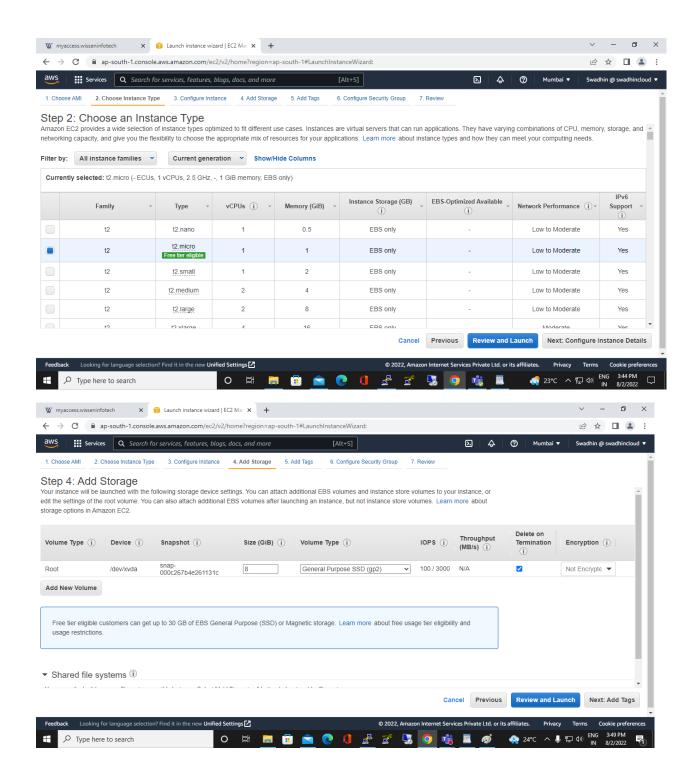
Volume - Elastic Block Storage

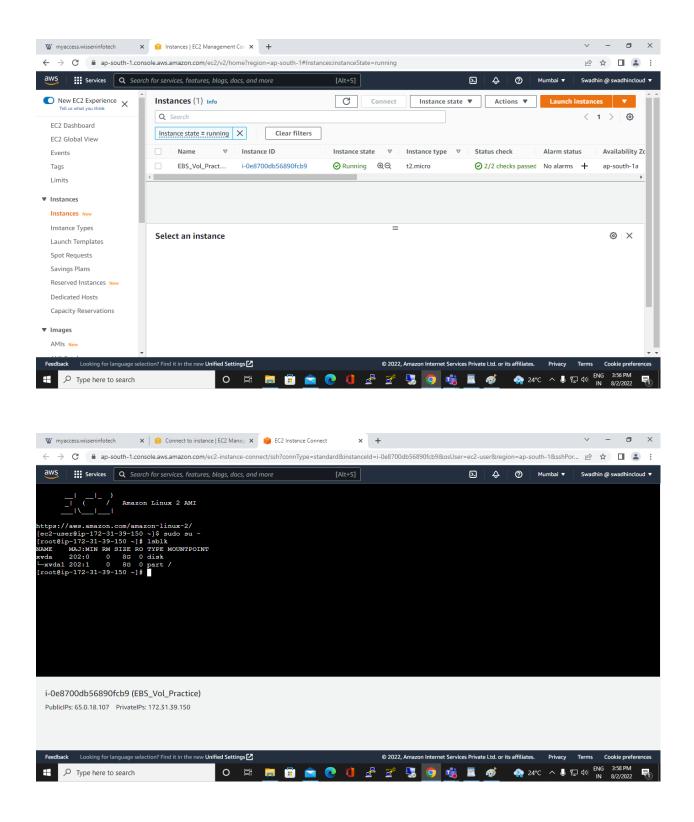
EBS - Block based storage

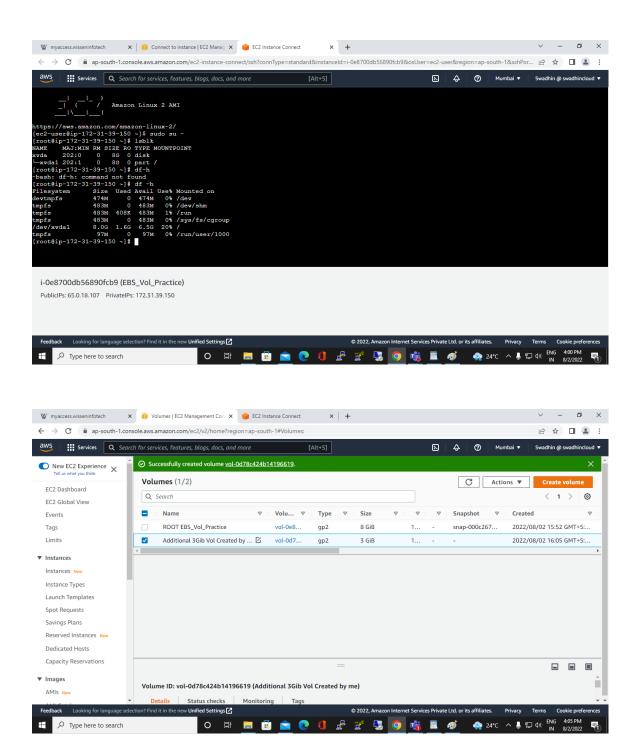
- 1. Volume can be attached and detached when required.
- 2. We can attach multiple Additional Volume to the EC2 Instance.
- 3. EC2 instance has default Volume and that is called ROOT VOLUME
- 4. The Root Volume always has OS (Windows, Linux Mac..)
- 5. EC2 can have one ROOT Volume but EC2 instance can have multiple Additional Volume.
- 6. Maximum Size of EBS Volume is 16TB but it's Default 8GB
- 7. Volume Size Can be Increase NOT NEED TO STOP EC2 instance & Volume Size can't be decrease
- 8. It's not possible to Detach the ROOT volume without stopping the instance, we have to STOP first EC2 instance then We can detach the ROOT Volume
- 9. It's possible to Detach the ROOT volume without stopping the instance, BUT It's NOT RECOMMENDED
- 10. EC2 instance & Volume should be in the same Availability Zone

