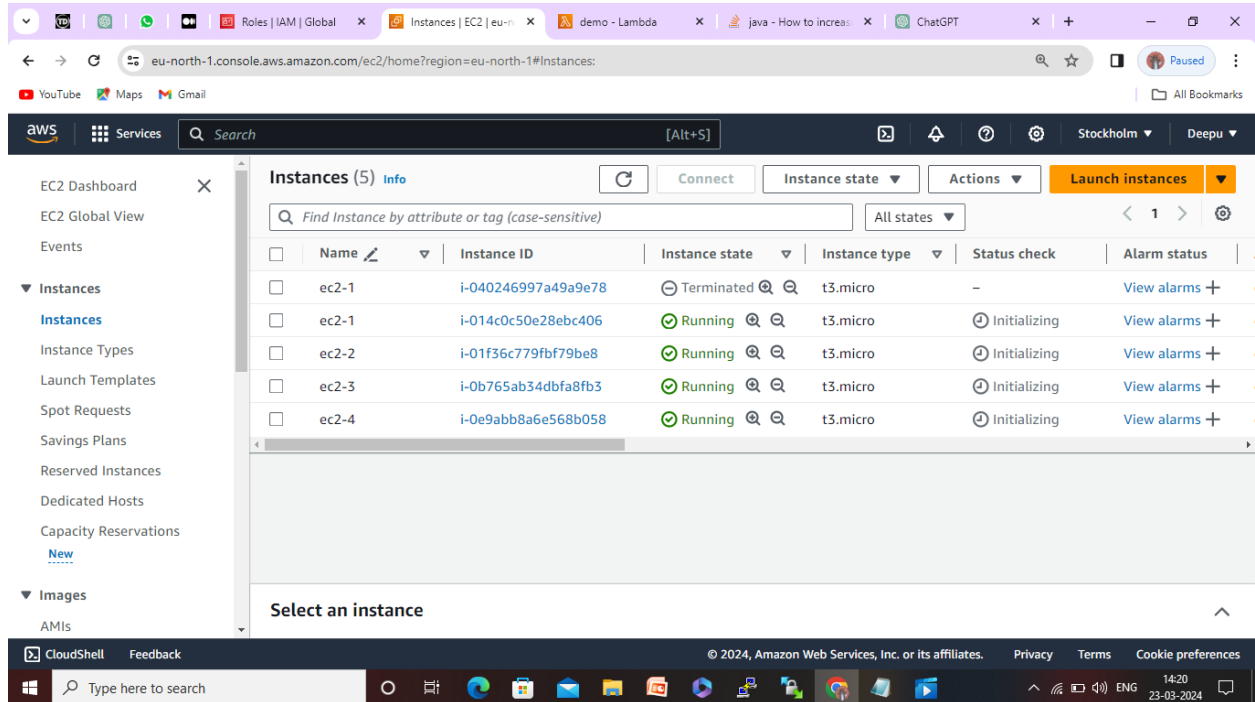
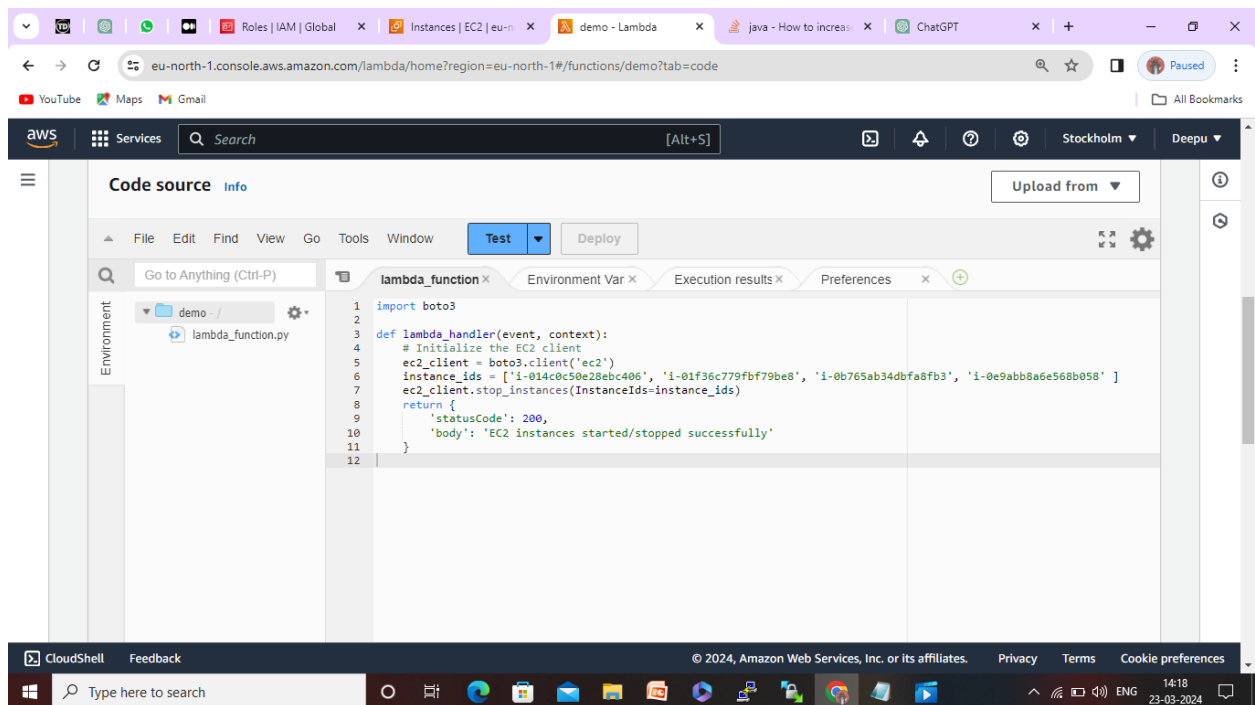


