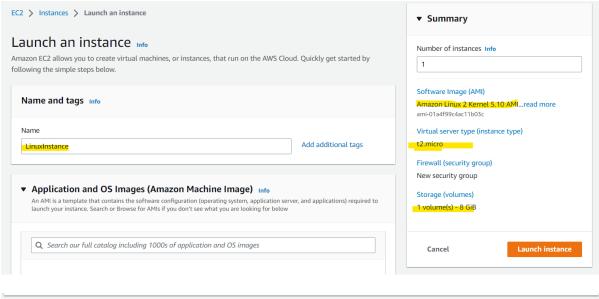
AWS Solutions Architect Training support@intellipaat.com

Module-2: EC2 and EBS Assignment - 2

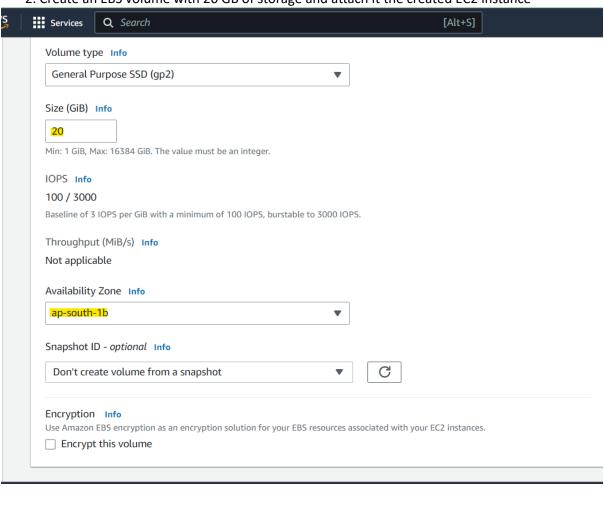
You have been asked to:

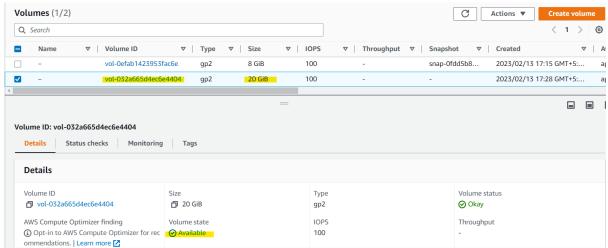
- 1. Launch a Linux EC2 instance
- 2. Create a EBS volume with 20 GB of storage and attach it the created EC2 instance
- 3. Resize the attached volume and make sure it reflects in the connected instance
 - 1. Launch a Linux EC2 Instance:



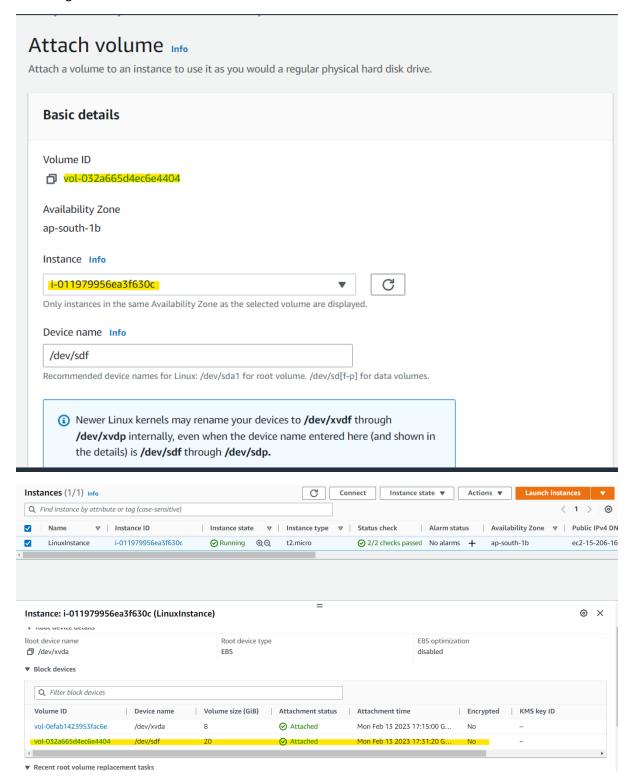
▼ Key pair (login) Info
 You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
 Key pair name - required
 KP1302
 Create new key pair

