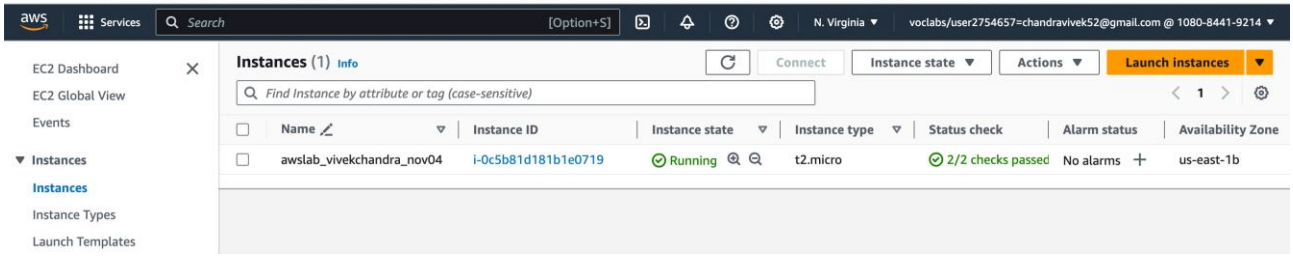
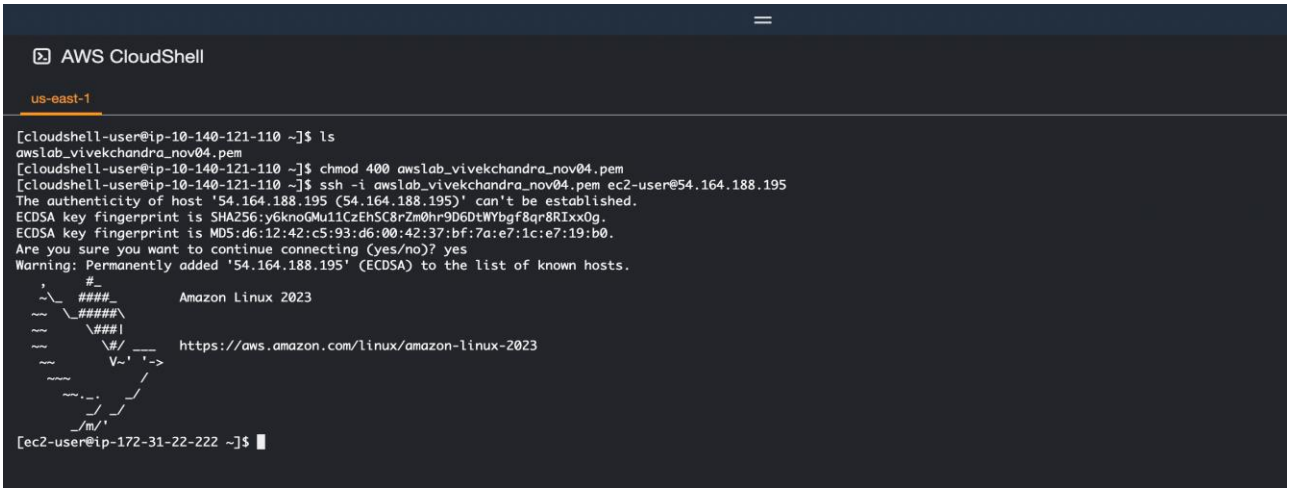
Task 1 – Demonstration of volume creation using snapshot of an external volume with Elastic Block Storage.

