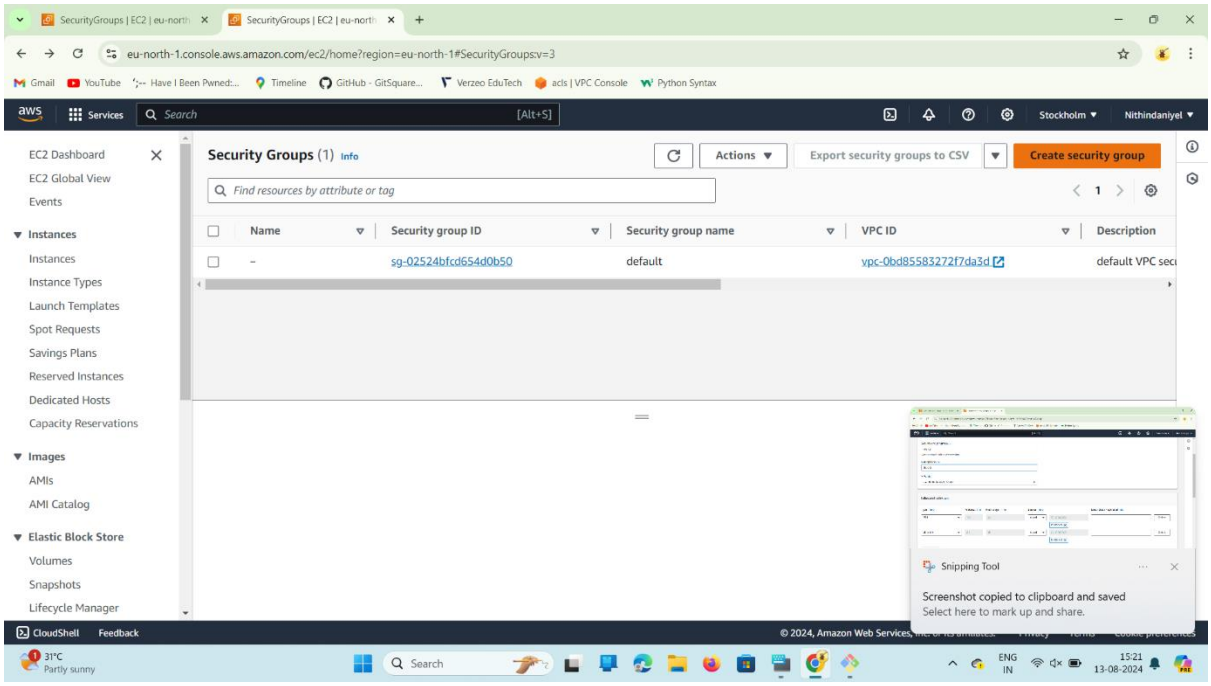
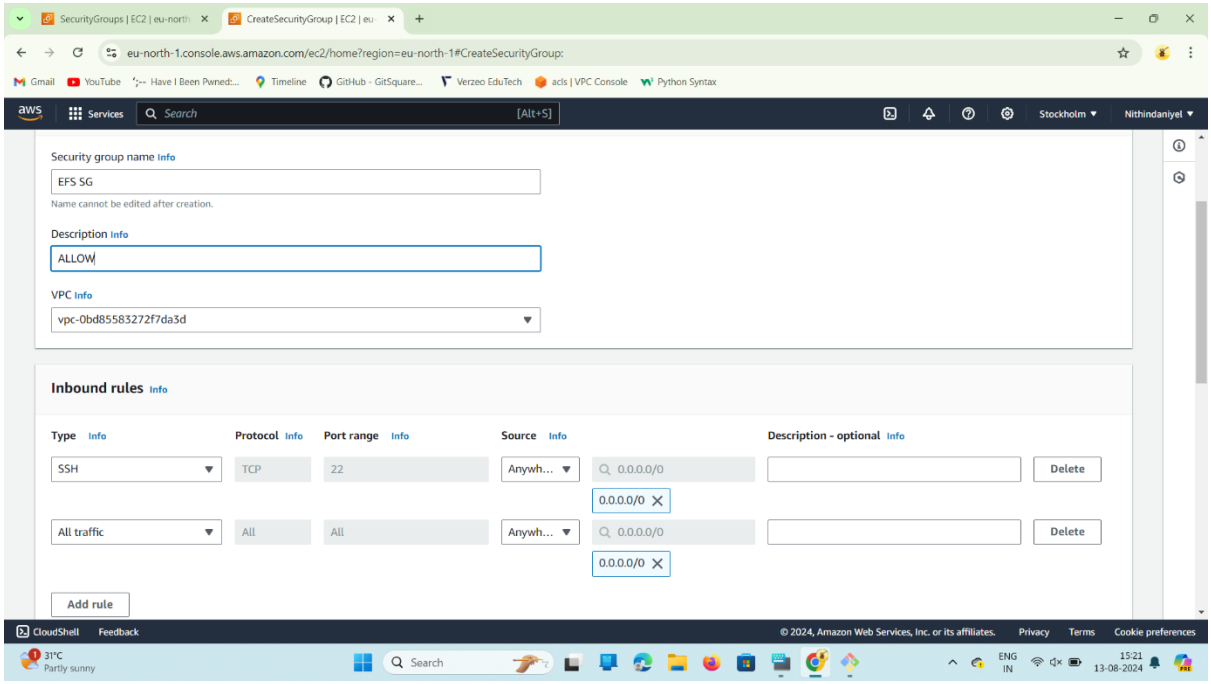
EFS