LAMBDA AND EFS TASK

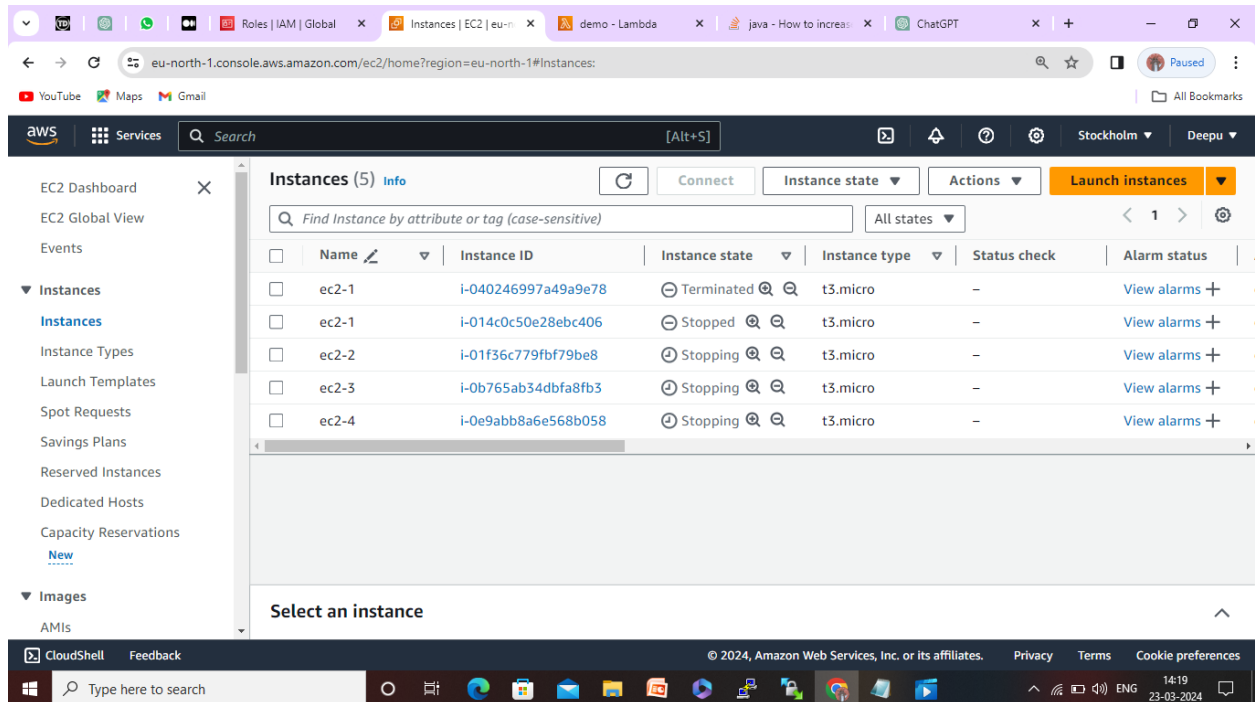
Creating multiple EC2 machines to start and stop multiple ec2 machines using a lambda function.



