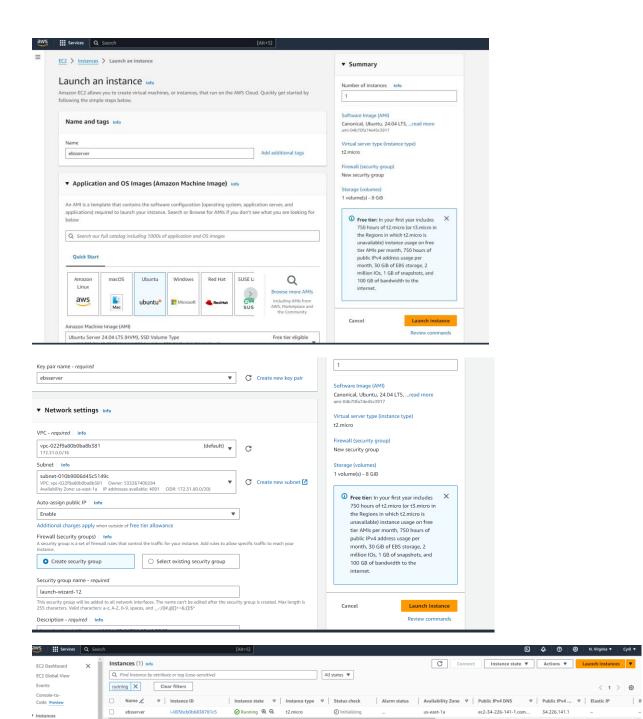
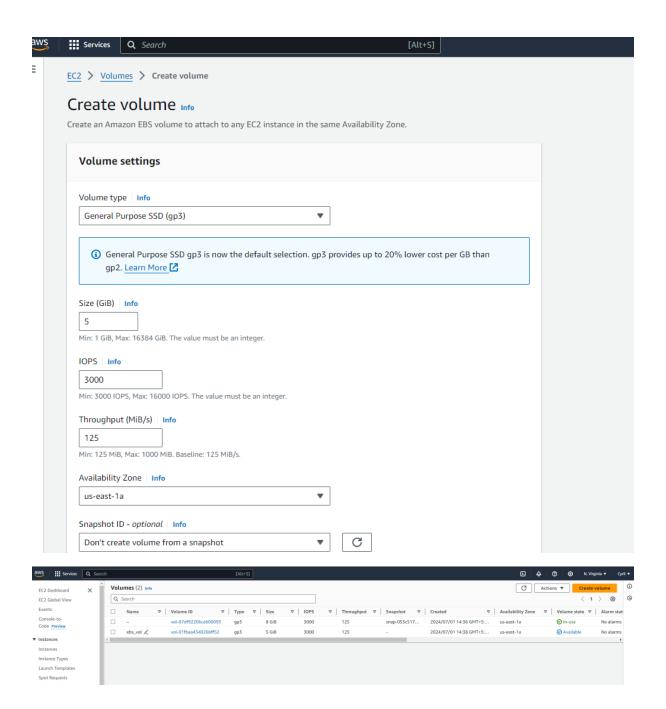
Task - 13

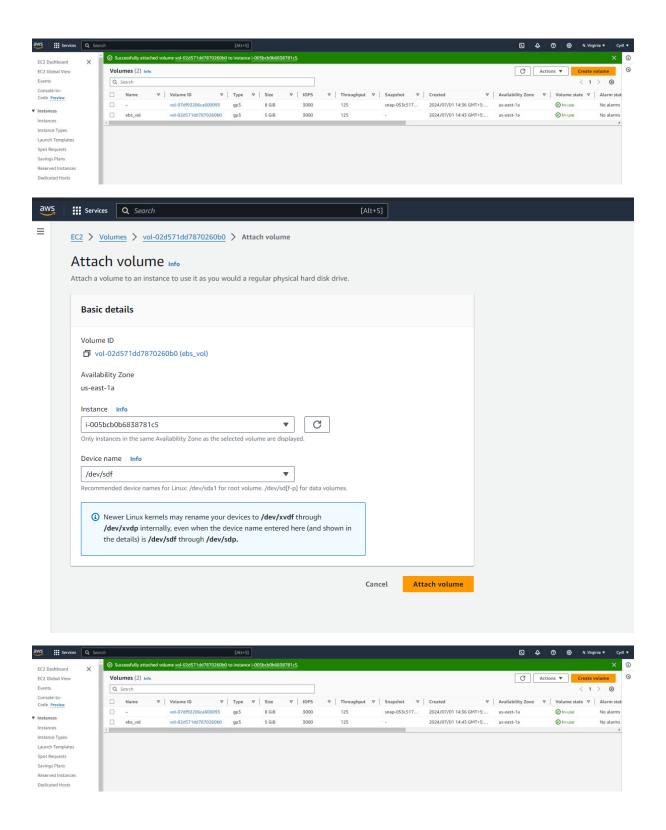
Creating a EC2 in zone 1a:



Creating a EBS volume:



Attaching the EBS to EC2 machine:



Installing a webserver in EC2:

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.

ubuntu@ip-172-31-84-112:-$ sudo systemctl start apache2

ubuntu@ip-172-31-84-112:-$ sudo systemctl enable apache2

3ynchronizing state of apache2.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.

