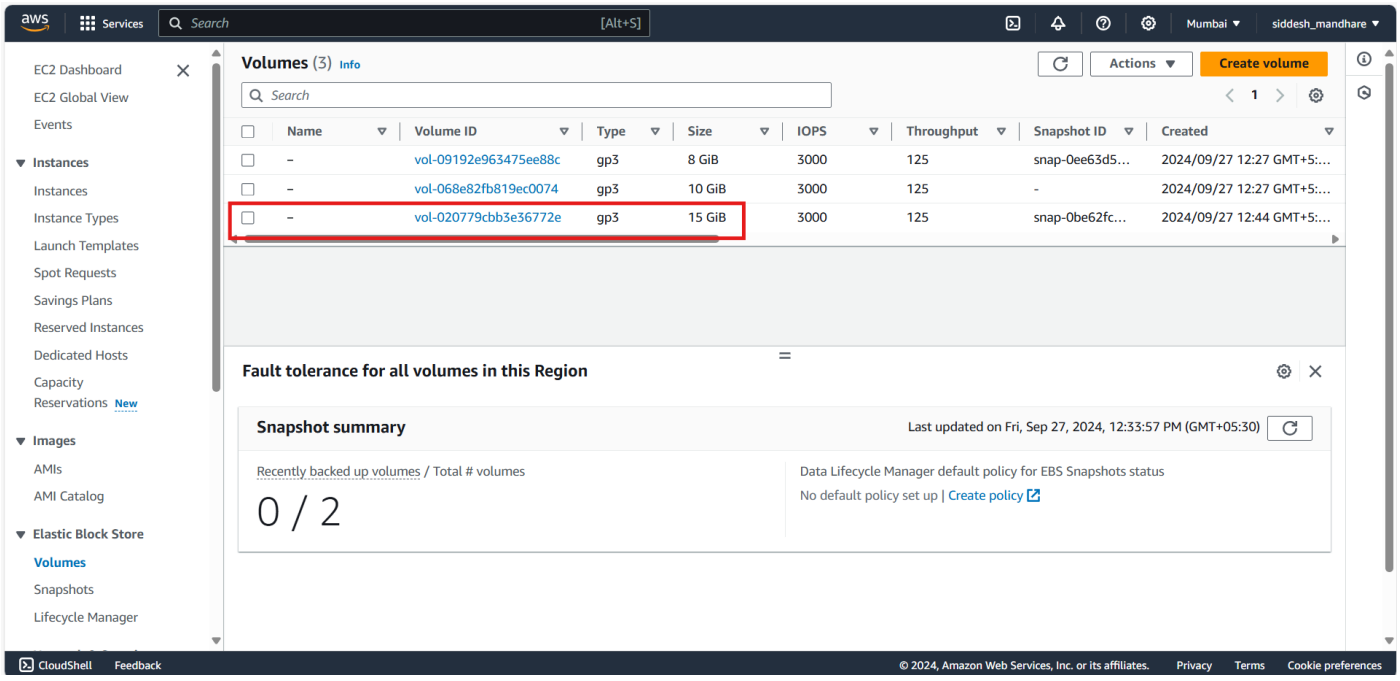
- Select snapshot which is we created
- Go to “action” an select “Create volume from snapshot”



- Select as per below

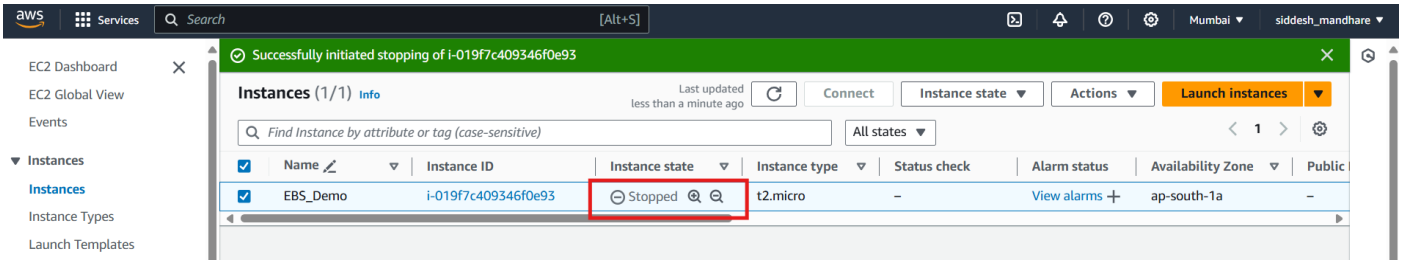


- New Volume is created

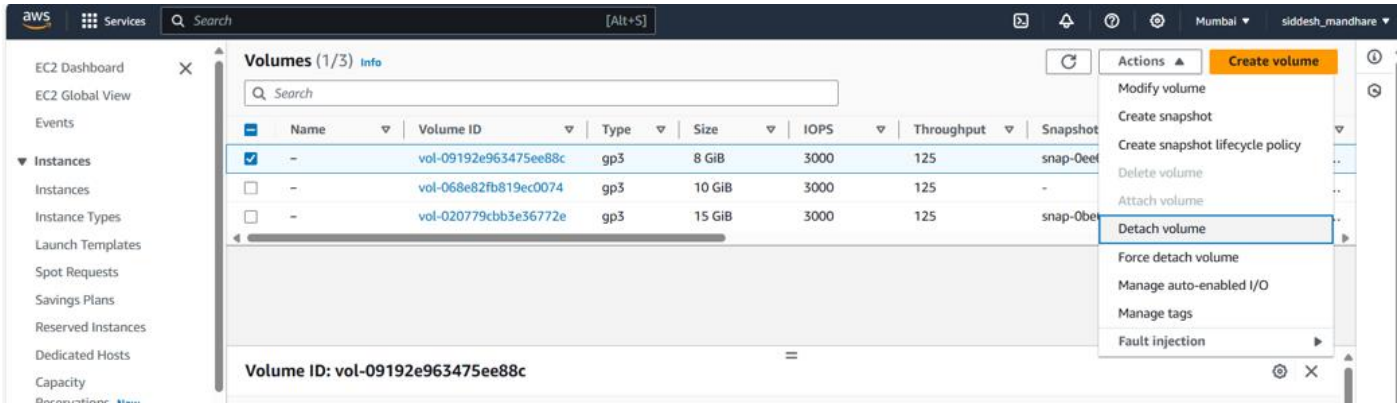


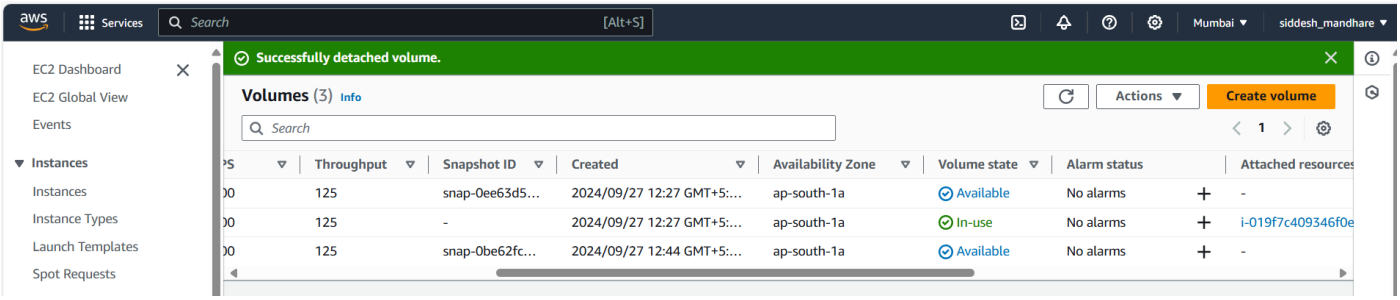
Note→ Now I want to detached old root EBS volume (8GB) and then attached new (15GB) volume

Step 4: – Stop Instance (EFS_Demo)

