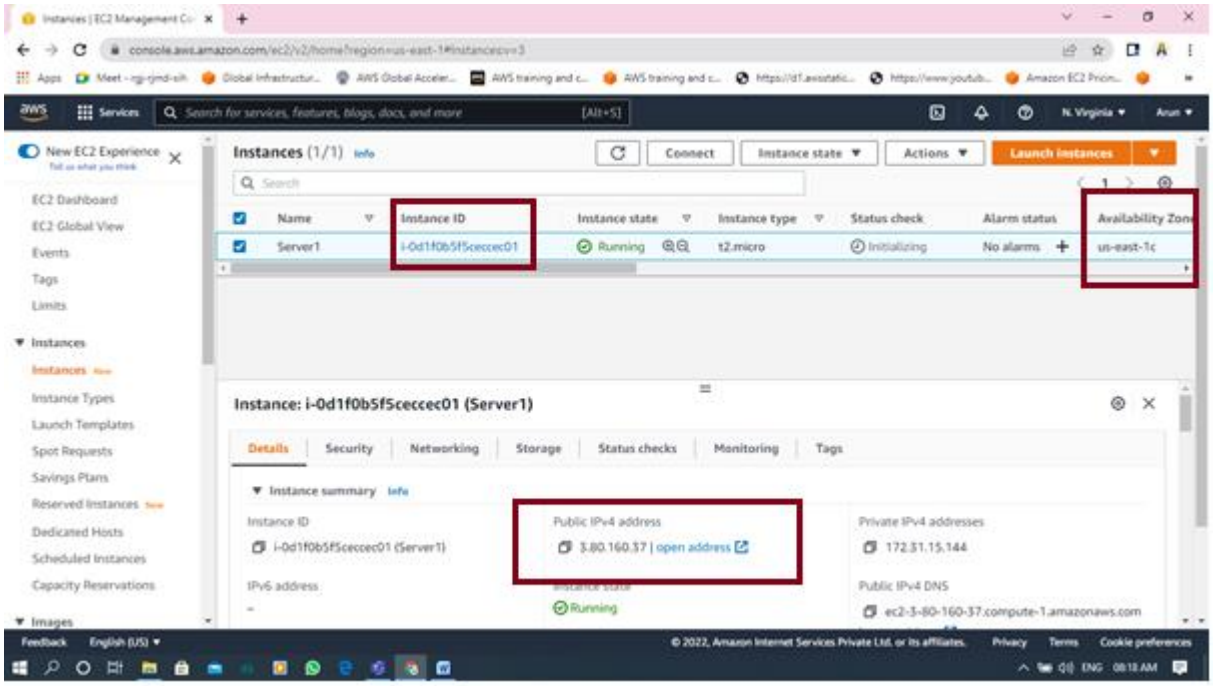
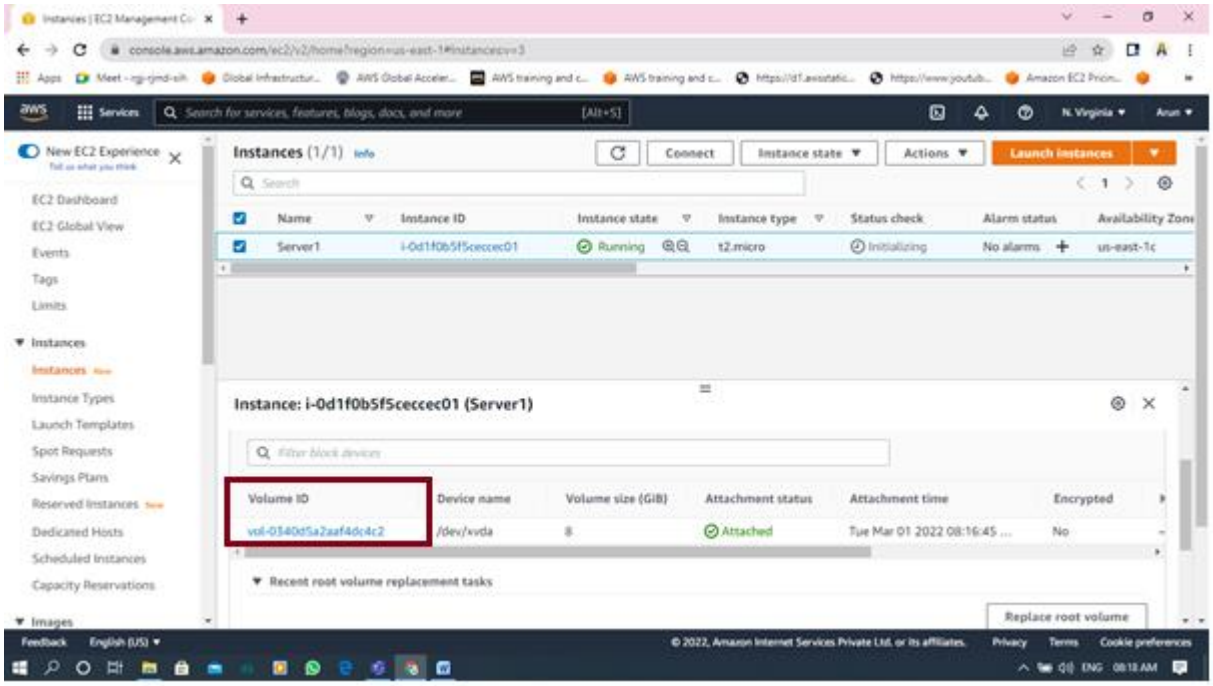
CASE 1 : Replication of EBS volume in single AZ

CASE 2: Replication of EBS volume in accross AZs within the Region (snapshot)