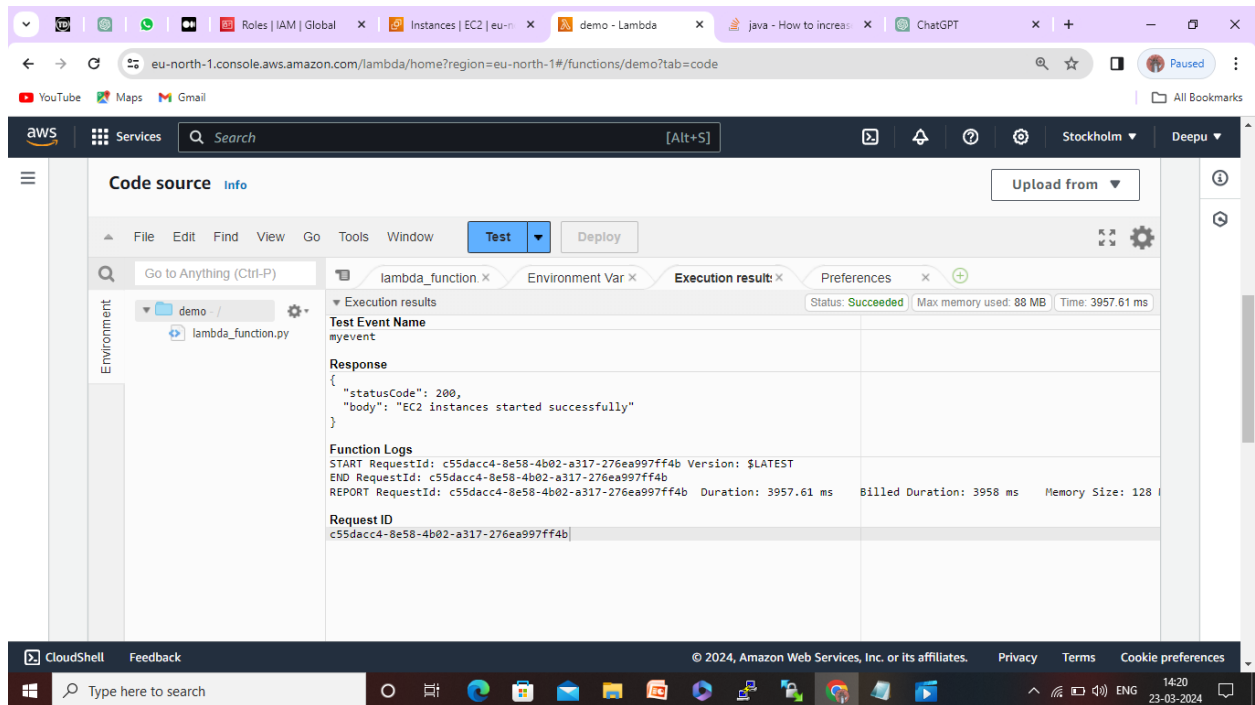
Creating python script to stop multiple ec2 machines with instances ids of ec2 .