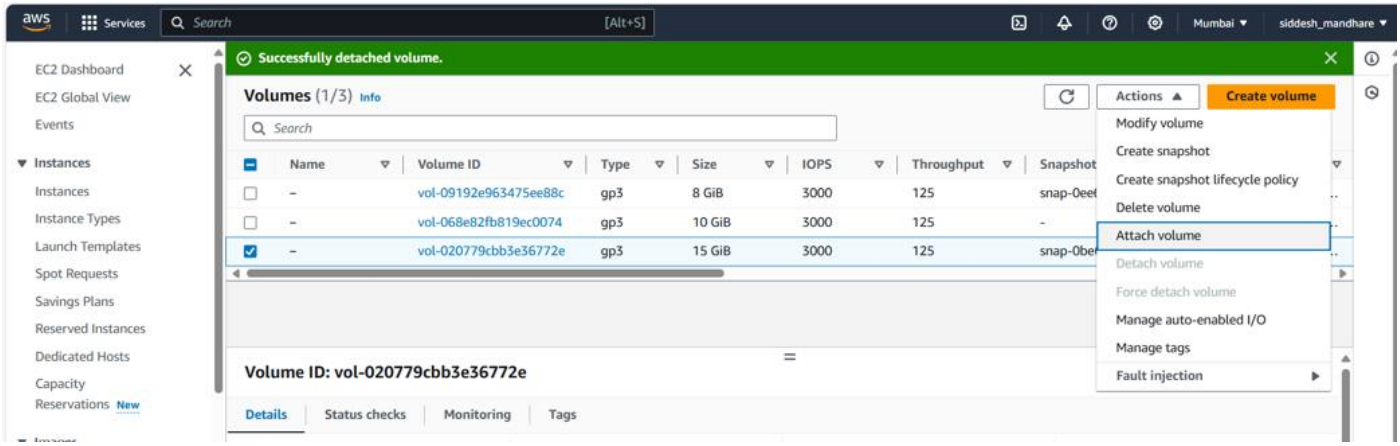


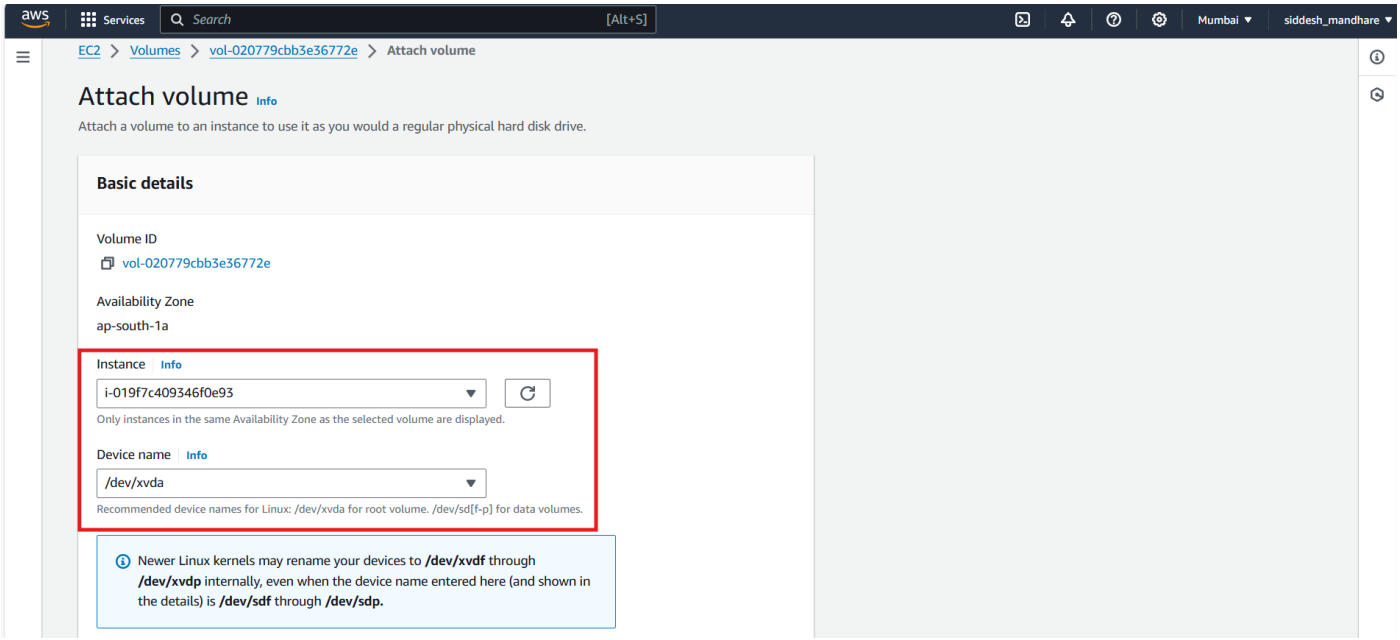
Step 5: - Go to the volume and click" action" > select old "root EBS volume" (8GM) and click on "detach volume."

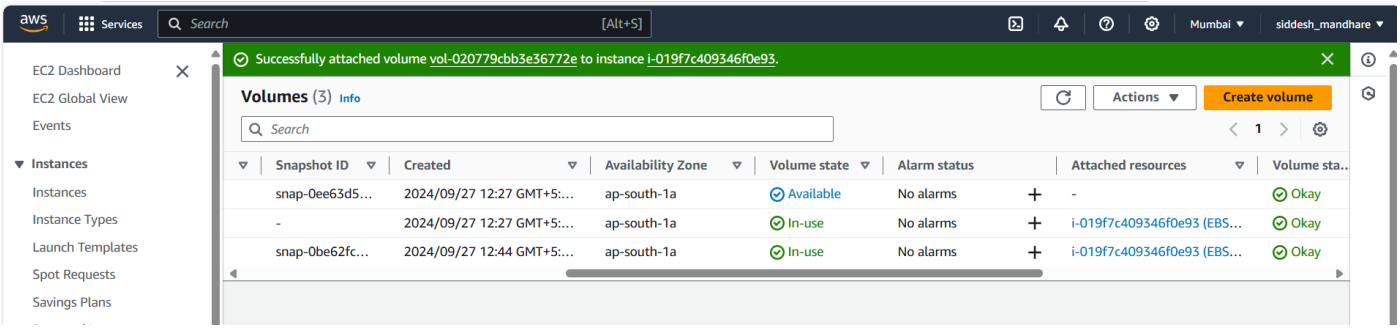




Step 6: - Select new EBS volume (15GB) go to "action" > and click "Attach volume"







Step 7: - Launch putty

- Go to root (sudo su -)
- For details ("Df -h")
- Now we can see root EBS volume will be 15 GB.

```
[ec2-user@ip-172-31-33-84 ~]$ sudo su -
[root@ip-172-31-33-84 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M     0  4.0M   0% /dev
tmpfs           475M     0  475M   0% /dev/shm
tmpfs           190M  448K  190M   1% /run
/dev/xvda1       15G  1.6G   14G  11% /
tmpfs           475M     0  475M   0% /tmp
/dev/xvda128     10M  1.3M  8.7M  13% /boot/efi
tmpfs            95M     0   95M   0% /run/user/1000
[root@ip-172-31-33-84 ~]#
```