CASE 1 : Attaching EBS of one instance to another instance within same AZ

Step 1: Create a Instance. Notedown Instance ID, AZ, Public IP, Volume ID



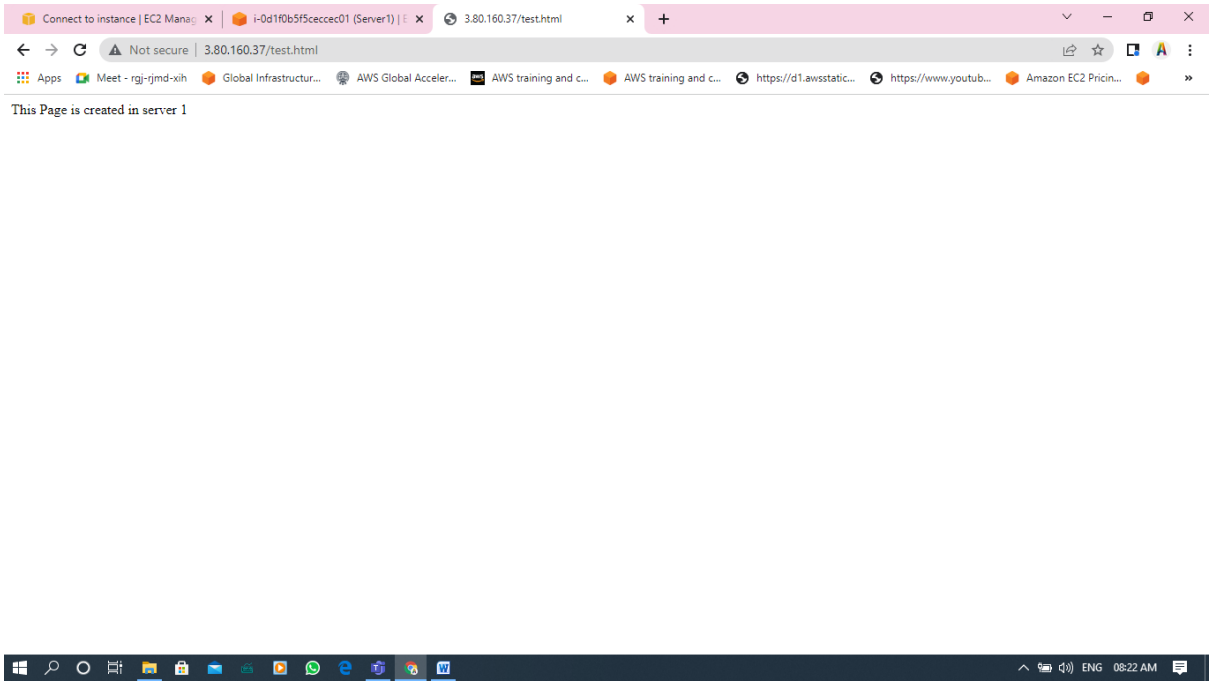


Step 2 : Connect system using ssh and run the following commands

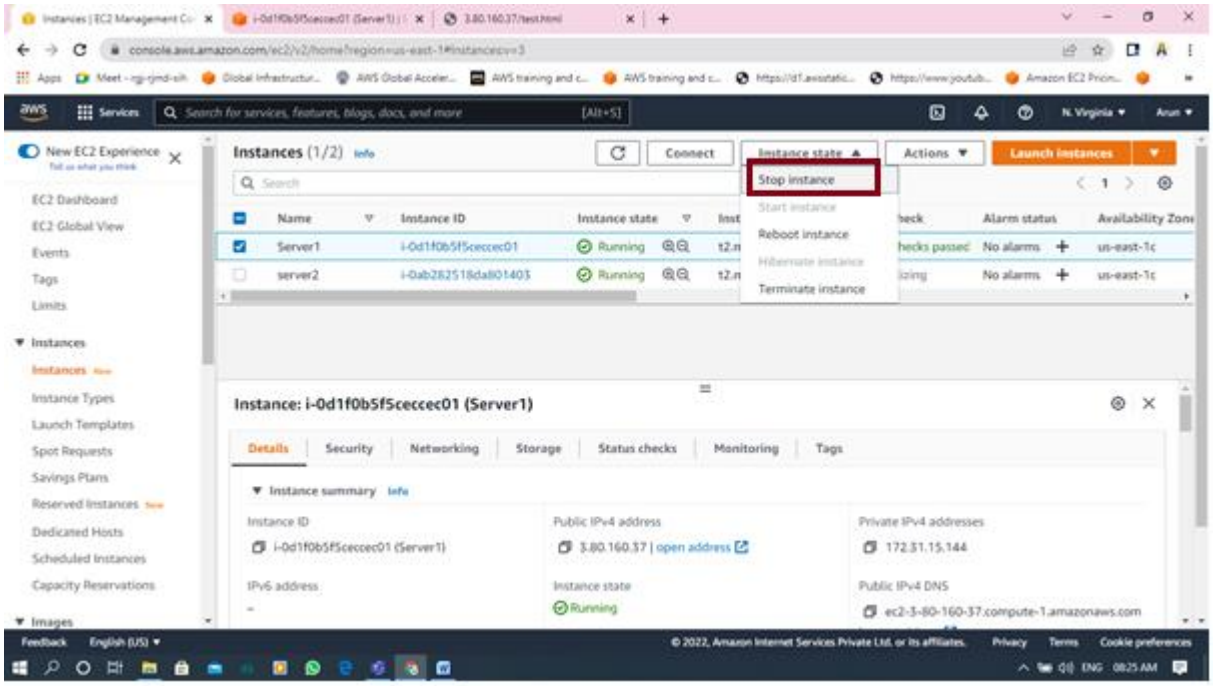
sudo su –
yum update –y
yum install –y httpd
systemctl start httpd
systemctl enable httpd
cd /var/www/html
touch test.html
vi test.html
<html>
<h1>
this page is created using server 1
</h1>
</html>

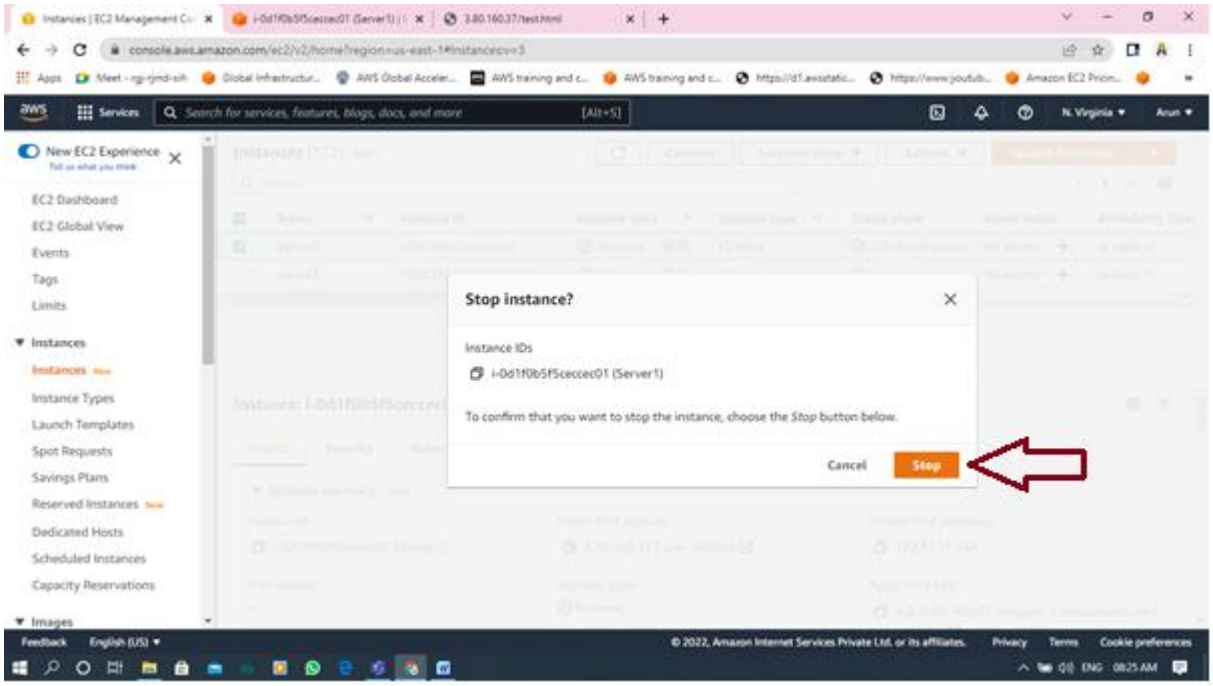
Step 3 : Then capture public ip : 3.80.160.37