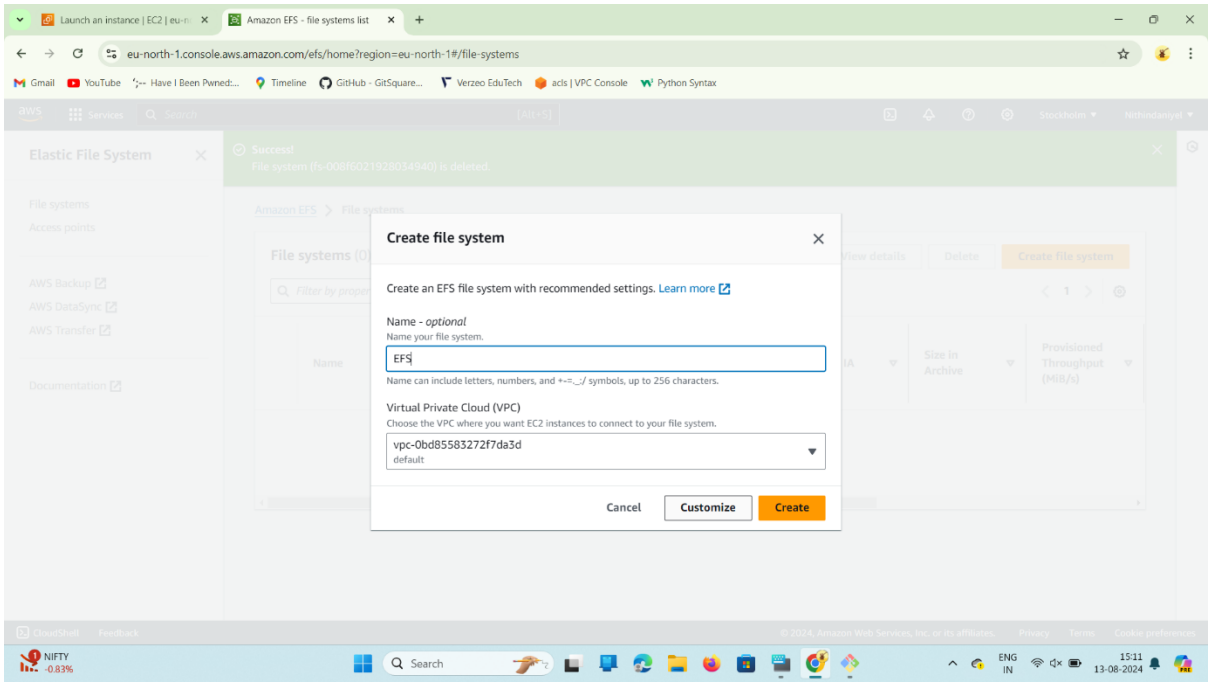
- Security group
- Create an security group with inbound rules