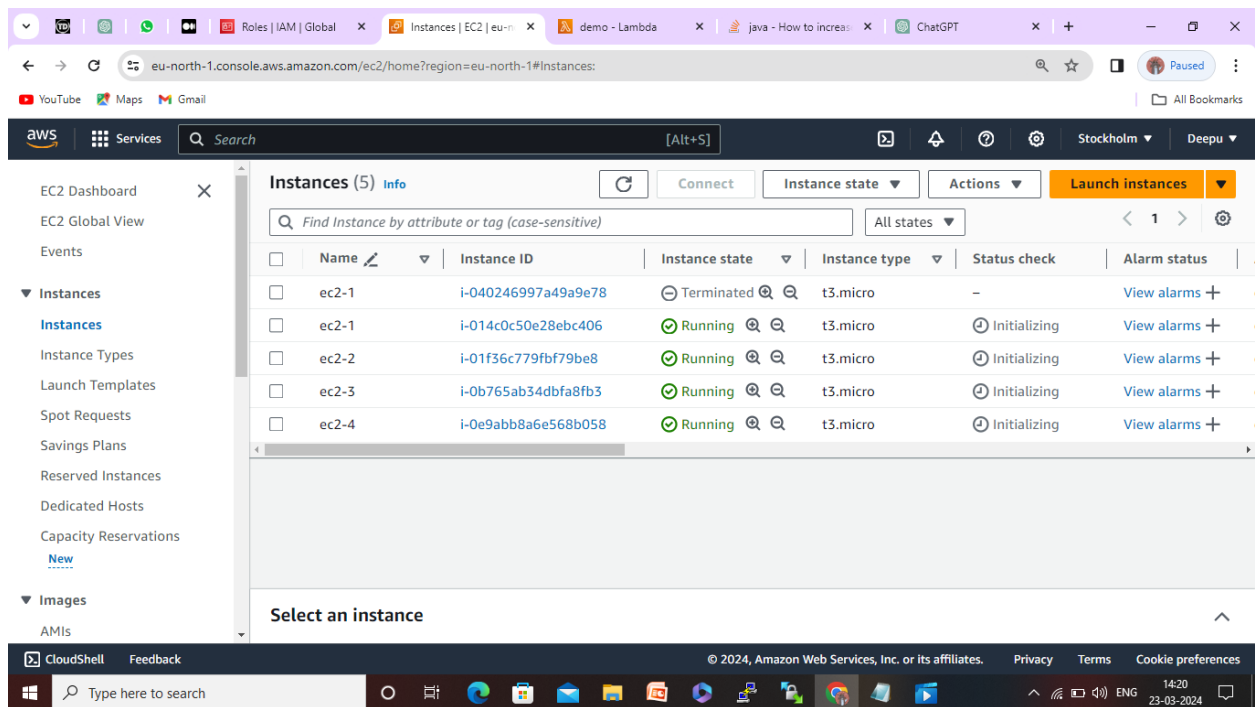


All the EC2 machines stopped successfully.