Goto browser 3.80.160.37/test.html following screen will appear



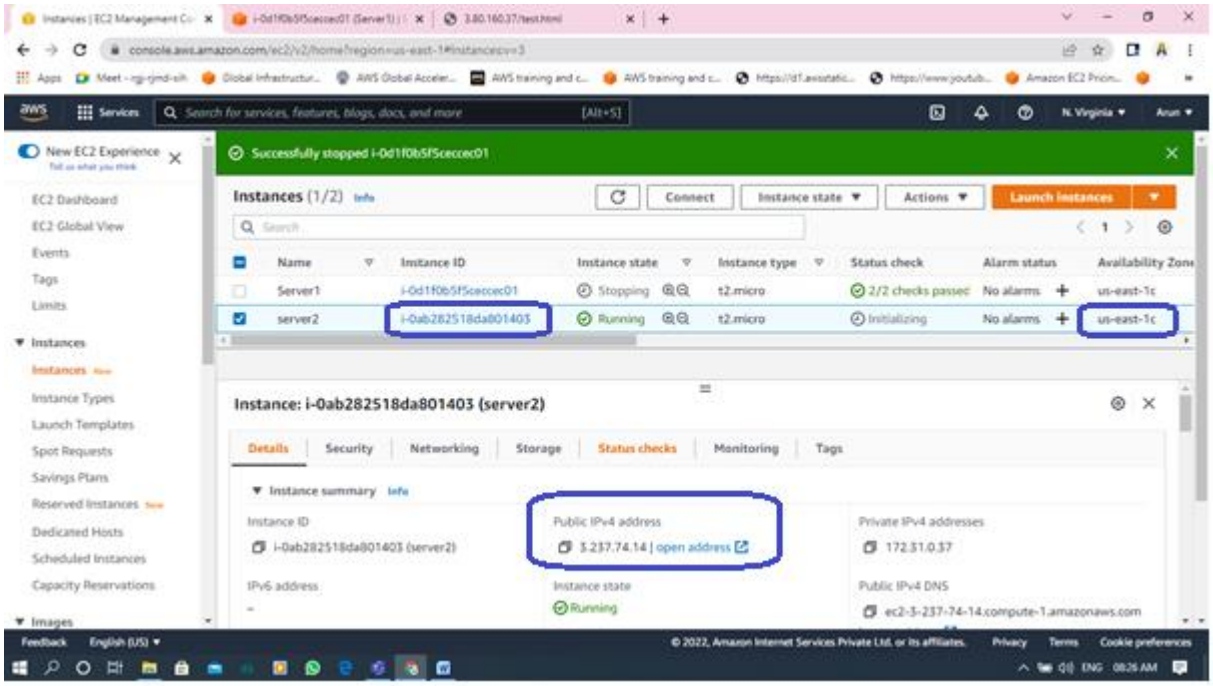
Step 4 : Stop 1 Instance Server1

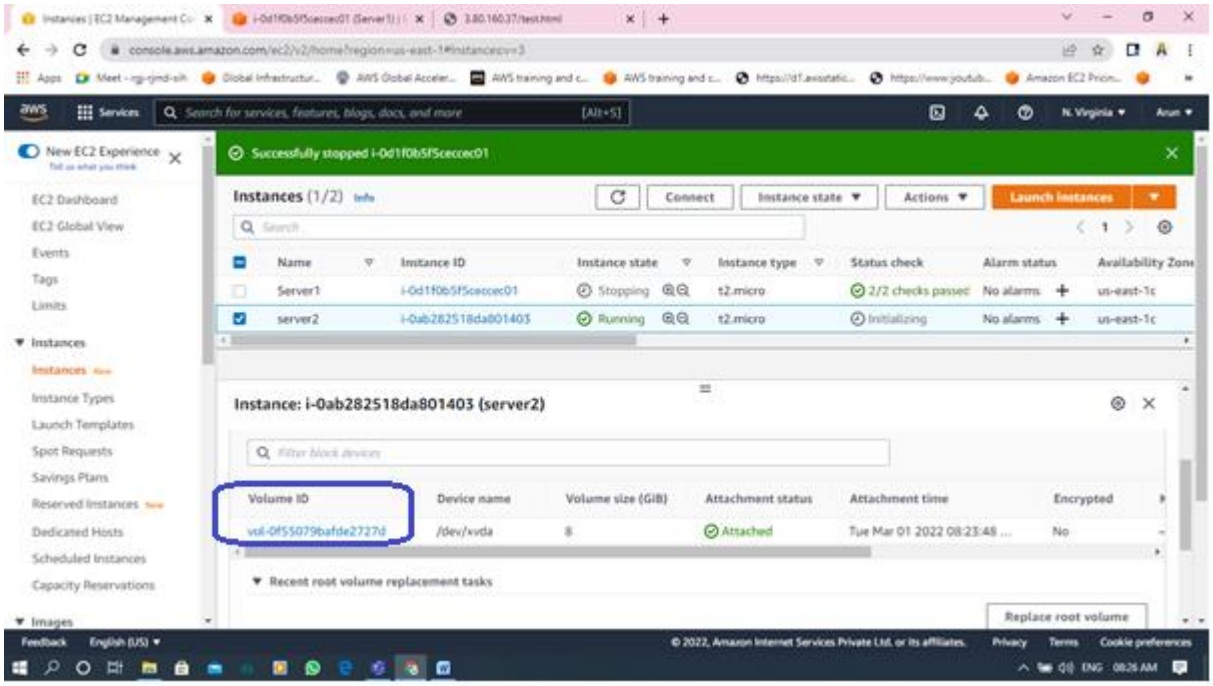




Step 5 : Launch the second instance in the same availability zone

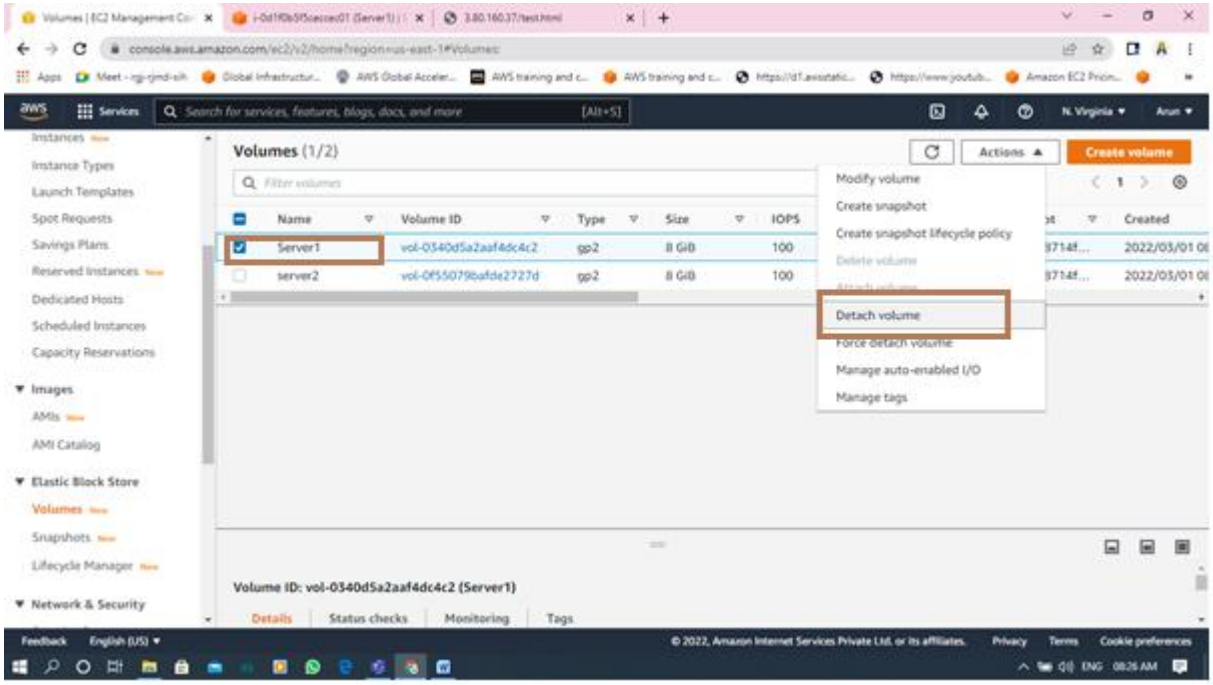
Instance ID, Volume ID, Public IP