Executing: /usr/lib/systemd/systemd-sysv-install enable apache2

ubuntu@ip-172-31-84-112:-$
```

Formatting the EBS volume in EC2 machine:

```
Services
                  Q Search
ubuntu@ip-172-31-84-112:~$ lsblk
        MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
NAME
              0 25.2M 1 loop /snap/amazon-ssm-agent/7983
          7:0
loop0
          7:1
               0 55.7M 1 loop /snap/core18/2812
loop1
        7:2 0 38.7M 1 loop /snap/snapd/21465
202:0 0 8G 0 disk
loop2
xvda
 -xvda1 202:1 0
                    7G 0 part /
 -xvda14 202:14 0
                    4M 0 part
 Lxvda16 259:0 0 913M 0 part /boot
        202:80 0
                     5G 0 disk
ubuntu@ip-172-31-84-112:~$ sudo mkfs -t ext4 /dev/xvdf
mke2fs 1.47.0 (5-Feb-2023)
Creating filesystem with 1310720 4k blocks and 327680 inodes
Filesystem UUID: bc90f6cd-8afa-4c5a-966c-d0a25d202def
Superblock backups stored on blocks:
       32768, 98304, 163840, 229376, 294912, 819200, 884736
Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done
ubuntu@ip-172-31-84-112:~$
```

Mounting the EBS volume to the EC2 machine:

```
Writing superblocks and filesystem accounting information: done

ubuntu@ip-172-31-84-112:~$ sudo mkdir /mnt/my_vol

ubuntu@ip-172-31-84-112:~$

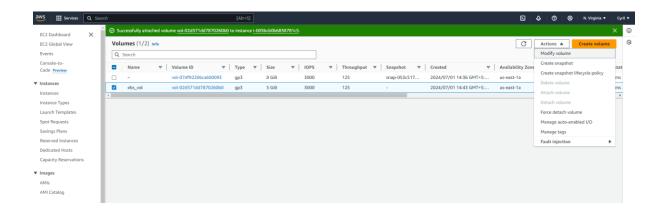
ubuntu@ip-172-31-84-112:~$ sudo mkdir /mnt/my_vol

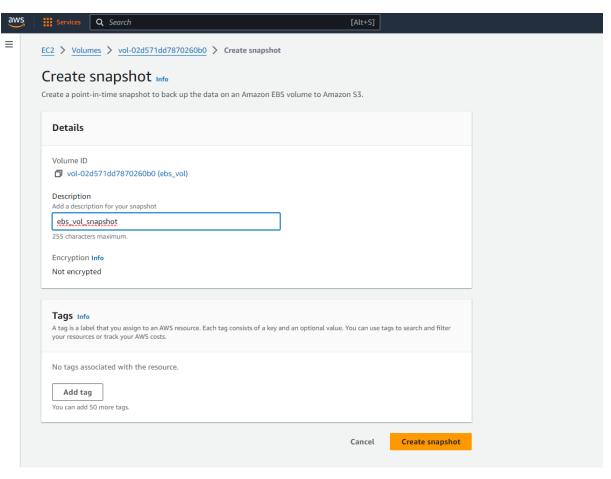
ubuntu@ip-172-31-84-112:~$ sudo mkdir /mnt/my_vol

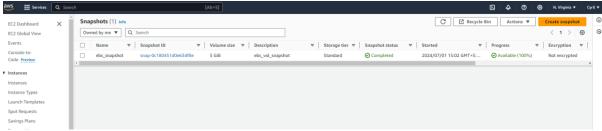
ubuntu@ip-172-31-84-112:~$ sudo mount /dev/xvdf /mnt/my_vol
```

```
ubuntu@ip-172-31-84-112:~$ sudo vi /etc/fstab
 aWS Services Q Search
LABEL=cloudimg-rootfs /
LABEL=BOOT /boot ext4
                        ext4 discard,commit=30,errors=remount-ro
                        defaults
                              umask=0077
ABEL-UEFT
            /boot/efi
                        vfat
                                          0 1
/dev/xvdf /mnt/my_vol ext4 defaults 0 2
ubuntu@ip-172-31-84-112:~$ sudo vi /etc/fstab
ubuntu@ip-172-31-84-112:~$ lsblk
         MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
          7:0 0 25.2M 1 loop /snap/amazon-ssm-agent/7983
loop0
         7:1 0 55.7M 1 loop /snap/core18/2812
7:2 0 38.7M 1 loop /snap/snapd/21465
202:0 0 8G 0 disk
loop1
loop2
xvda
 -xvda1 202:1
                        7G 0 part /
 -xvda14 202:14 0 4M
                             0 part
 -xvda15 202:15 0 106M
                             0 part /boot/efi
∟xvda16 259:0 0 913M
xvdf 202:80 0 5G
                             0 part /boot
                         5G 0 disk /mnt/my_vol
ubuntu@ip-172-31-84-112:~$
```

Taking snapshot of the created EBS volume:







Creating a EBS volume using the snapshot:

