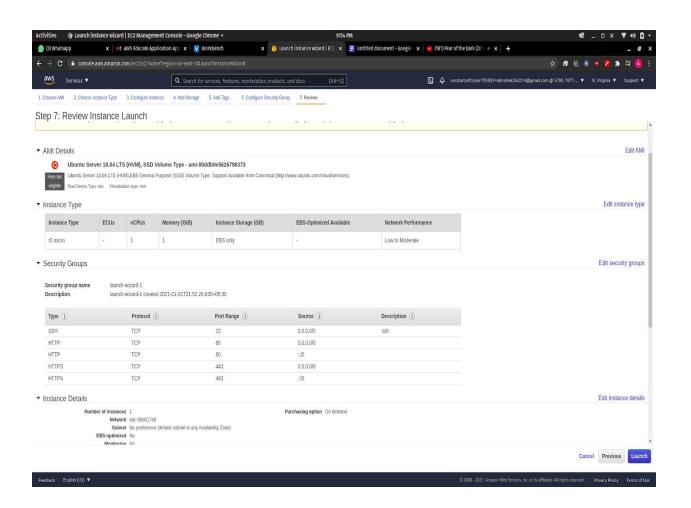
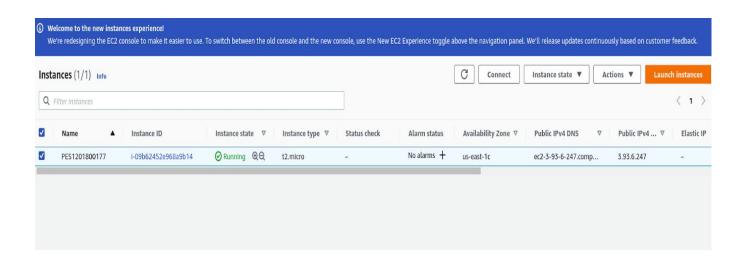
Cloud Computing Lab Week 1 : AWS, EC2, EBS and S3

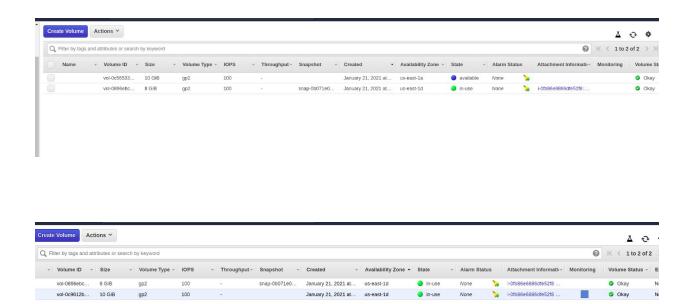
Abhishek Das PES1201800177 Section: G

b)Understanding and creating AWS EC2(Elastic Compute) virtual machines



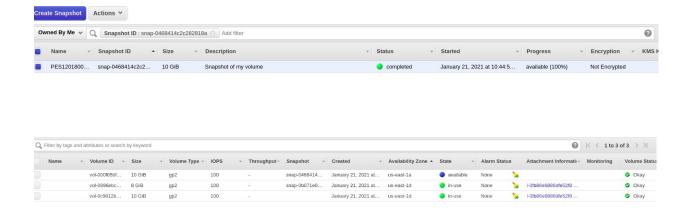


c) Understanding and using AWS EBS(Elastic Block Store)