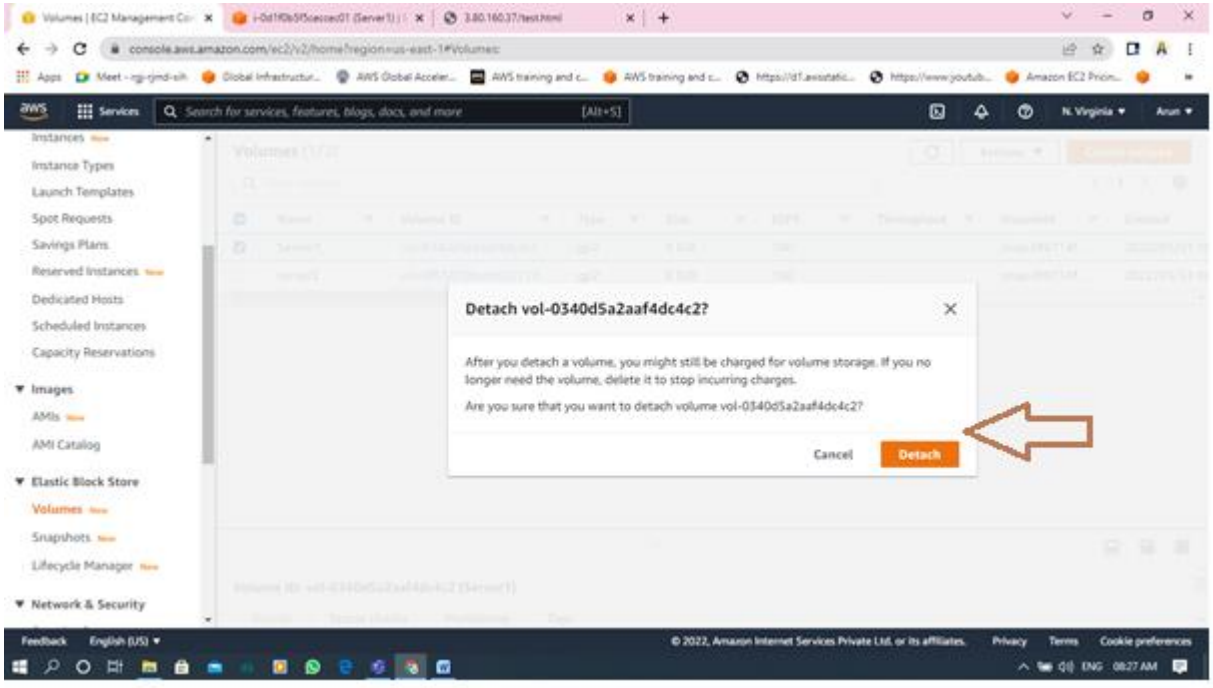




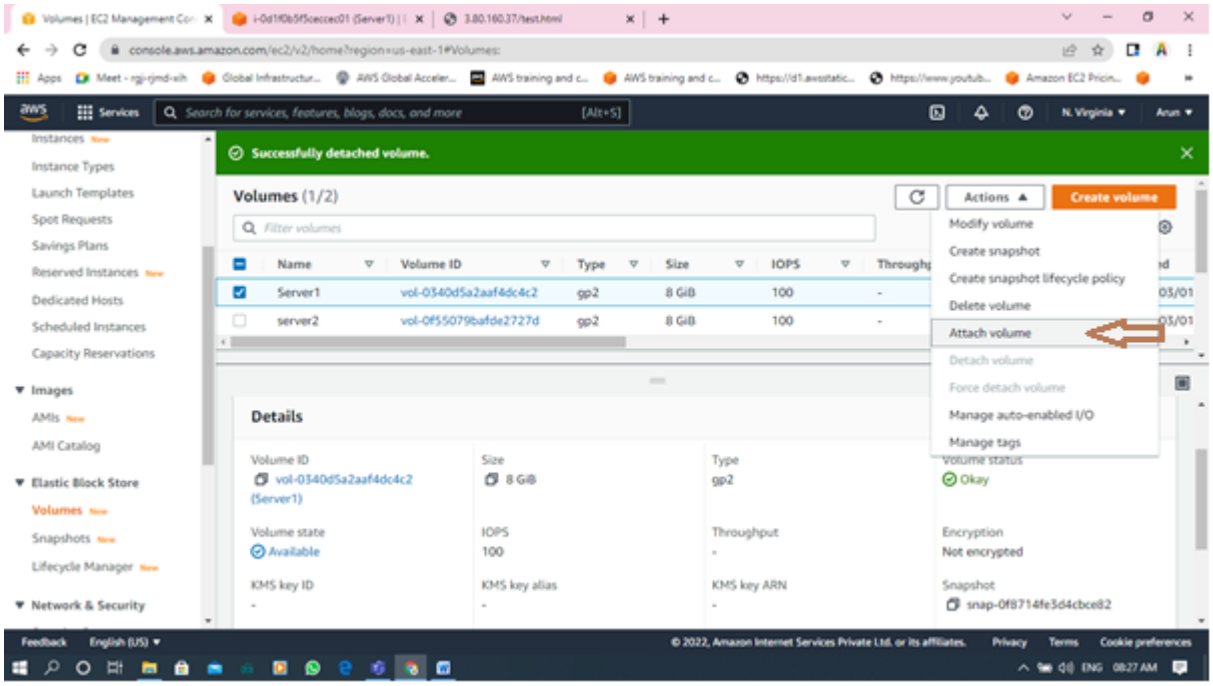
Step 6: Stop the Instance server1. Then move on to left menu. Go to Volume

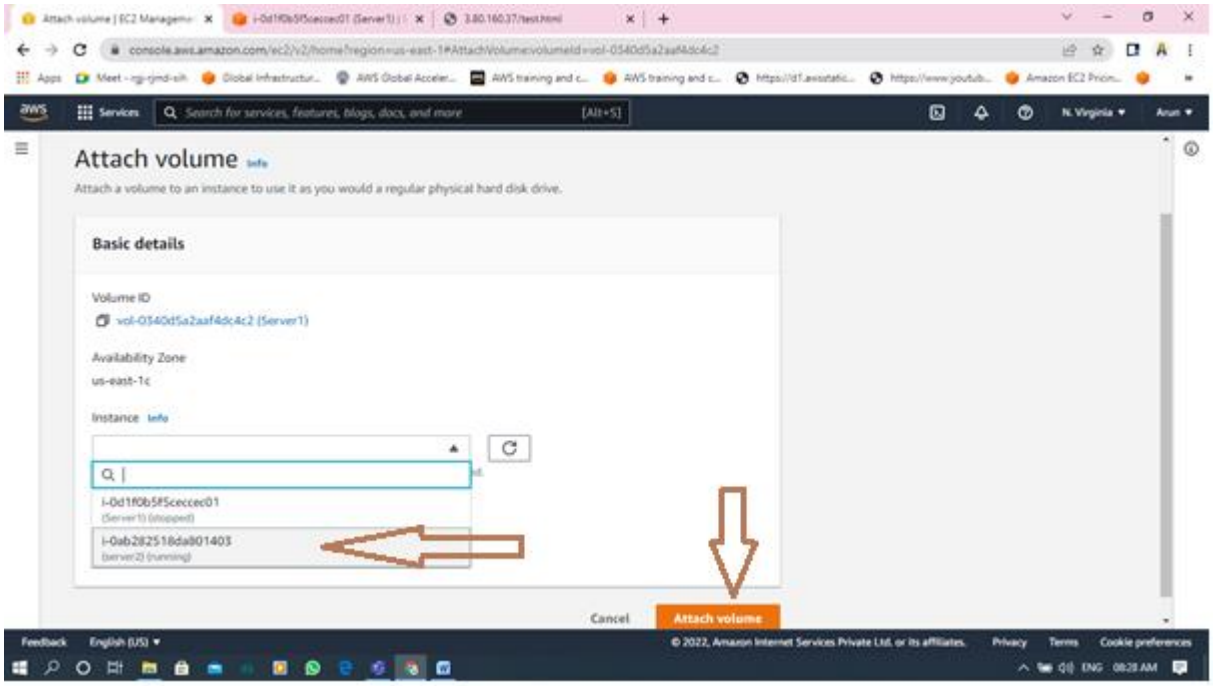
Detach the Volume 1 from server 1 , in which httpd server installed , also there is webpage test.html



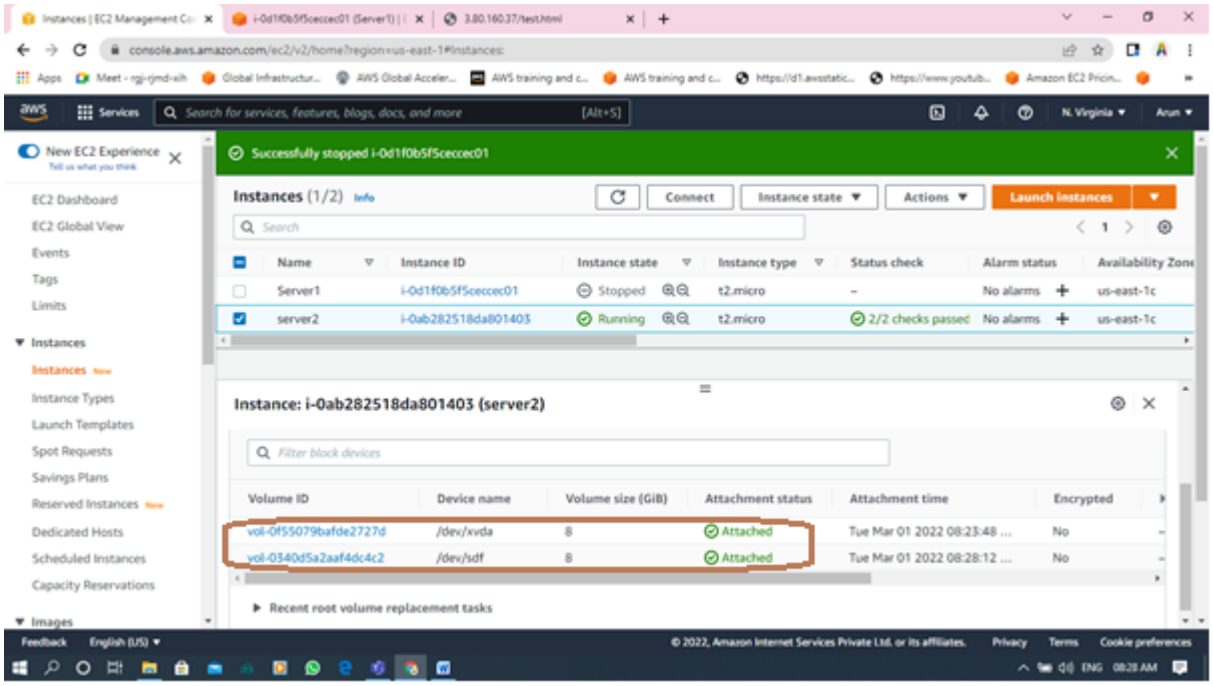


Step 7 : Attach the server 1 volume to server 2

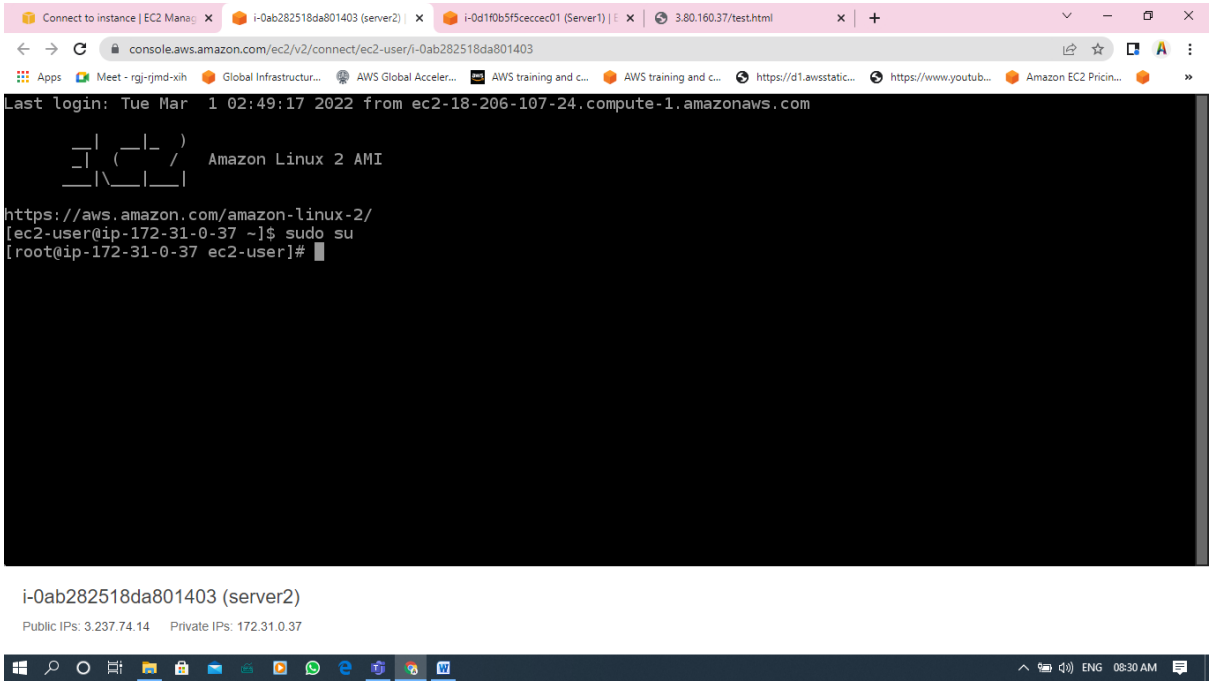




Step 8 : Now check the instance attached with both the volumes



Step 9 : Reboot the Instance and then Connect to second server (SSH)