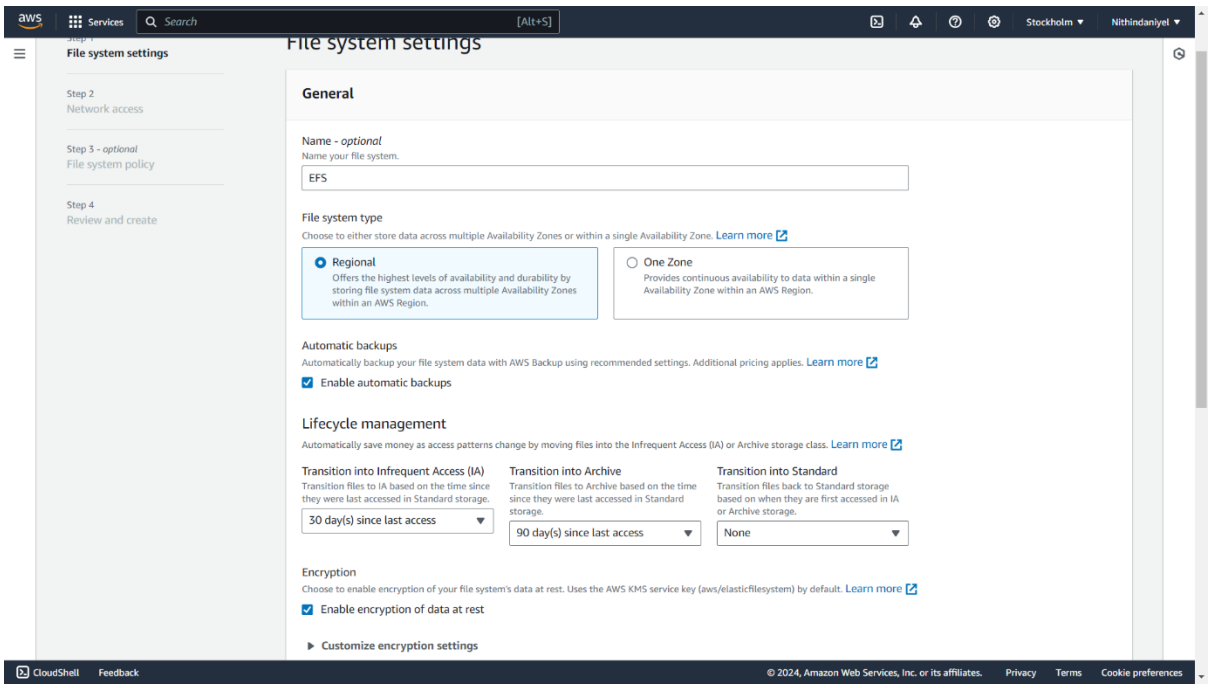


- Then create security group.

- EFS
- Create an EFS with existing security group.

