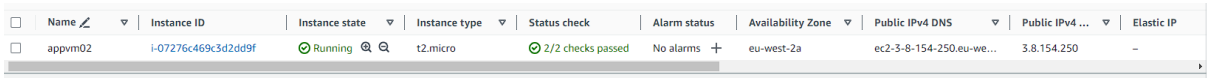
😊 ELASTIC BLOCK STORE

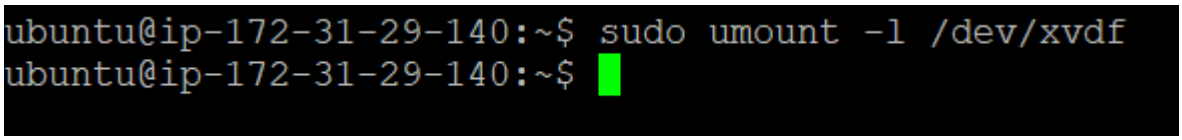
(Mounting volume to another instance)

😁 To Begin with the Lab:

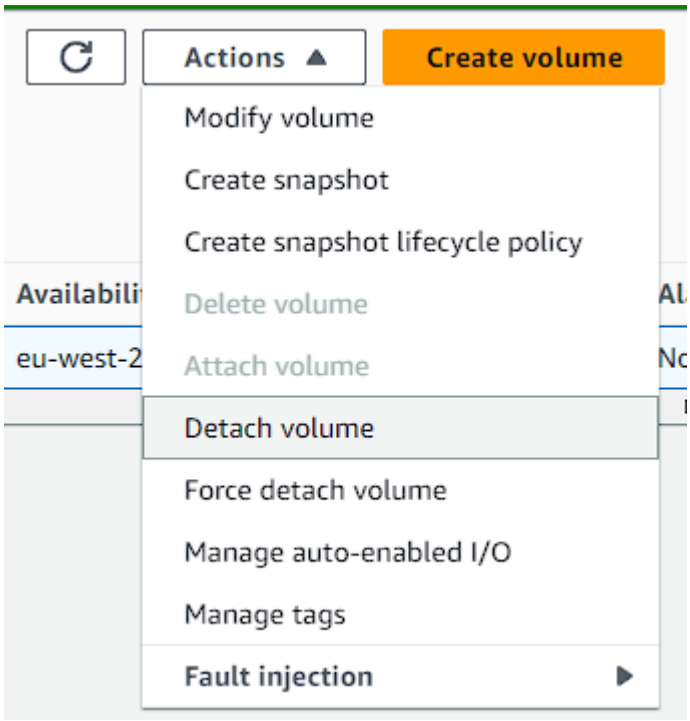
1. For this lab you have to create an instance based on Linux OS.



2. Once your instance is created Log into the instance using **Putty.**
3. Now you have to unmount the volume from your previous Linux instance, so that you can mount it with the new EC2 instance.
4. So, the command to unmount the volume is
   sudo umount -l /dev/xvdf

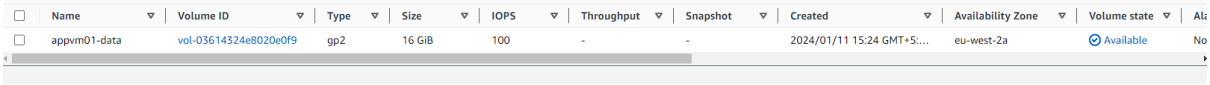


5. Now come back to the console and navigate to **EBS Volumes,** there you need to detach the volume from your previous instance.
6. For that select your volume click on actions, then click on **Detach volume.**