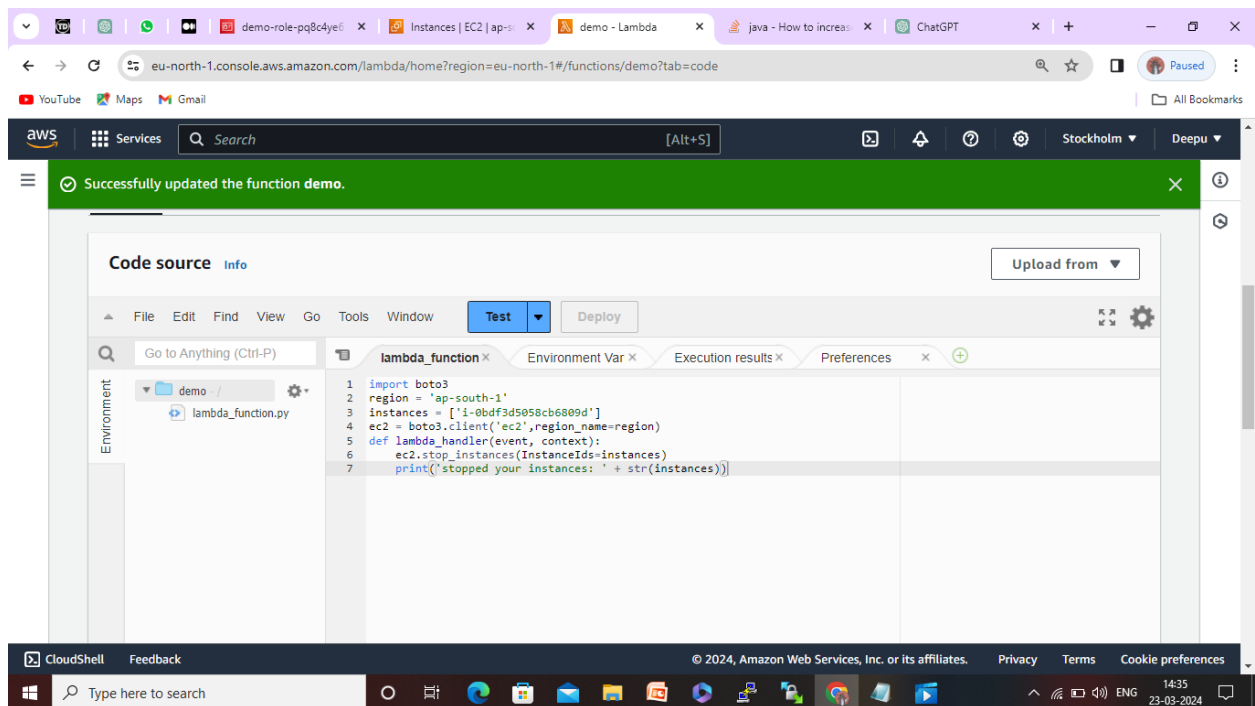


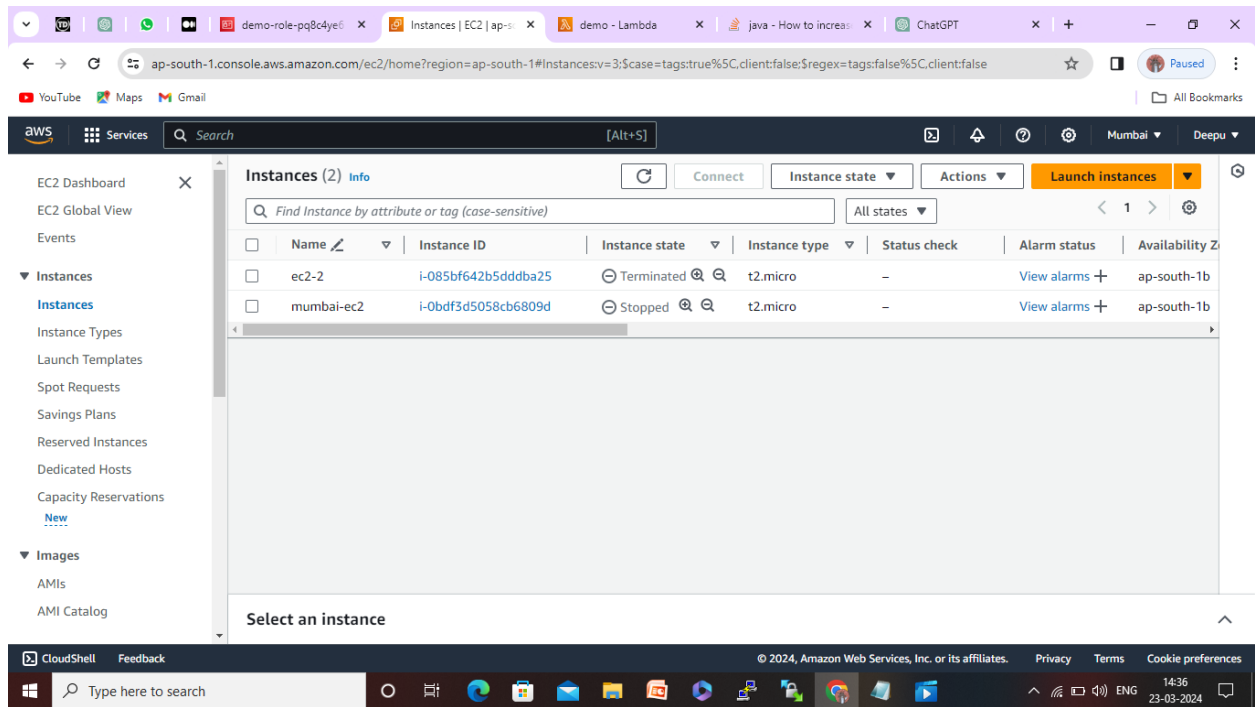
To start all the machines use `ec2_client.start_instance` in the script.





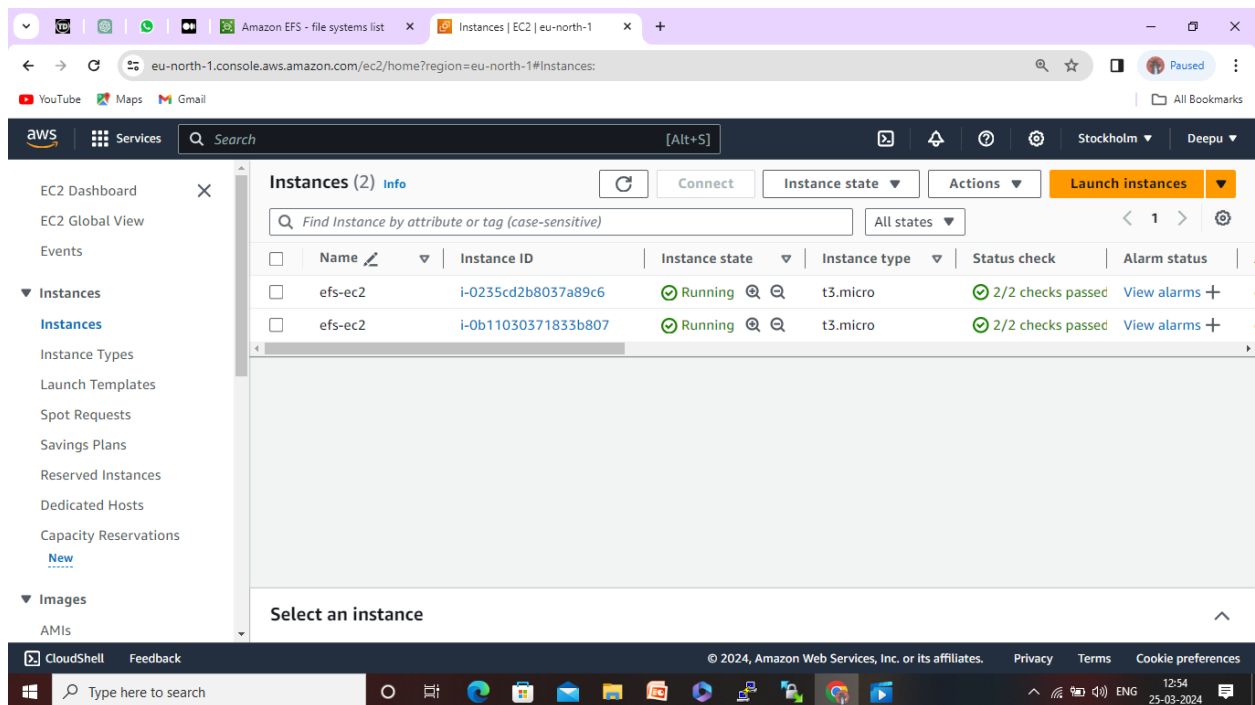
To start and stop machines from one region but lambda function in one region
Specify the region name and instance id in that.