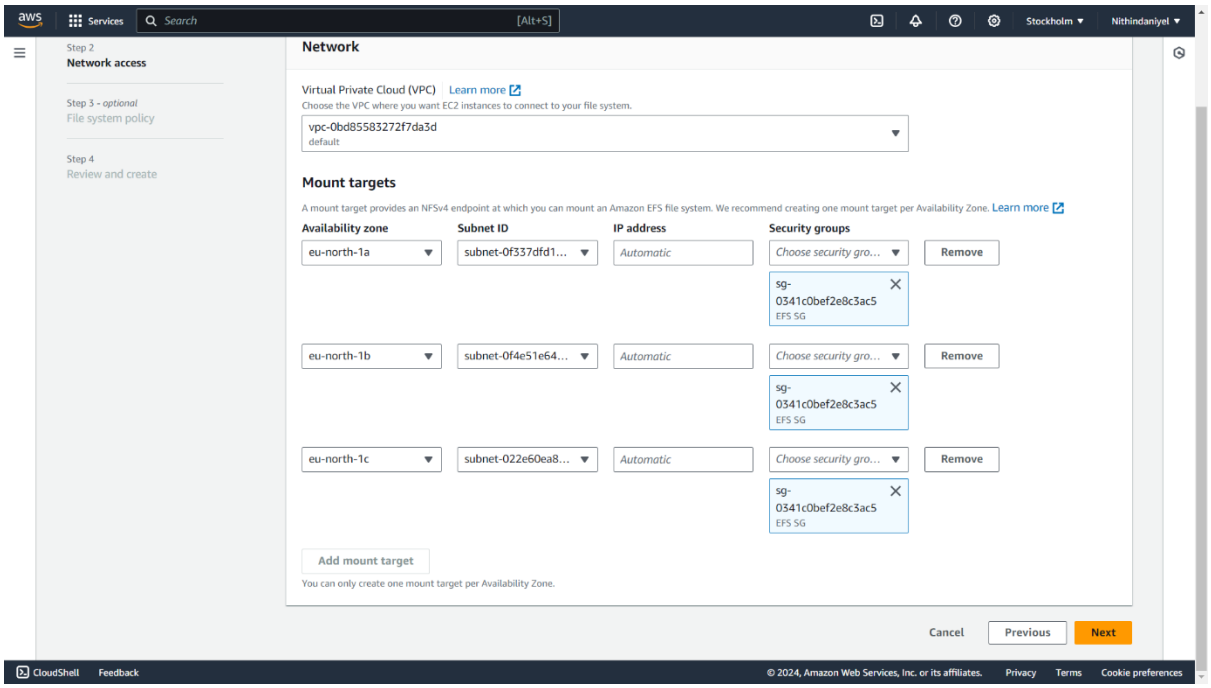


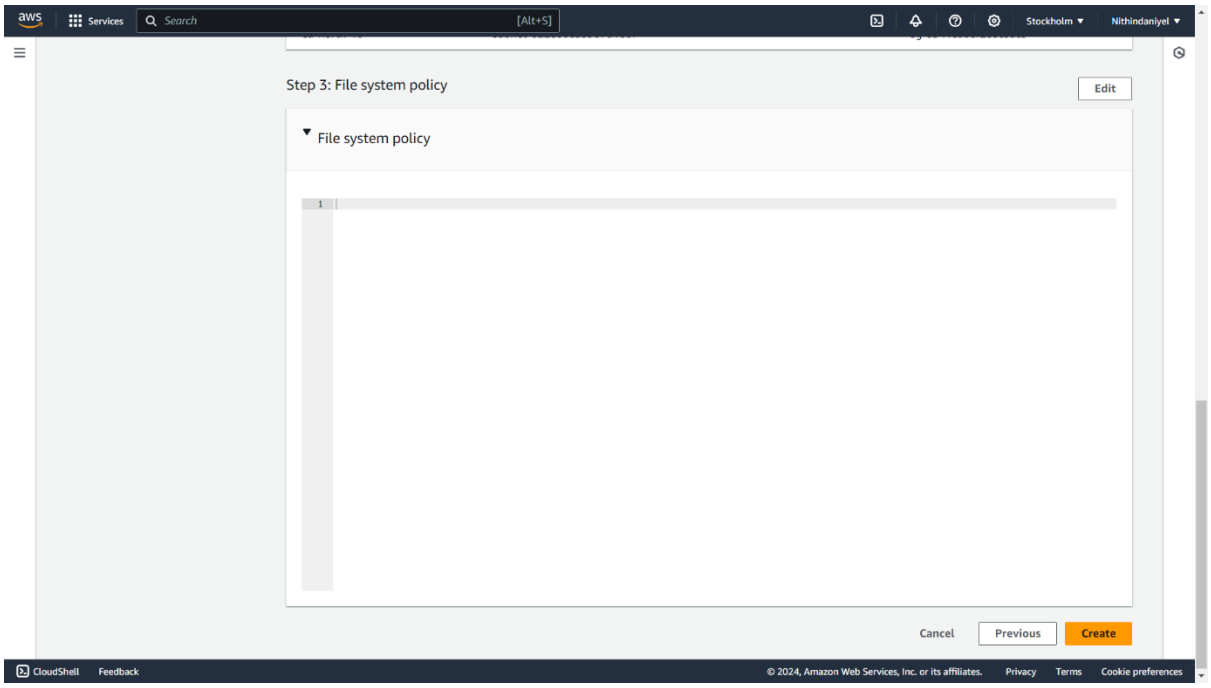
- Customize the file system



- Leave the remaining as default & click the next button to continue.

- Remove the default security group and add the existing security group
- Click the next button.