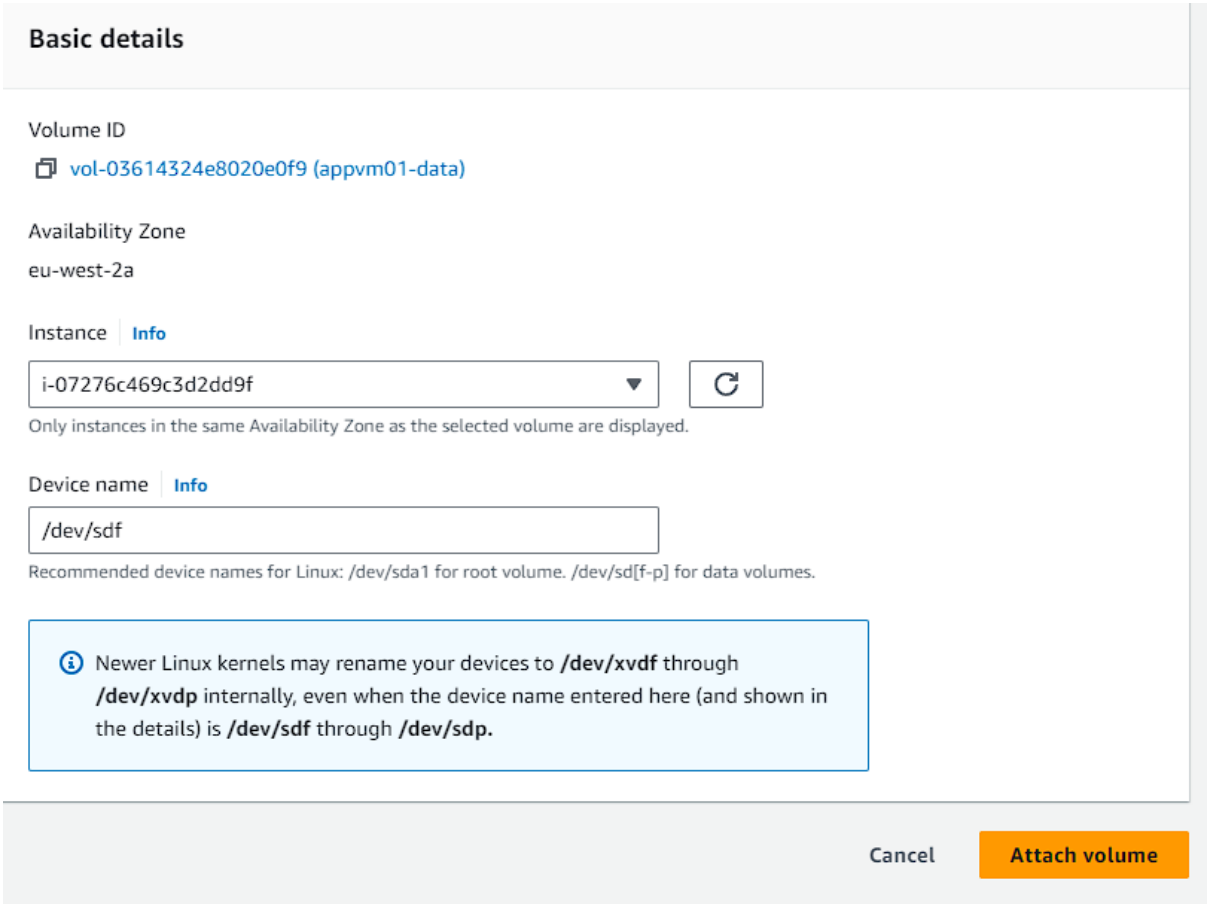
7. Now wait for the volume to get available because it was in use with your previous instance.
8. Once it is available, then again attach it with your new instance.

9. For that again select your volume then click on Action, then click on Attach volume.

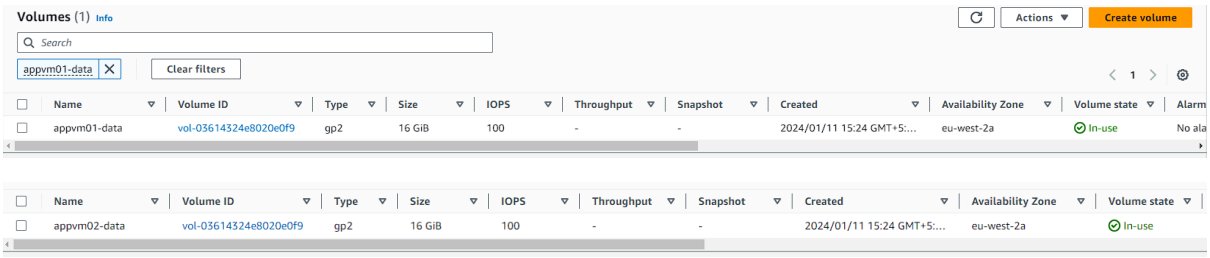


Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state	Al
appvm01-data	vol-03614324e8020e0f9	gp2	16 GiB	100	-	-	2024/01/11 15:24 GMT+5:...	eu-west-2a	Available	No

10. Now select your new instance, and Attach volume to it.



11. Now you can see that it is in use again.
12. Also, now you can rename it. Choose a name what ever you like.



13. After all this you need to go back to Putty, where your new is instance has been logged in.
14. There you need to do a listing of your block drives.
15. You will see that 16gb of volumes is unmounted. So, you are going to mount it with this instance.

```
ubuntu@ip-172-31-18-153:~$ lsblk
NAME     MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
loop0      7:0    0  24.9M  1 loop /snap/amazon-ssm-agent/7628
loop1      7:1    0  55.7M  1 loop /snap/core18/2812
loop2      7:2    0  63.5M  1 loop /snap/core20/2015
loop3      7:3    0 111.9M  1 loop /snap/lxd/24322
loop4      7:4    0  40.9M  1 loop /snap/snapd/20290
xvda     202:0    0     8G  0 disk
├─xvda1  202:1    0   7.9G  0 part /
├─xvda14 202:14   0     4M  0 part
└─xvda15 202:15   0   106M  0 part /boot/efi
xvdf     202:80   0    16G  0 disk
ubuntu@ip-172-31-18-153:~$
```

16. For that the steps are same, first create a directory.

```
ubuntu@ip-172-31-18-153:~$ sudo mkdir /data
```

17. Then mount the volume into that directory.

```
ubuntu@ip-172-31-18-153:~$ sudo mount /dev/xvdf /data
```

18. After that go into the data folder. There you need to do listing of what is inside of it.
19. You will see a .txt file which you have created in the previous instance.
20. This file is also here because it was saved in the volume. And you just have changed the location of the volume. So, the content in it also moves with it.
21. In last if you want to see the data you can also do that.

```
ubuntu@ip-172-31-18-153:~$ cd /data
ubuntu@ip-172-31-18-153:/data$ ls
file.txt
ubuntu@ip-172-31-18-153:/data$ more file.txt
This is the data volume
ubuntu@ip-172-31-18-153:/data$
```