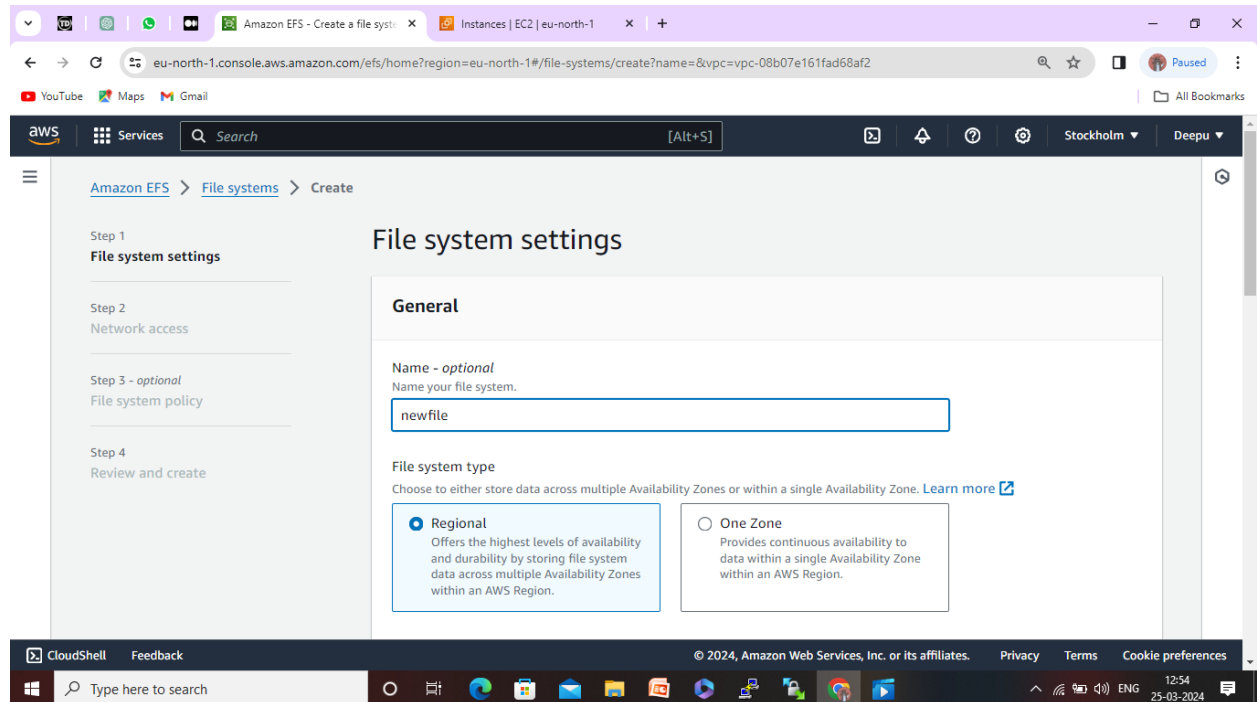


TO UNMOUNT THE EFS FILESYSTEM FROM EC2 MACHINE

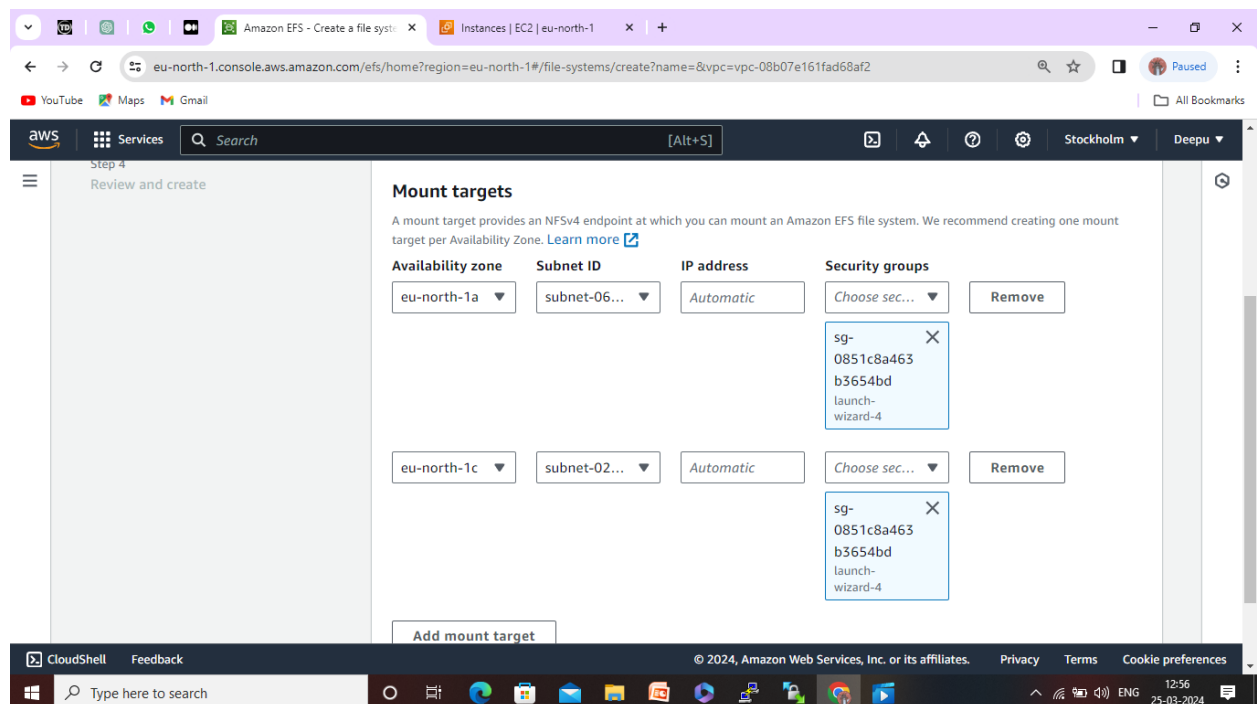
Create ec2s with NFS port configured