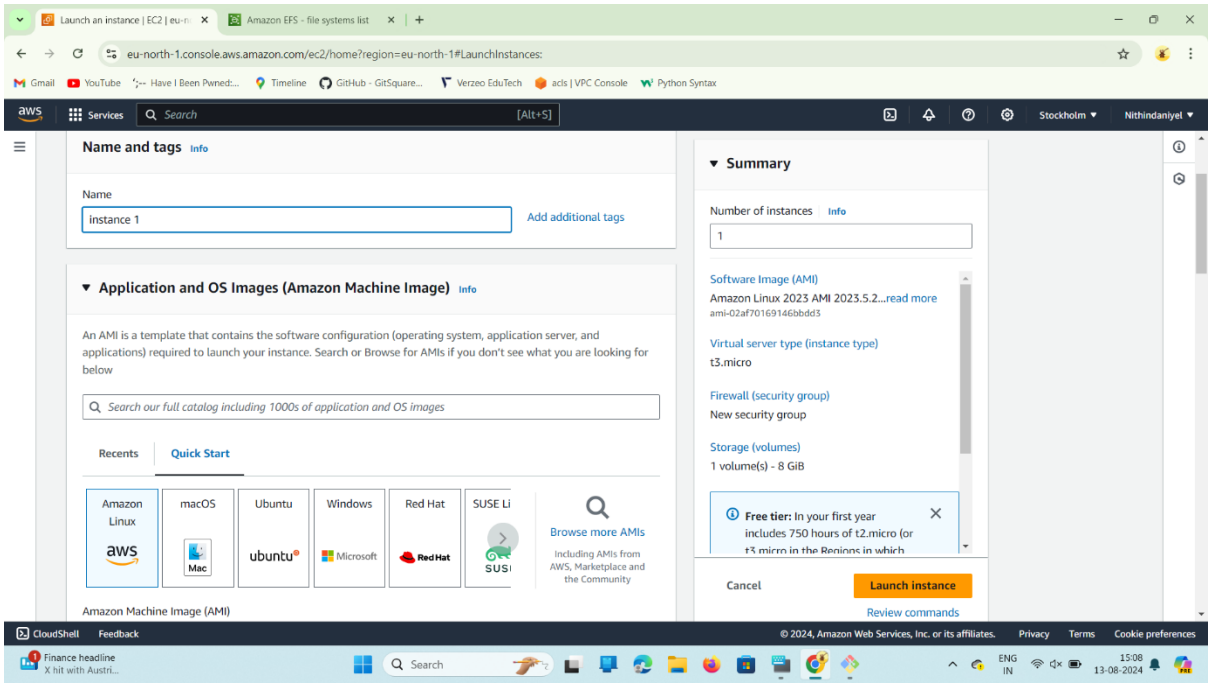


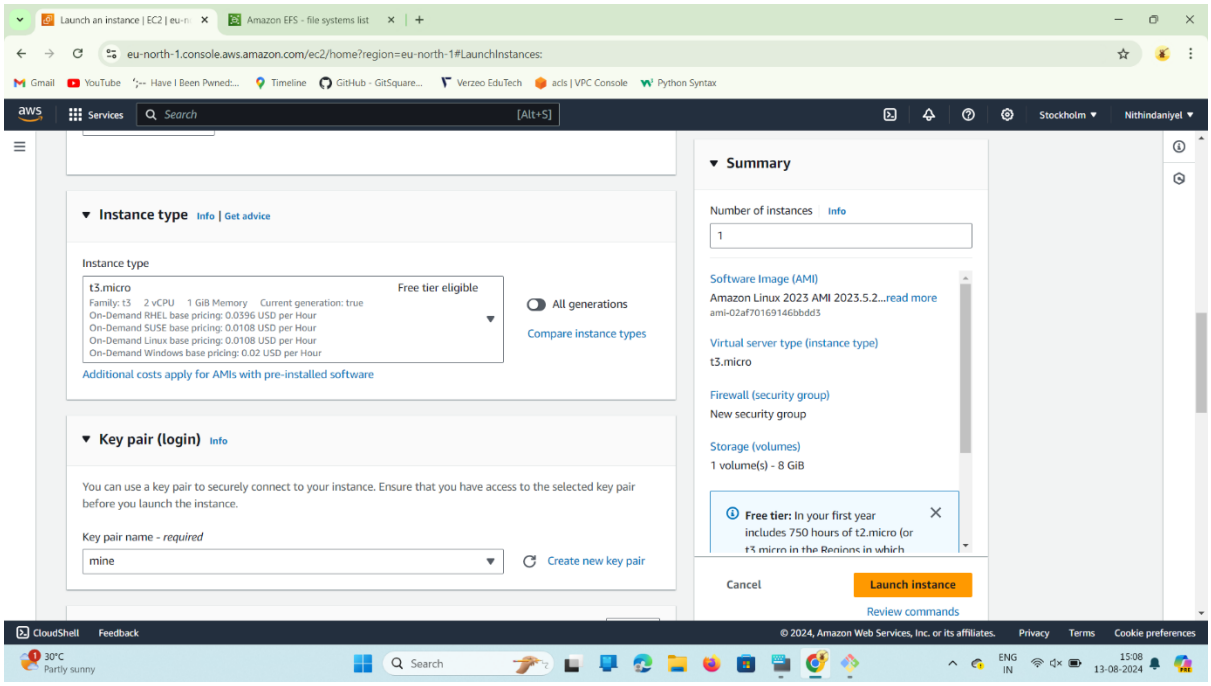


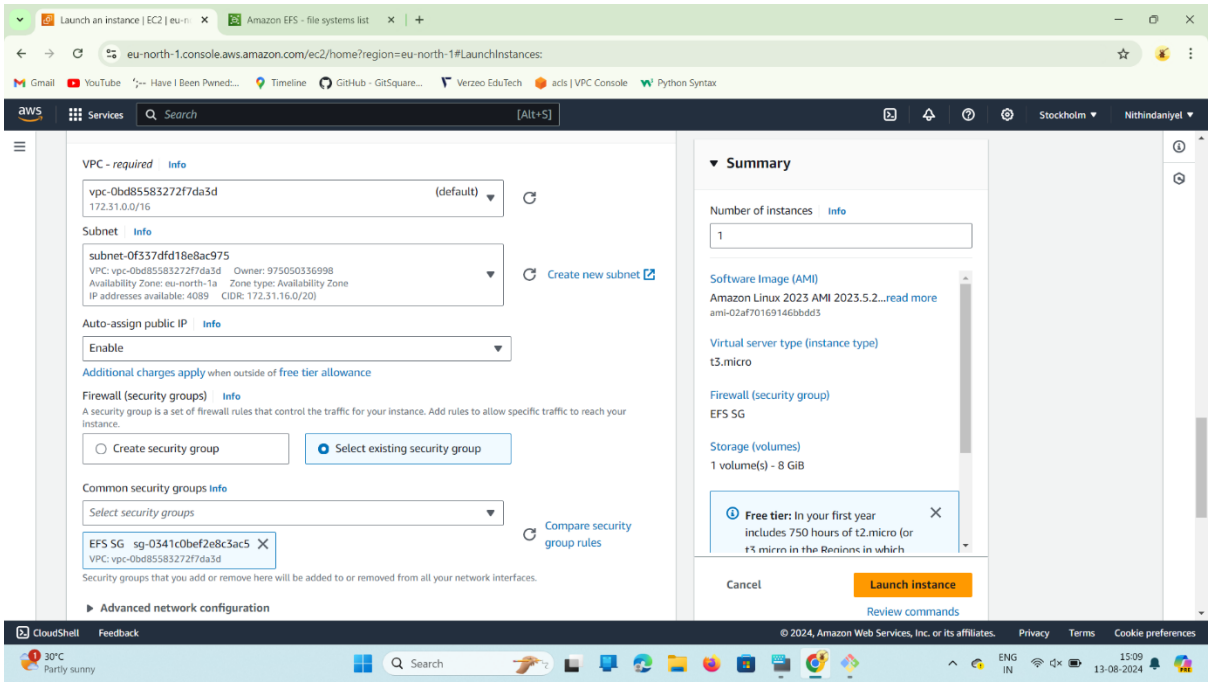
- Click on the create button to create the efs.
- The EFS will be created.
- After this create the ec2 instances.