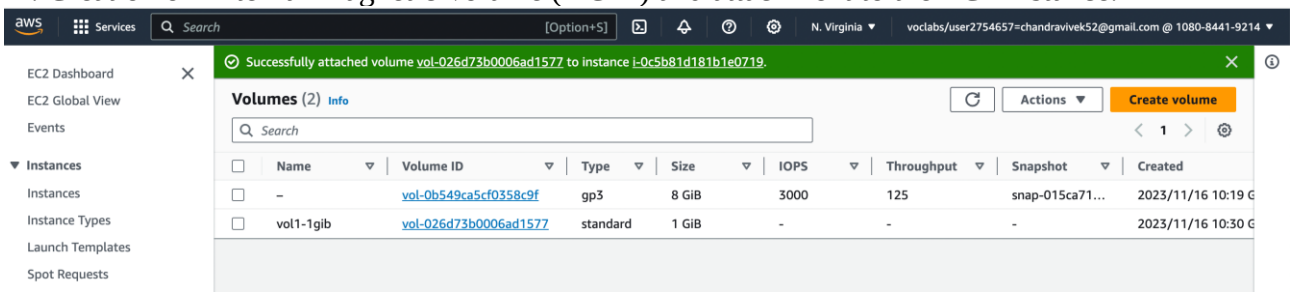
i. Creation of EC2 Instance (Amazon Linux AMI – us-east-1)



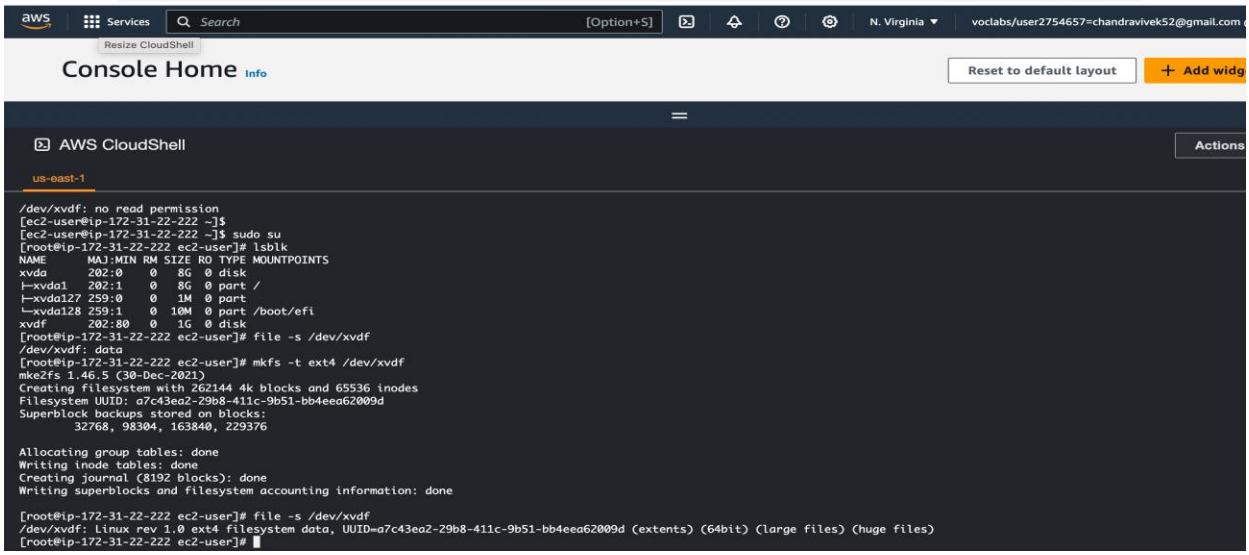
ii. SSH to the EC2 instance.