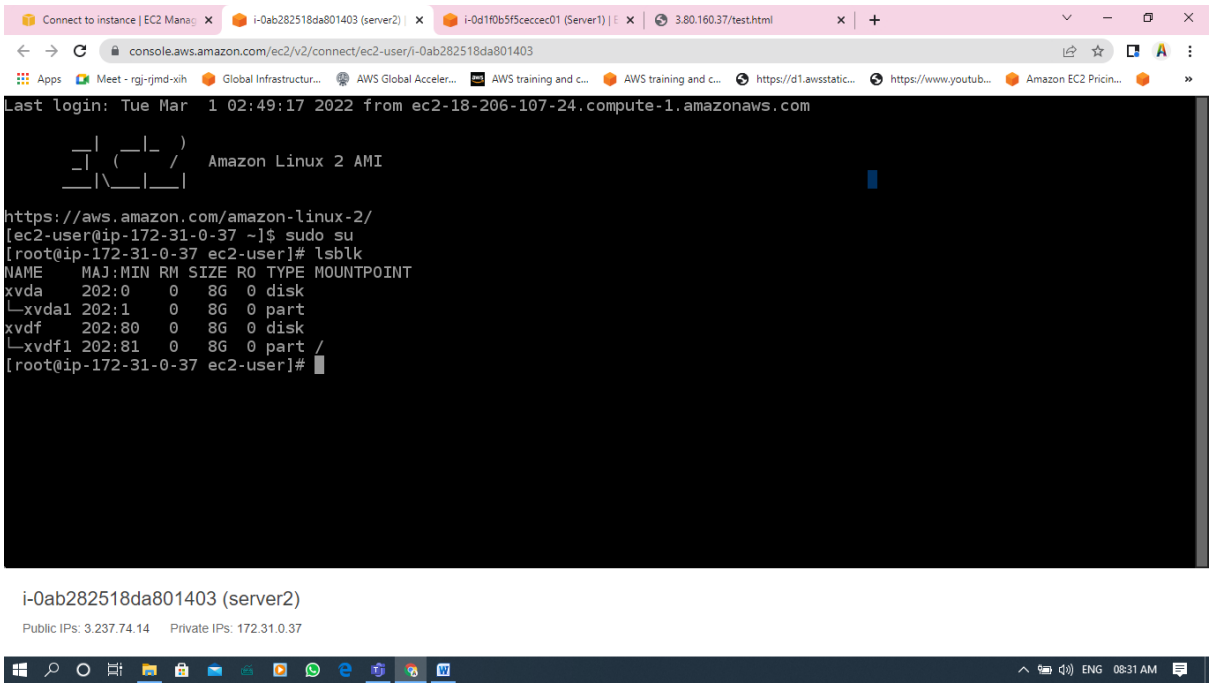


Step10 : check using lsblk it shows xvdf is mounted

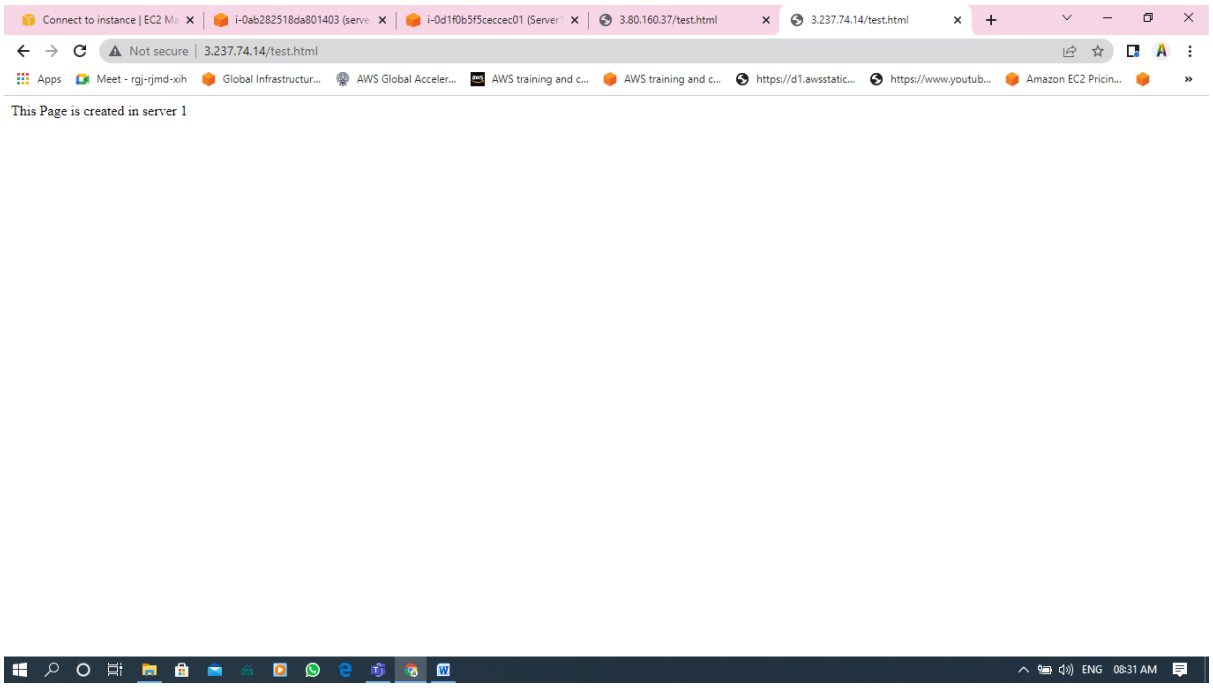
Execute the codes

Sudo mkdir vol

Sudo mount /dev/svdf1 vol

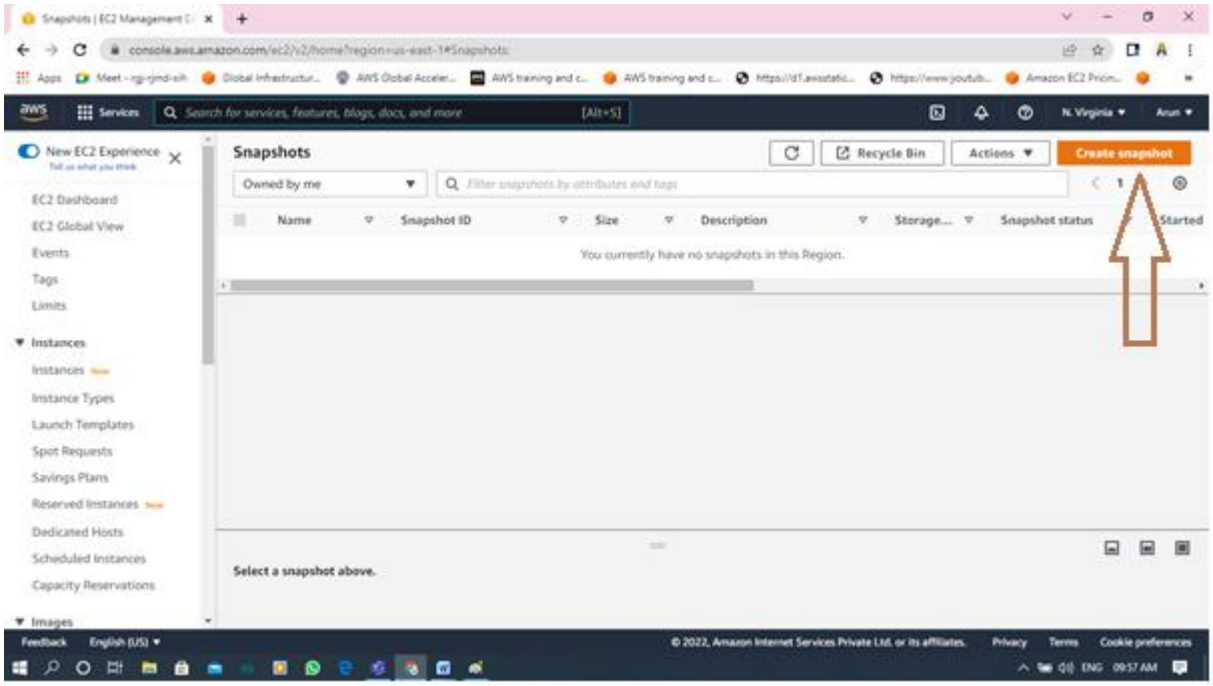


Step11 : go with server to IP address : 3.237.74.14/test.html

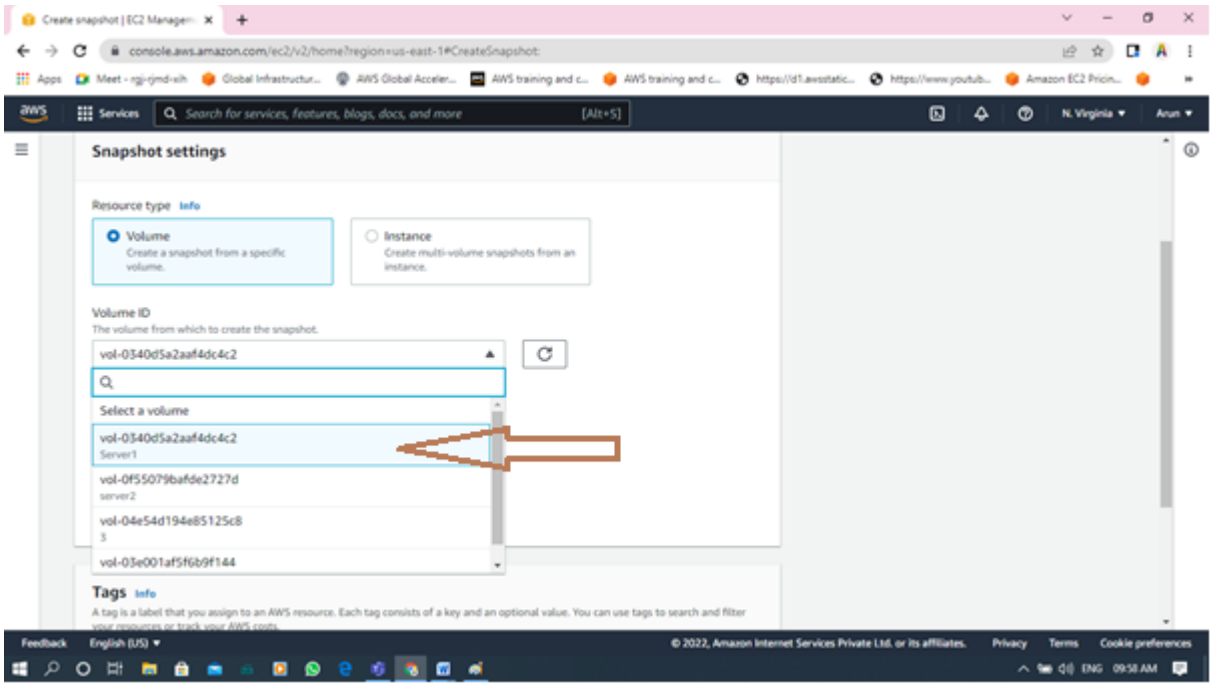


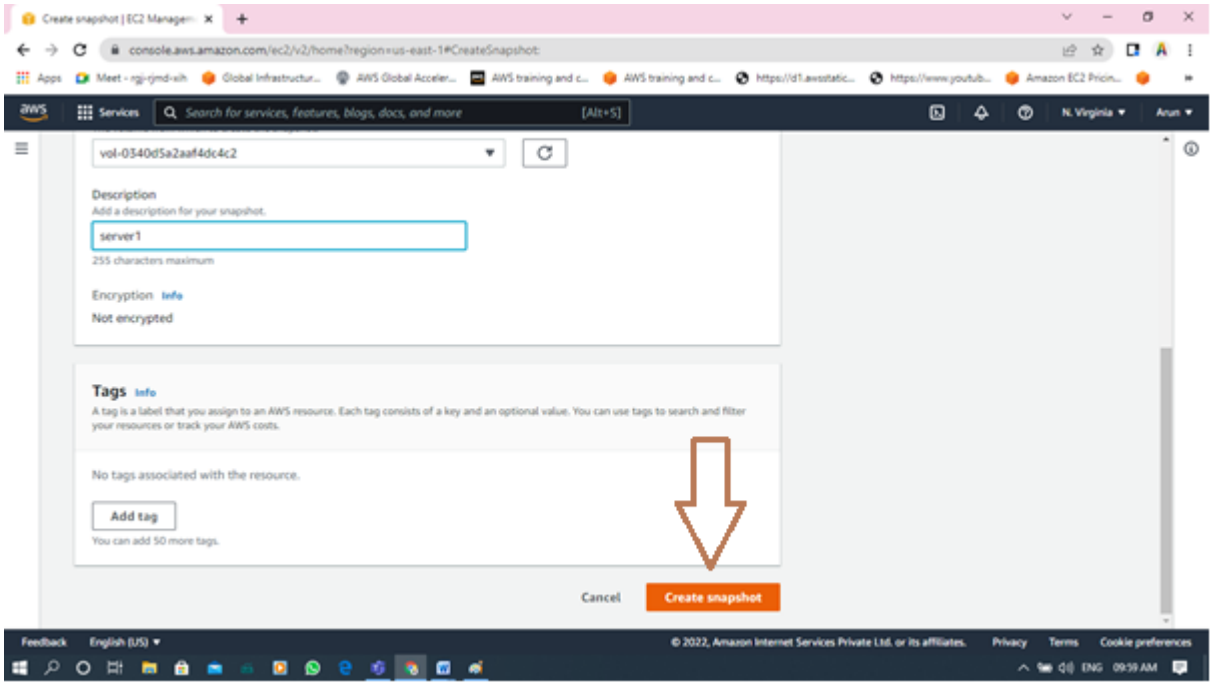
Case 2: Move EBS Across AZ within the Region

