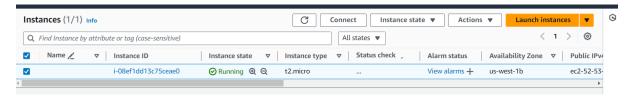
## **ASSIGNMENT OF EBS & EFS**

## **EBS**

One EBS you can attach only one instance do you want to connect another instance previously connected one to detach and connect to that instance.

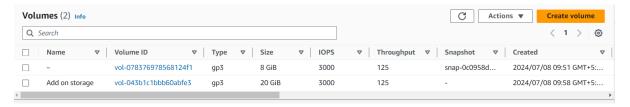
### Creating ec2 instance



## Ec2-server launched and checking volume df -h

```
[root@ip-172-31-11-179 ~] # df -h
Filesystem
                Size
                       Used Avail Use% Mounted on
devtmpfs
                4.0M
                          0
                             4.0M
                                    0% /dev
tmpfs
                475M
                          0
                             475M
                                    0% /dev/shm
                190M
                             190M
tmpfs
                      440K
                                    1% /run
/dev/xvda1
                8.0G
                       1.6G
                             6.5G
                                   20% /
                475M
                             475M
                                    0% /tmp
tmpfs
                          0
/dev/xvda128
                 10M
                       1.3M
                             8.7M
                                   13% /boot/efi
tmpfs
                 95M
                          0
                              95M
                                    0% /run/user/1000
[root@ip-172-31-11-179 ~]#
```

Creating volume of 20Gb attaching to the server



```
Amazon Linux 2023
                     https://aws.amazon.com/linux/amazon-linux-2023
                     8 04:29:42 2024 from 13.52.6.115
Last login: Mon Jul
[ec2-user@ip-172-31-11-179 \sim]$ sudo -i
[root@ip-172-31-11-179 ~]# lsblk
NAME
          MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
                       8G
                           0 disk
xvda
          202:0
                   0
          202:1
                   0
                       8G
 -xvda1
                           0 part /
  xvda127 259:0
                   0
                       1M
                           0 part
 -xvda128 259:1
                   0
                      10M
                           0 part /boot/efi
          202:80
                   0 20G
                          0 disk
[root@ip-172-31-11-179 ~]#
```

- Once add on volume file is attached to instance
- Check whether file system is created or not
- If file system is created
   Mount /dev/xvdf dir1/dir2
   Check if it is mounted or not
   df -h
   Or

• If not created the file system when add on volume is not showed in the mount point this error will appear here.

# wrong fs type, bad option, bad superblock" error message

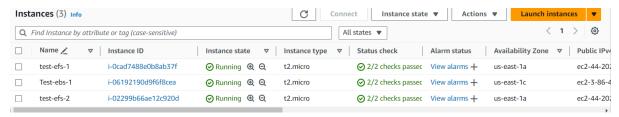
- Create file system
- Mkfs –t xfs /dev/xvdf
- Mount /dev/xvdf dir1/dir2
- df –h check the volume
- EBS Volume of 15GB attached to /pavan/ebs

```
[root@ip-172-31-11-179 ~]# df -h
Filesystem
                     Used Avail Use% Mounted on
               Size
devtmpfs
               4.0M
                          4.0M
                                 0% /dev
tmpfs
               475M
                       0
                          475M
                                 0% /dev/shm
tmpfs
               190M 464K 190M
                                1% /run
/dev/xvda1
                                20% /
               8.0G 1.6G 6.5G
                          475M 0% /tmp
tmpfs
               475M
                       0
/dev/xvda128
                10M 1.3M 8.7M 13% /boot/efi
tmpfs
                95M
                           95M
                                 0% /run/user/1000
                       0
/dev/xvdf
                15G
                           15G
                                 1% /root/pavan/ebs
                     139M
[root@ip-172-31-11-179 ~]#
```

• One EBS Volume cannot be attached to multiple instances, but multiple EBS can attached to one EC2.

# EFS (Elastic file system)

## One EFS you can connect multiple instances



#### Created EFS

#### Attached to two instances

```
[root8ip-172-31-09-215 fs1] # ls
efs.txt efs1.txt
[root8ip-172-31-09-215 fs1] # ls
efs.txt efs1.txt
[root8ip-172-31-09-215 fs1] # act efs.txt
tris is efs test1
[root8ip-172-31-09-215 fs1] # ■

i-Ocad7488eOb8ab37f (test-efs-1)

PublicPs: 44.202.93.1 PrivatePs: 172.31.87.215
```

## Test-efs-1

Test-efs-2