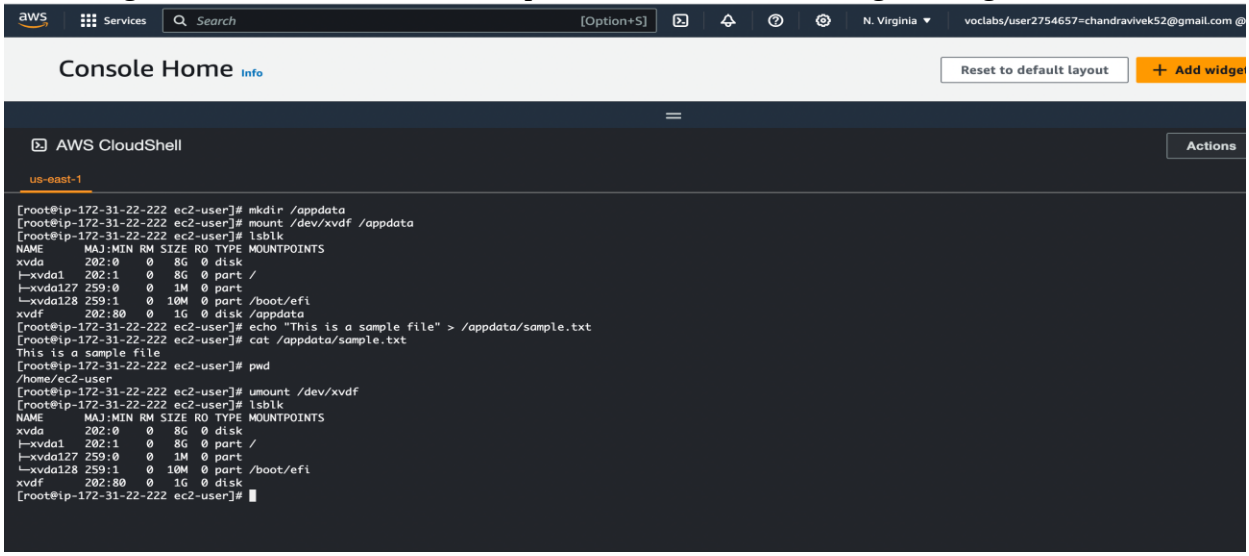
iii. Creation of External Magnetic Volume (1 GiB) and attachment to the EC2 instance.



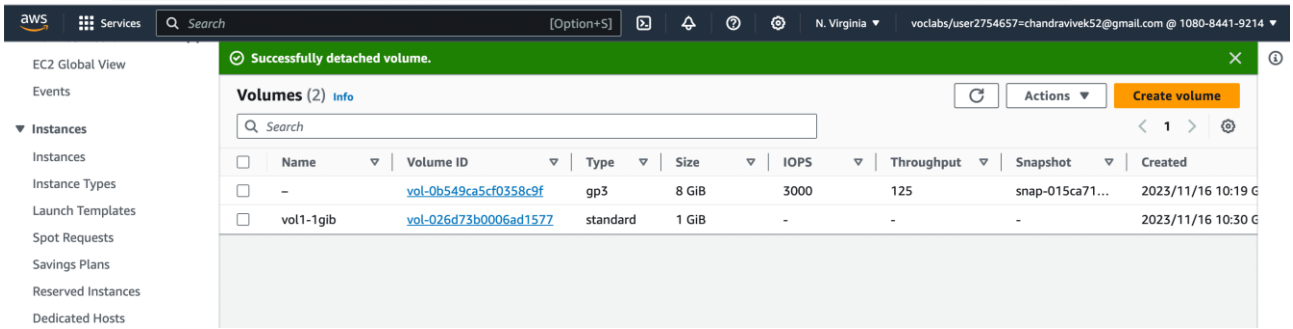
iv. Formatting the magnetic volume.



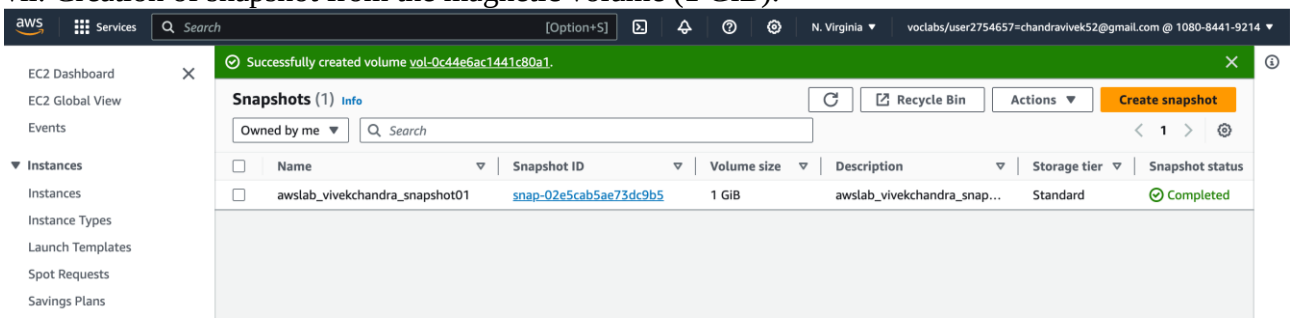
v. Mounting the volume, creation of a sample text file and unmounting the magnetic volume.