Step1: Create snapshot of the volume server1

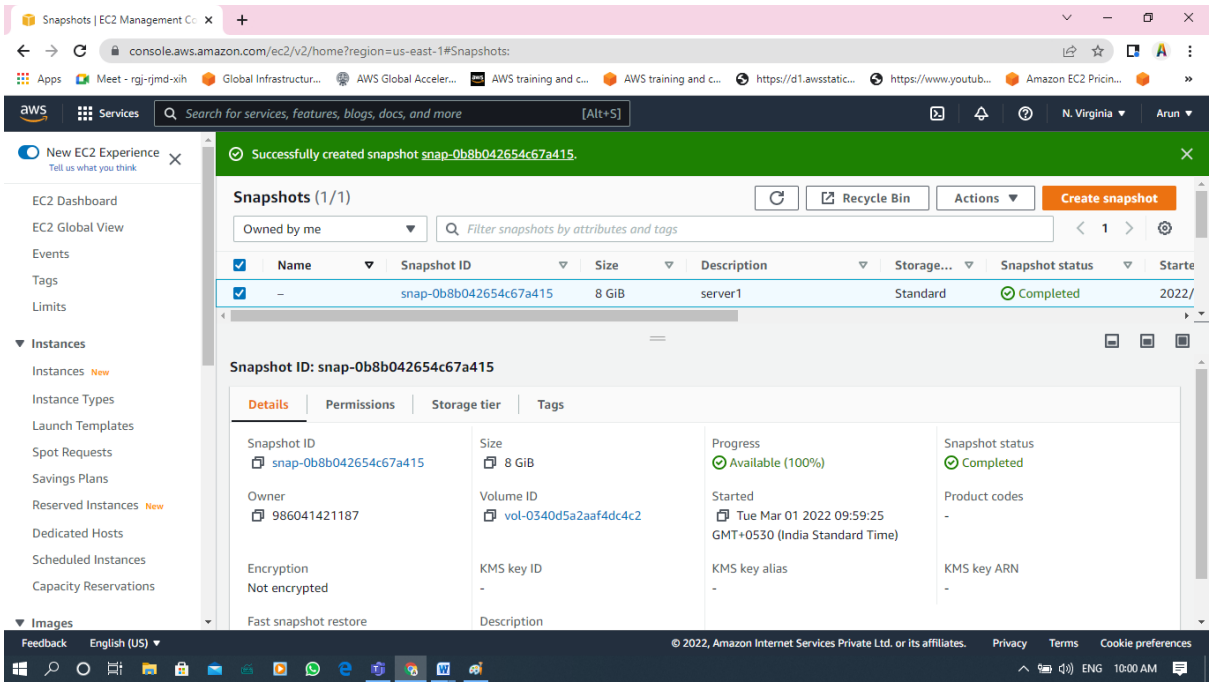


Step 2 : select the volume id and click create snapshot

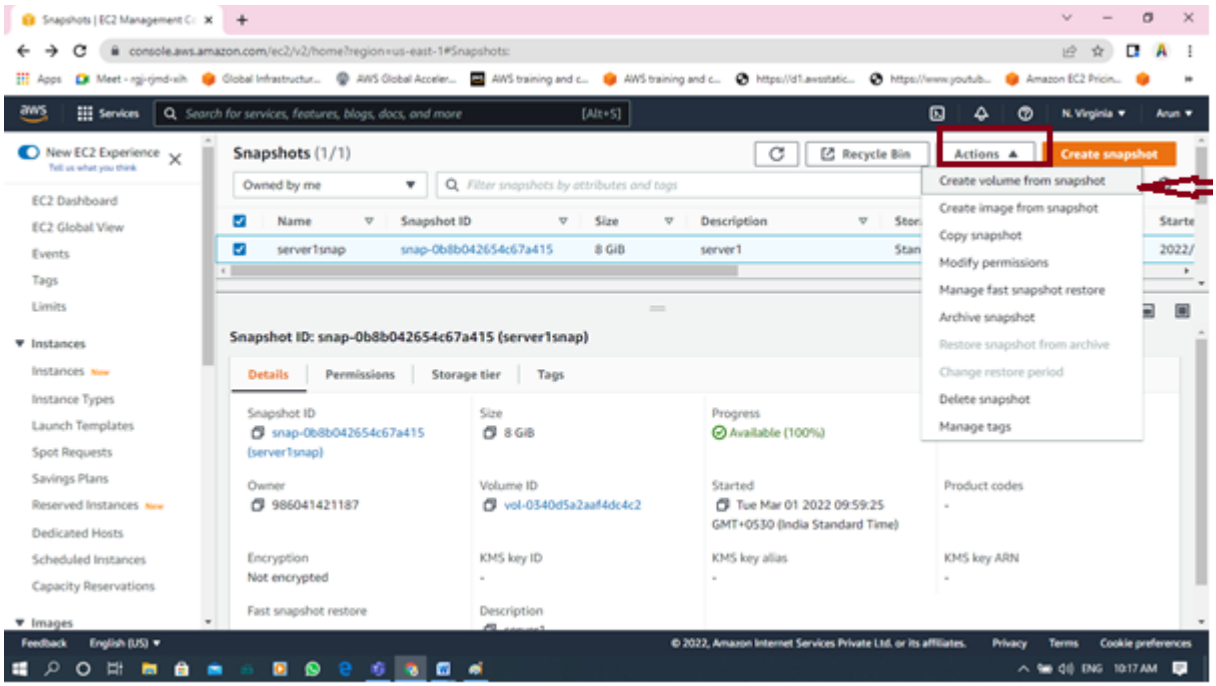




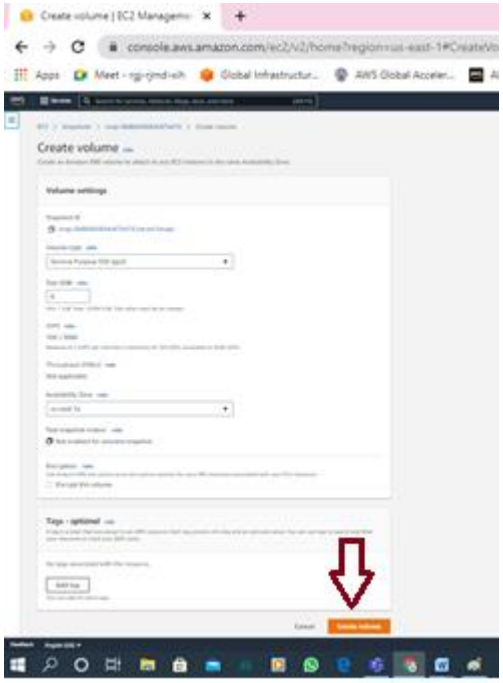
Step 4: Snapshot Created



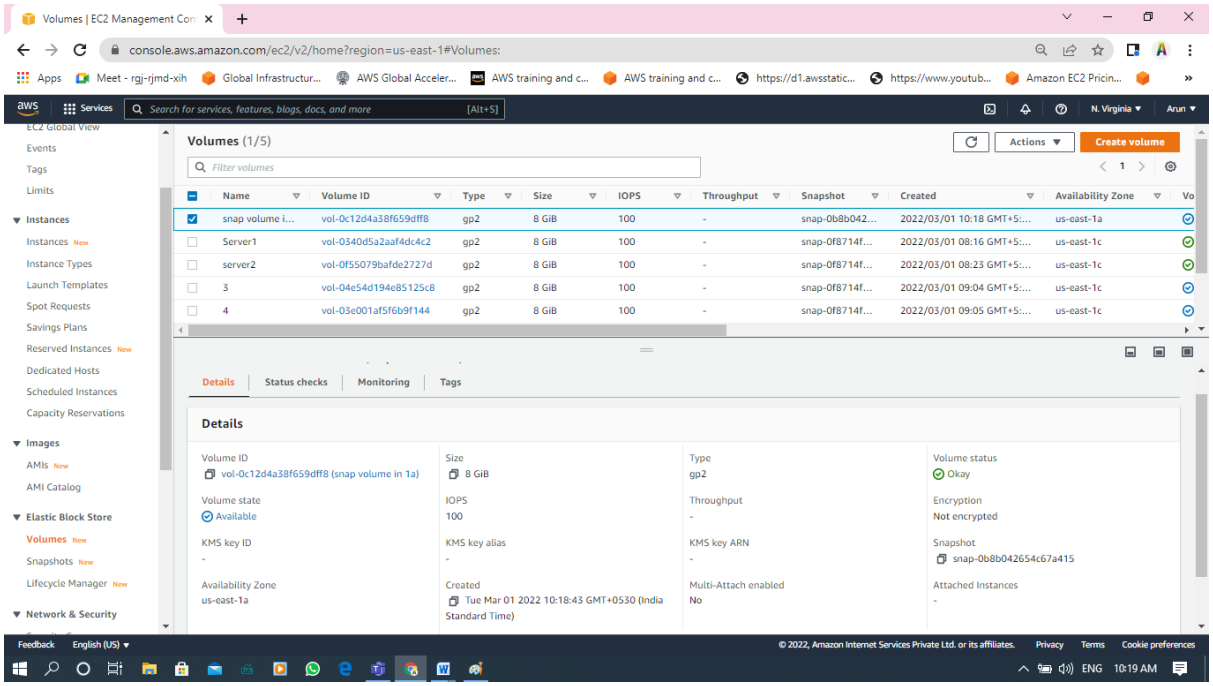
Step 5 : select the snapshot >> goto action >> create volume from snapshot



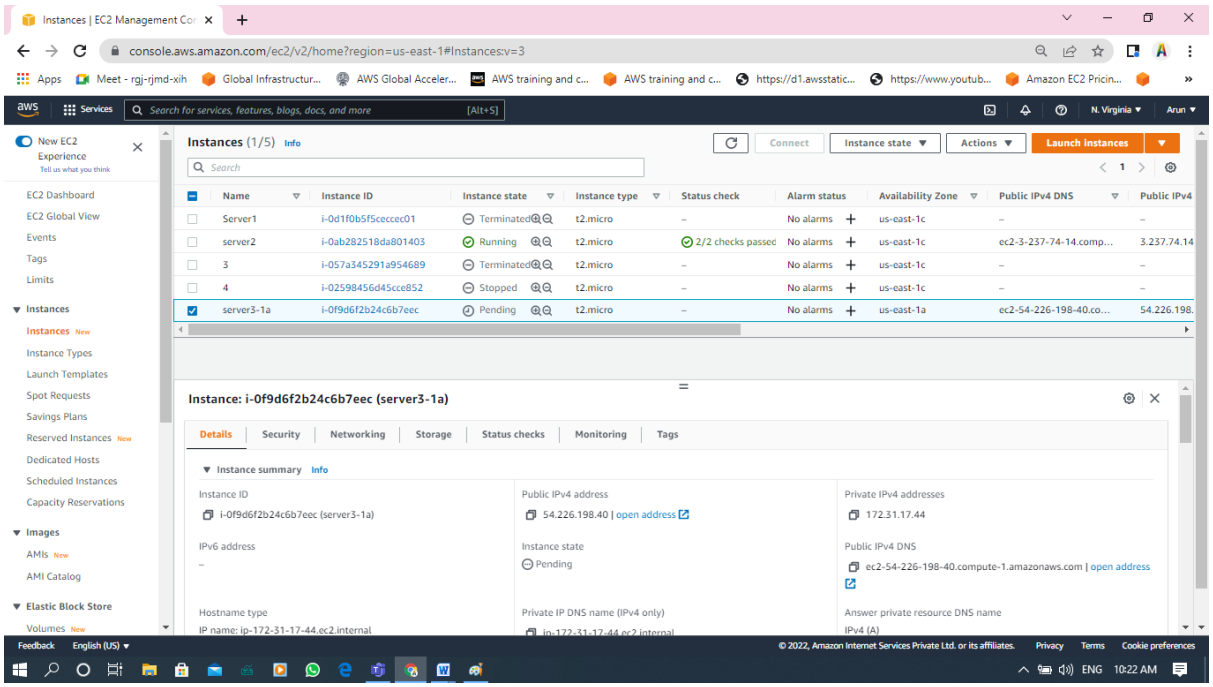