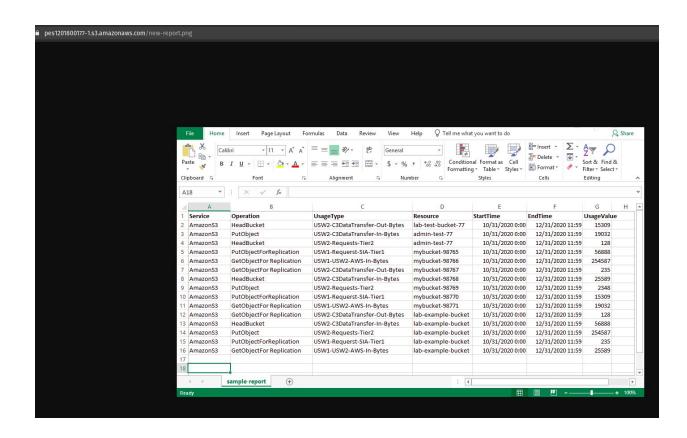


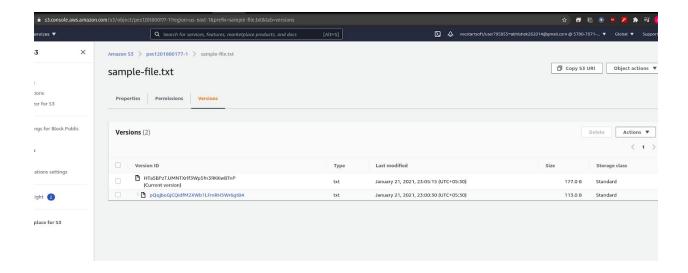
```
ubuntu@ip-172-31-25-132: ~/mnt
        [-jnqvDFSV] device [blocks-count]
ubuntu@ip-172-31-25-132:/dev$ sudo mkfs -t ext3 /dev/xvdf
mke2fs 1.44.1 (24-Mar-2018)
Creating filesystem with 2621440 4k blocks and 655360 inodes
Filesystem UUID: 753f606d-a1d4-4596-867e-4ccfe93e62c3
Superblock backups stored on blocks:
        32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632
Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done
ubuntu@ip-172-31-25-132:/dev$ cd
ubuntu@ip-172-31-25-132:~$ sudo mkdir /mnt
mkdir: cannot create directory '/mnt': File exists
ubuntu@ip-172-31-25-132:~$ ls
ubuntu@ip-172-31-25-132:~$ sudo mkdir mnt
ubuntu@ip-172-31-25-132: $ sudo mount /dev/xvdf ~/mnt
ubuntu@ip-172-31-25-132:-$ cd mnt/
ubuntu@ip-172-31-25-132:~/mnt$ ls
ubuntu@ip-172-31-25-132:~/mnt$ lsblk
        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
NAME
loop0
          7:0 0 97.8M 1 loop /snap/core/10185
                0 28.1M 1 loop /snap/amazon-ssm-agent/2012
loop1
          7:1
        202:0
                     8G 0 disk
xvda
                0
                      8G 0 part /
-xvda1 202:1
                0
        202:80 0
xvdf
                     10G 0 disk /home/ubuntu/mnt
```

```
ubuntu@ip-172-31-25-132:-/mnt$ df -h
Filesystem
               Size Used Avail Use% Mounted on
udev
                476M
                        0 476M
                                  0% /dev
                                   1% /run
                            98M
tmpfs
                 98M
                     764K
/dev/xvda1
                7.7G
                     1.2G 6.6G 15% /
                        0 490M
tmpfs
                490M
                                  0% /dev/shm
                                  0% /run/lock
tmpfs
                5.0M
                            5.0M
                         0
tmpfs
                490M
                        0
                           490M
                                   0% /sys/fs/cgroup
/dev/loop0
                 98M
                       98M
                               0 100% /snap/core/10185
/dev/loop1
                       29M
                               0 100% /snap/amazon-ssm-agent/2012
                 29M
                                   0% /run/user/1000
tmpfs
                       0
                            98M
                 98M
                       23M 9.3G
                                   1% /home/ubuntu/mnt
/dev/xvdf
                9.8G
|buntumip-172-31-25-132:-/mnt$
```



d)Object Storage using S3 Buckets







This sample text file is used to illustrate the use of versioning in an Amazon S3 bucket.

Make it a great day!

This is version 2 of the text file!

My SRN IS PES1201800177