LAB | Resize and Attach EBS Volumes in AWS

EC2 Instance with 2 Volumes :

Resize the Root Volume

Extend the Root Partition and Filesystem

```
ec2-user@ip-172-31-21-103 ~]$ sudo growpart /dev/xvda 1
HANGED: partition=1 start=24576 old: size=20946911 end=20971487 new: size=41918431 end=41943007
ec2-user@ip-172-31-21-103 ~]$
```

```
[ec2-user@ip-172-31-21-103 ~]$ lsblk
NAME       MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0  20G  0 disk
├─xvda1     202:1    0  20G  0 part /
├─xvda127   259:0    0   1M  0 part
└─xvda128   259:1    0  10M  0 part /boot/efi
xvdb        202:16   0  10G  0 disk
[ec2-user@ip-172-31-21-103 ~]$
```

```
[ec2-user@ip-172-31-21-103 ~]$ df -hT
Filesystem      Type      Size  Used Avail Use% Mounted on
devtmpfs        devtmpfs  4.0M     0  4.0M   0% /dev
tmpfs           tmpfs     481M     0  481M   0% /dev/shm
tmpfs           tmpfs     193M  448K  192M   1% /run
/dev/xvda1      xfs        10G  1.6G  8.5G  16% /
tmpfs           tmpfs     481M     0  481M   0% /tmp
/dev/xvda128    vfat       10M  1.3M  8.7M  13% /boot/efi
tmpfs           tmpfs      97M     0   97M   0% /run/user/1000
[ec2-user@ip-172-31-21-103 ~]$
```

```
[ec2-user@ip-172-31-21-103 ~]$ sudo xfs_growfs -d /
meta-data=/dev/xvda1          isize=512    agcount=3, agsize=1047040 blks
         =                    sectsz=4096  attr=2, projid32bit=1
         =                    crc=1        finobt=1, sparse=0, rmapbt=0
         =                    reflink=0    bigtime=1 inobtcount=1 nrext64=0
         =                    exchange=0
data     =                    bsize=4096   blocks=2618363, imaxpct=25
         =                    sunit=128    swidth=128 blks
naming   =version 2           bsize=16384  ascii-ci=0, ftype=1, parent=0
log      =internal log        bsize=4096   blocks=16384, version=2
         =                    sectsz=4096  sunit=4 blks, lazy-count=1
realtime =none                extsz=4096   blocks=0, rtextents=0
data blocks changed from 2618363 to 5239803
```

```
[ec2-user@ip-172-31-21-103 ~]$ df -hT
Filesystem      Type      Size  Used Avail Use% Mounted on
devtmpfs        devtmpfs  4.0M     0  4.0M   0% /dev
tmpfs           tmpfs     481M     0  481M   0% /dev/shm
tmpfs           tmpfs     193M  448K  192M   1% /run
/dev/xvda1      xfs        20G  1.6G   19G   8% /
tmpfs           tmpfs     481M     0  481M   0% /tmp
/dev/xvda128    vfat       10M  1.3M  8.7M  13% /boot/efi
tmpfs           tmpfs      97M     0   97M   0% /run/user/1000
```