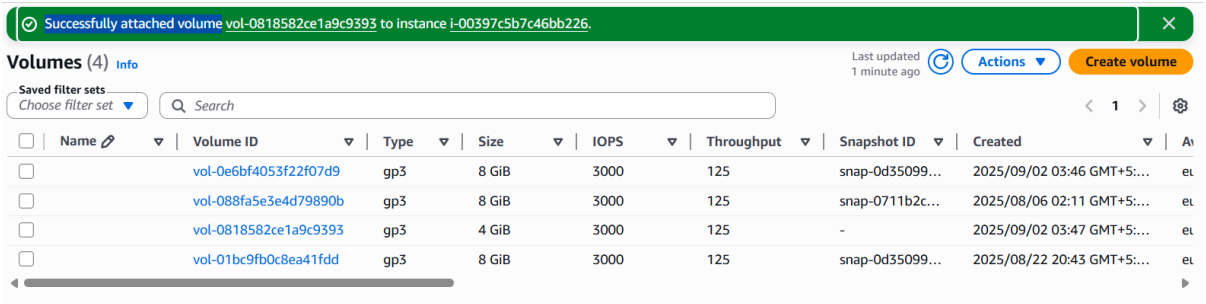
Created a 4GB volume And attached to L2 instance




```
[ec2-user@ip-172-31-41-76 ~]$ lsblk
NAME          MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
nvme0n1       259:0    0   8G  0 disk
├─nvme0n1p1   259:1    0   8G  0 part /
├─nvme0n1p127 259:2    0   1M  0 part
└─nvme0n1p128 259:3    0  10M  0 part /boot/efi
nvme1n1       259:4    0   4G  0 disk
[ec2-user@ip-172-31-41-76 ~]$
```

Now created 1GB partition of that 4 GB volume

```
[root@ip-172-31-41-76 ec2-user]# fdisk /dev/sdd

Welcome to fdisk (util-linux 2.37.4).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x53c6108d.

Command (m for help): n
Partition type
   p   primary (0 primary, 0 extended, 4 free)
   e   extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1): 1
First sector (2048-8388607, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-8388607, default 8388607): +1G

Created a new partition 1 of type 'Linux' and of size 1 GiB.

Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.
```

```
[root@ip-172-31-41-76 ec2-user]# lsblk
NAME          MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
nvme0n1       259:0    0   8G  0 disk
├─nvme0n1p1   259:1    0   8G  0 part /
├─nvme0n1p127 259:2    0   1M  0 part
└─nvme0n1p128 259:3    0  10M  0 part /boot/efi
nvme1n1       259:4    0   4G  0 disk
└─nvme1n1p1   259:5    0   1G  0 part
```

Now adding the file system to that partition and mount the partition

```
[root@ip-172-31-41-76 ec2-user]# mkfs /dev/sdd1
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: c28b9c29-124f-4801-bc1a-ced43a723988
Superblock backups stored on blocks:
        32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Writing superblocks and filesystem accounting information: done

[root@ip-172-31-41-76 ec2-user]# mkdir dir1
[root@ip-172-31-41-76 ec2-user]# mount /dev/sdd1 /home/ec2-user/dir1
[root@ip-172-31-41-76 ec2-user]# blkid /dev/sdd1
/dev/sdd1: UUID="c28b9c29-124f-4801-bc1a-ced43a723988" BLOCK_SIZE="4096" TYPE="ext2" PARTUUID="53c6108d-01"
[root@ip-172-31-41-76 ec2-user]# lsblk
NAME          MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
nvme0n1       259:0    0   8G  0 disk
├─nvme0n1p1   259:1    0   8G  0 part /
├─nvme0n1p127 259:2    0   1M  0 part
└─nvme0n1p128 259:3    0  10M  0 part /boot/efi
nvme1n1       259:4    0   4G  0 disk
└─nvme1n1p1   259:5    0   1G  0 part /home/ec2-user/dir1
[root@ip-172-31-41-76 ec2-user]#
```

I successfully done that partitions was permanent not in temporary mode usnif /etc/fstab adding the uuid in it

```
#
UUID=62c90582-6d8a-4bf0-92e8-95e89689ef33     /          xfs    defaults,noatime  1   1
UUID=E565-8542        /boot/efi       vfat    defaults,noatime,uid=0,gid=0,umask=0077,shortname=winnt,x-systemd.automount 0 2
UUID=c28b9c29-124f-4801-bc1a-ced43a723988 /home/ec2-user/dir1 ext4 defaults,nofail 0 2
~
```

After restarting the instance it is still there 1GB partition

```
[ec2-user@ip-172-31-41-76 ~]$ lsblk
NAME          MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
nvme0n1       259:0    0   8G  0 disk
├─nvme0n1p1   259:3    0   8G  0 part /
├─nvme0n1p127 259:4    0   1M  0 part
└─nvme0n1p128 259:5    0  10M  0 part /boot/efi
nvme1n1       259:1    0   4G  0 disk
└─nvme1n1p1   259:2    0   1G  0 part /home/ec2-user/dir1
```