2. Create an EBS volume with 20 GB of storage and attach it the created EC2 instance

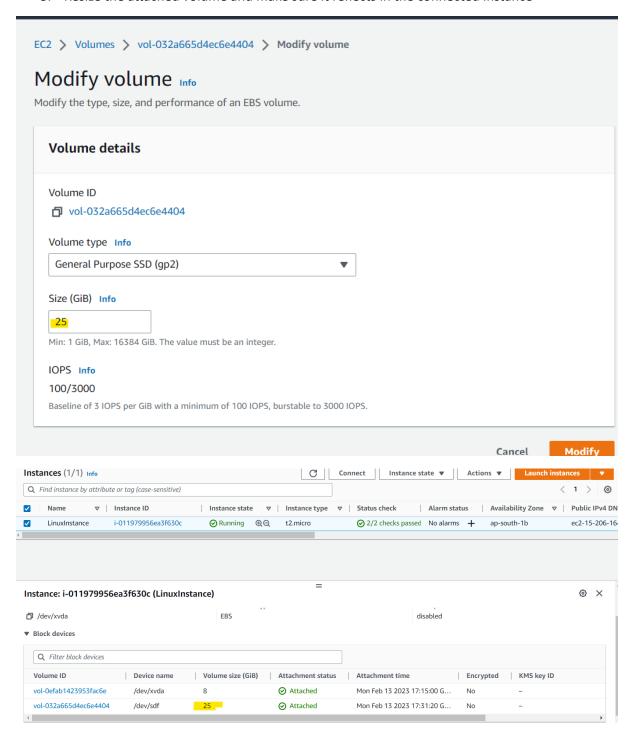




Attaching volume to EC2:



3. Resize the attached volume and make sure it reflects in the connected instance



Mounting Volume on Linux Instance:

File system not available, so created file system as below:

```
[root@ip-172-31-1-45 ~] # df -h
Filesystem
              Size
                    Used Avail Use% Mounted on
devtmpfs
              474M
                         474M
                                0% /dev
              483M
                         483M
tmpfs
                                0% /dev/shm
              483M 412K 482M
tmpfs
                               1% ∕run
                               0% /sys/fs/cgroup
              483M
                         483M
tmpfs
/dev/xvda1
              8.0G 1.8G 6.3G 22% /
               97M
                       0 97M
                                0% /run/user/1000
tmpfs
[root@ip-172-31-1-45 ~]# lsblk
      MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
xvda
       202:0
              0 8G 0 disk
Lxvda1 202:1
                  8G 0 part /
xvdf 202:80 0 25G 0 disk
[root@ip-172-31-1-45 ~] # file -s /dev/xvdf
/dev/xvdf: data
[root@ip-172-31-1-45 ~] # mkfs -t xfs /dev/xvdf
meta-data=/dev/xvdf
                               isize=512
                                          agcount=4, agsize=1638400 blks
                               sectsz=512 attr=2, projid32bit=1
                               crc=1
                                          finobt=1, sparse=1, rmapbt=0
                               reflink=1
                                          bigtime=0 inobtcount=0
                               bsize=4096 blocks=6553600, imaxpct=25
data
                               sunit=0
                                          swidth=0 blks
naming
        =version 2
                              bsize=4096 ascii-ci=0, ftype=1
        =internal log
                              bsize=4096 blocks=3200, version=2
log
                               sectsz=512 sunit=0 blks, lazy-count=1
realtime =none
                               extsz=4096 blocks=0, rtextents=0
[root@ip-172-31-1-45 ~]# file -s /dev/xvdf
/dev/xvdf: SGI XFS filesystem data (blksz 4096, inosz 512, v2 dirs)
```

Mounting And Unmounting the volume:

```
[root@ip-172-31-1-45 dev] # mount /dev/xvdf /dev/volume/my-volume/
[root@ip-172-31-1-45 dev]# df -h
               Size Used Avail Use% Mounted on
Filesystem
                          474M
devtmpfs
               474M
                                 0% /dev
                                 0% /dev/shm
tmpfs
               483M
                          483M
tmpfs
               483M 412K 482M
tmpfs
               483M
                          483M
                                 0% /sys/fs/cgroup
               8.0G 1.8G 6.3G 22% /
/dev/xvda1
                                0% /run/user/1000
tmpfs
               97M
                           97M
/dev/xvdf
                25G 211M
                                 1% /dev/volume/my-volume
[root@ip-172-31-1-45 dev] # umount /dev/xvdf /dev/volume/my-volume/
umount: /dev/volume/my-volume/: not mounted.
[root@ip-172-31-1-45 dev] # df -h
Filesystem
            Size Used Avail Use% Mounted on
devtmpfs
               474M
                        0 474M
                                 0% /dev
                                 0% /dev/shm
                        0 483M
tmpfs
               483M
tmpfs
               483M 412K 482M
                                 1% /run
                                 0% /sys/fs/cgroup
               483M
                     0 483M
tmpfs
                     1.8G 6.3G
/dev/xvda1
               8.0G
                                22% /
                            97M
                                 0% /run/user/1000
tmpfs
                97M
```