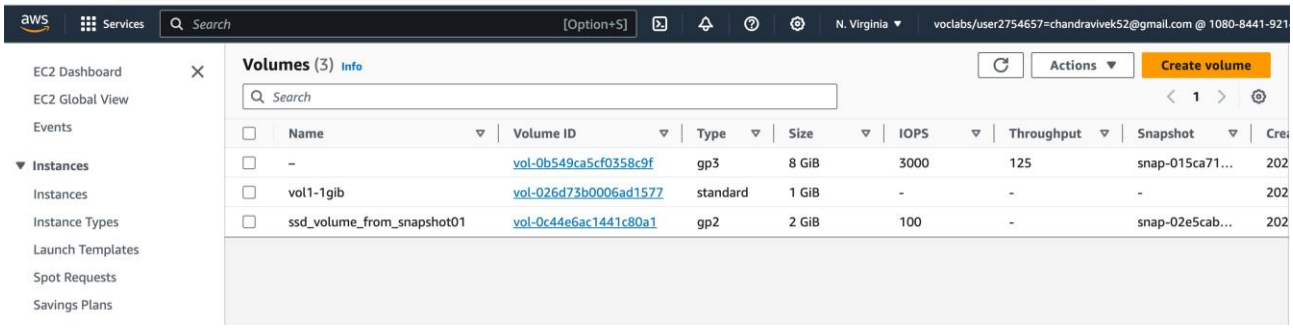
vi. Detaching the magnetic volume.



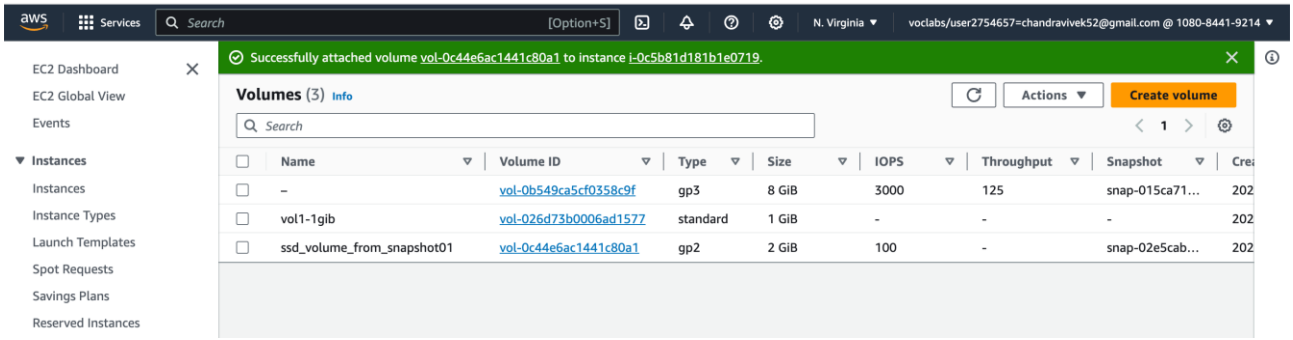
vii. Creation of snapshot from the magnetic volume (1 GiB).