security grp to mount the EFS filesystem for network file sharing.

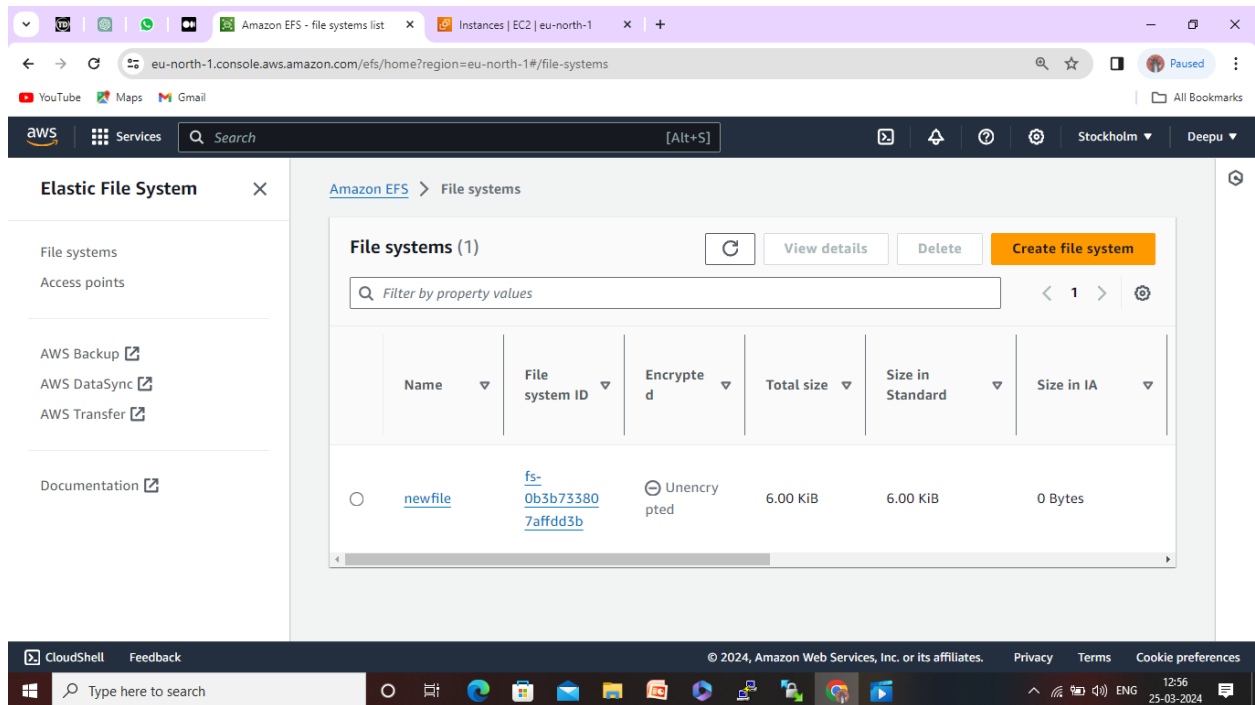


Create a EFS filesystem to attach the efs client to the machine.