Step 6 : select the desired availability zone and click create volume



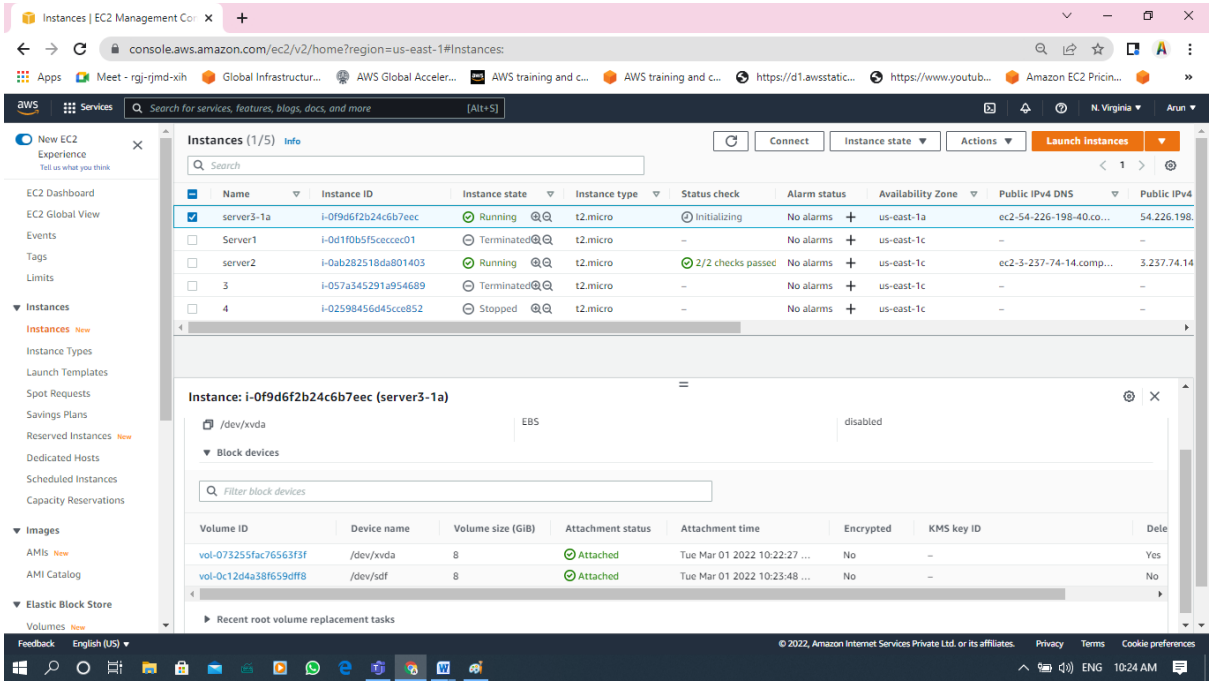
Step 7 : New volume created in AZ us-east – 1a



Step 8: Create the new instance in the AZ us-east 1a



Step 9 : Procede with same steps as in case 1 to attach the volume to new instance and mounting



Here we completed two cases of replication of ebs volume in single AZ and cross AZs within the Region