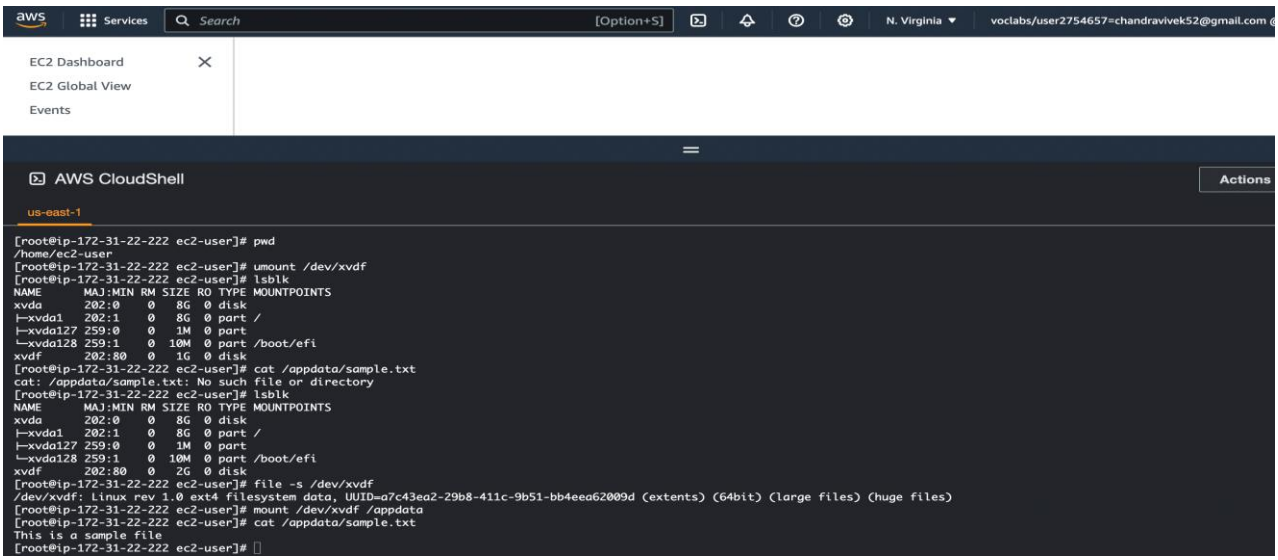
viii. Creation of ssd-gp2 external volume (2 GiB) from the snapshot.



ix. Attaching the ssd-gp2 volume to the EC2 Instance.



x. Mounting the ssd-gp2 volume and validating the existence of sample.txt file.


aws
Services
Search
[Option+S]
N. Virginia
voclabs/user2754657=chandravivek52@gmail.com
EC2 Dashboard
EC2 Global View
Events
AWS CloudShell
Actions
us-east-1
[root@ip-172-31-22-222 ec2-user]# pwd
/home/ec2-user
[root@ip-172-31-22-222 ec2-user]# umount /dev/xvdf
[root@ip-172-31-22-222 ec2-user]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda 202:0 0 8G 0 disk
├─xvda1 202:1 0 8G 0 part /
├─xvda127 259:0 0 1M 0 part
└─xvda128 259:1 0 10M 0 part /boot/efi
xvdf 202:80 0 1G 0 disk
[root@ip-172-31-22-222 ec2-user]# cat /appdata/sample.txt
cat: /appdata/sample.txt: No such file or directory
[root@ip-172-31-22-222 ec2-user]# lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda 202:0 0 8G 0 disk
├─xvda1 202:1 0 8G 0 part /
├─xvda127 259:0 0 1M 0 part
└─xvda128 259:1 0 10M 0 part /boot/efi
xvdf 202:80 0 2G 0 disk
[root@ip-172-31-22-222 ec2-user]# file -s /dev/xvdf
/dev/xvdf: Linux rev 1.0 ext4 filesystem data, UUID=a7c43ea2-29b8-411c-9b51-bb4eea62009d (extents) (64bit) (large files) (huge files)
[root@ip-172-31-22-222 ec2-user]# mount /dev/xvdf /appdata
[root@ip-172-31-22-222 ec2-user]# cat /appdata/sample.txt
This is a sample file
[root@ip-172-31-22-222 ec2-user]#