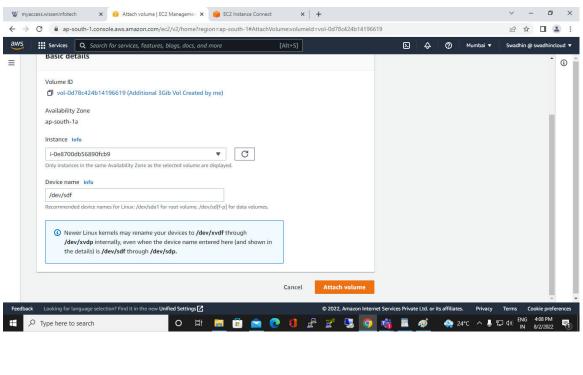
Here is my Hands-on Practice Screenshots:-

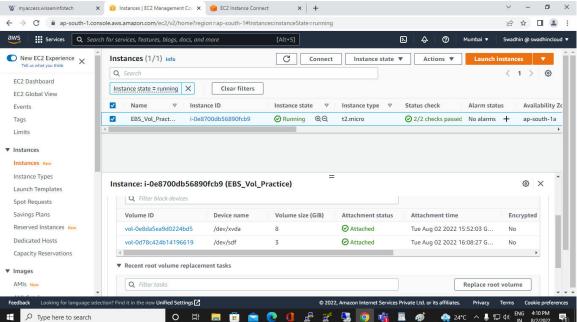
(Attach & Detach the Additional Volume in EC2 and also increased Root Volume & Additional Volume size)

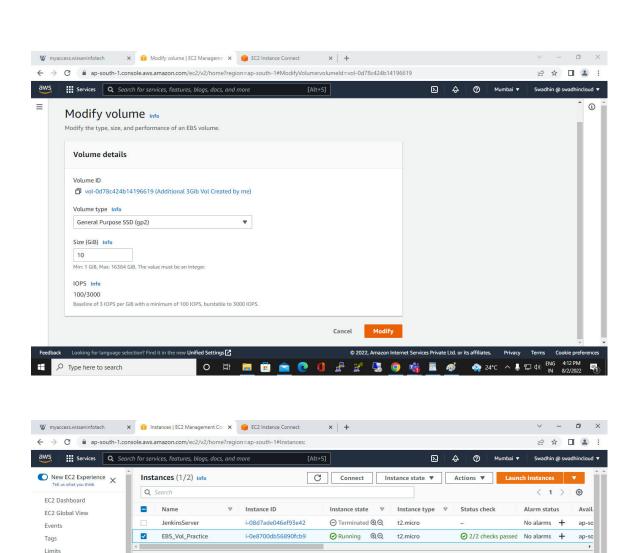












@ X

Encrypted

No

No

Instance: i-0e8700db56890fcb9 (EBS_Vol_Practice)

Device name

/dev/xvda

/dev/sdf

Volume size (GiB)

8

10

O # 📻 💼 🍙 💽 🏮 👺 👺 🧑 👣

Attachment status

(Attached

Attachment time

Tue Aug 02 2022 15:52:03 G...

Tue Aug 02 2022 16:08:27 G...

▼ DIUCK UEVICES

4

Q Filter block devices

vol-0e8da5ea9d0224bd5

vol-0d78c424b14196619

▶ Recent root volume replacement tasks

▼ Instances
Instances New
Instance Types

Launch Templates

Reserved Instances New

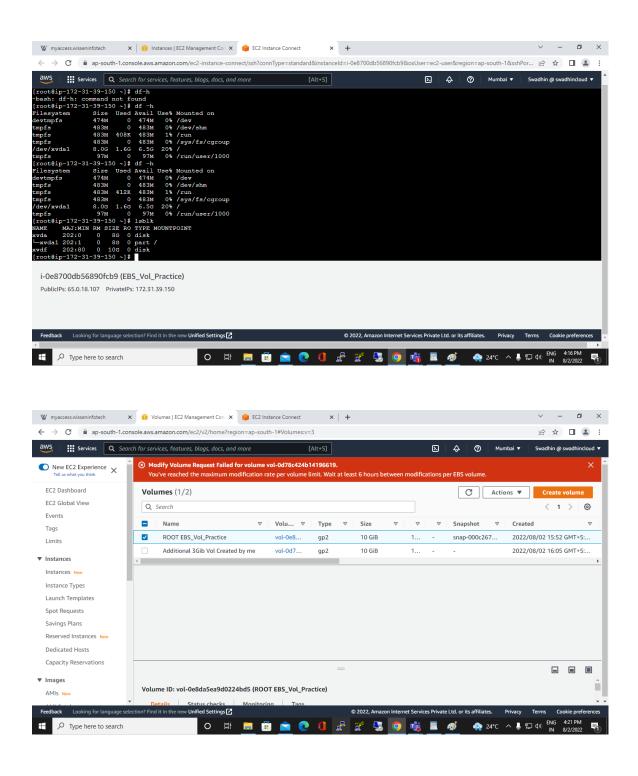
Capacity Reservations

Type here to search

Dedicated Hosts

▼ Images

Spot Requests Savings Plans



CONCLUSION: - Additional Volume size can be increase at once after 6 hours again can be change. But we cannot decrease the volume size.

-- By Swadhin Kumar Barik 🙂