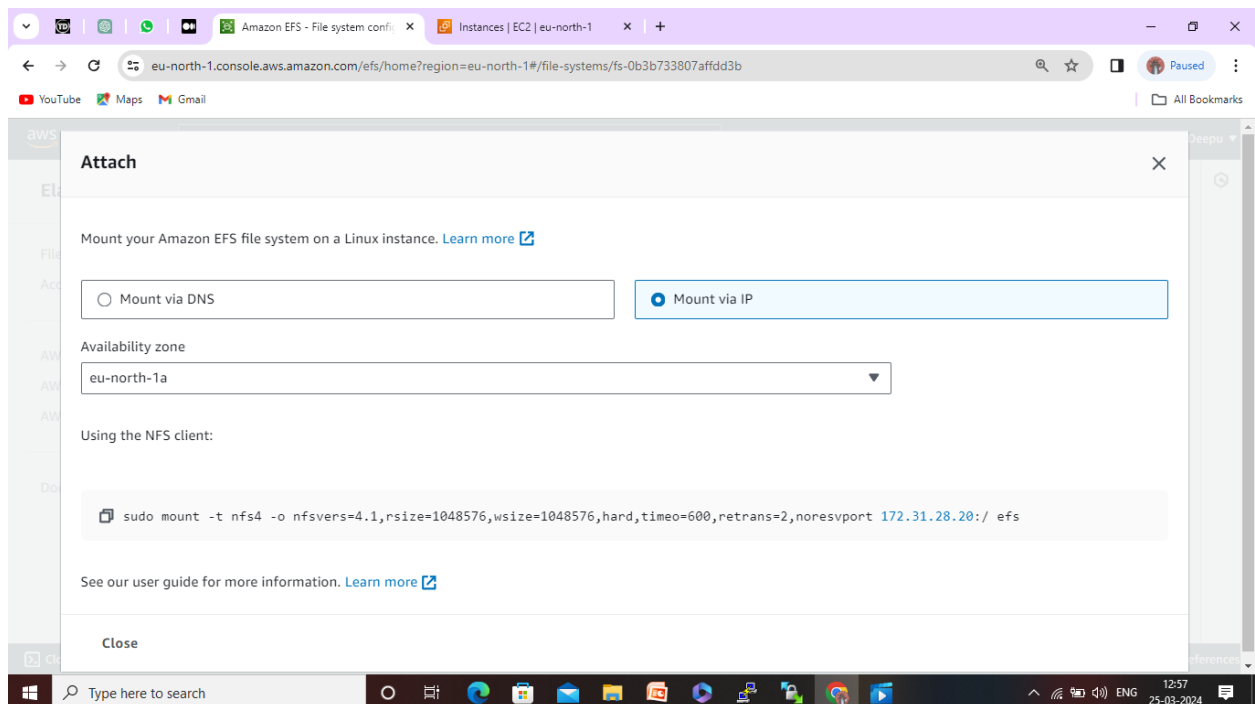


Attach the NFS configured security group to the filesystem for network file sharing.





Attach the client to the ec2 machine to mount the filesystem.



Create a new directory new and copy paste the client to the machine to create a EFS file system on both ec2 machines.

```

root@ip-172-31-26-229:~
login as: ec2-user
Authenticating with public key "linkey1"

#
###
~\##### Amazon Linux 2
~\#####
~~\#####
~~\###| AL2 End of Life is 2025-06-30.
~~\#/
~~V~!->
~~
~~~ A newer version of Amazon Linux is available!
~~~
~~~ Amazon Linux 2023, GA and supported until 2028-03-15.
~~~ https://aws.amazon.com/linux/amazon-linux-2023/
~/m/

7 package(s) needed for security, out of 12 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-26-229 ~]$ sudo -i
[root@ip-172-31-26-229 ~]# mkdir new
[root@ip-172-31-26-229 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvpo
rt 172.31.28.20:/ new
[root@ip-172-31-26-229 ~]#

```

```

root@ip-172-31-18-233: ~/new
login as: ec2-user
Authenticating with public key "linkey1"

_#
~\  ###      Amazon Linux 2
~~ \_#####\
~~  \#####\
~~   \####|  AL2 End of Life is 2025-06-30.
~~    \#/
~~     V~'  ->
~~~~
~~~_./_
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A newer version of Amazon Linux is available!

Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

7 package(s) needed for security, out of 12 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-18-233 ~]$ sudo -i
[root@ip-172-31-18-233 ~]# mkdir new
[root@ip-172-31-18-233 ~]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvpo
rt 172.31.28.20:/ new
[root@ip-172-31-18-233 ~]# ls
new
[root@ip-172-31-18-233 ~]# ls
new
[root@ip-172-31-18-233 ~]# cd new
[root@ip-172-31-18-233 new]# ll
total 4
-rw-r--r-- 1 root root 0 Mar 25 07:33 file1
[root@ip-172-31-18-233 new]#

```

Now file sharing done in both ec2 machines through NFS port enabled.