EC2

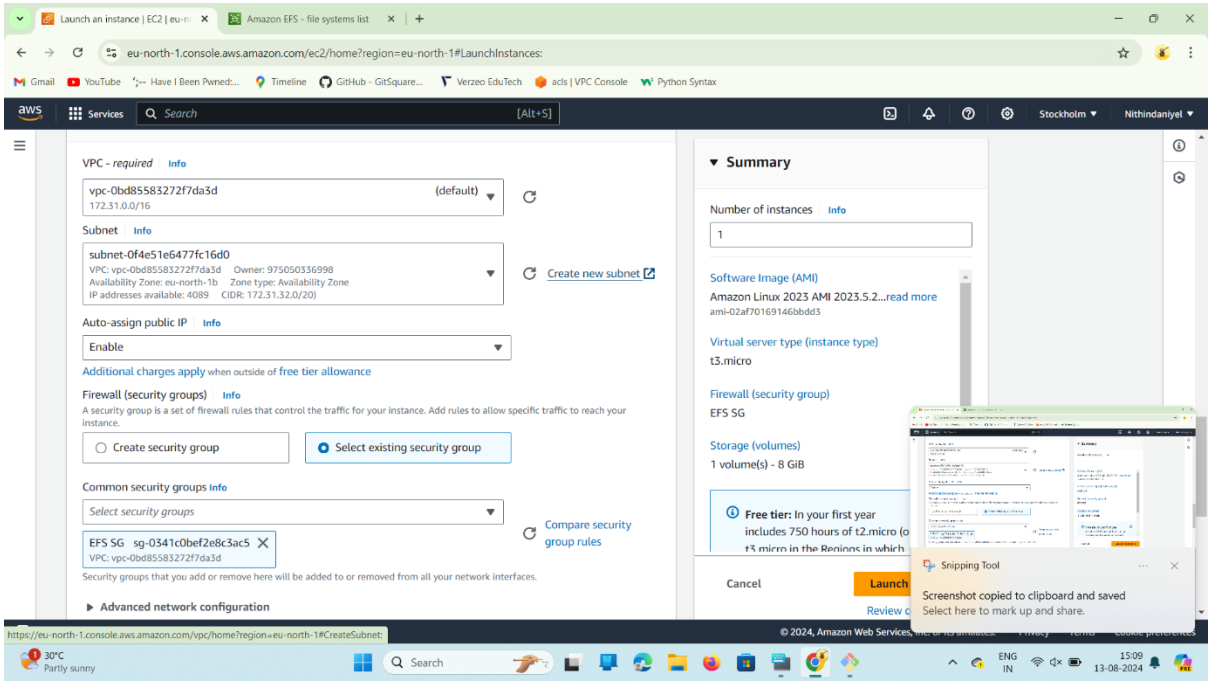
- Create the ec2 instances to connect the efs.



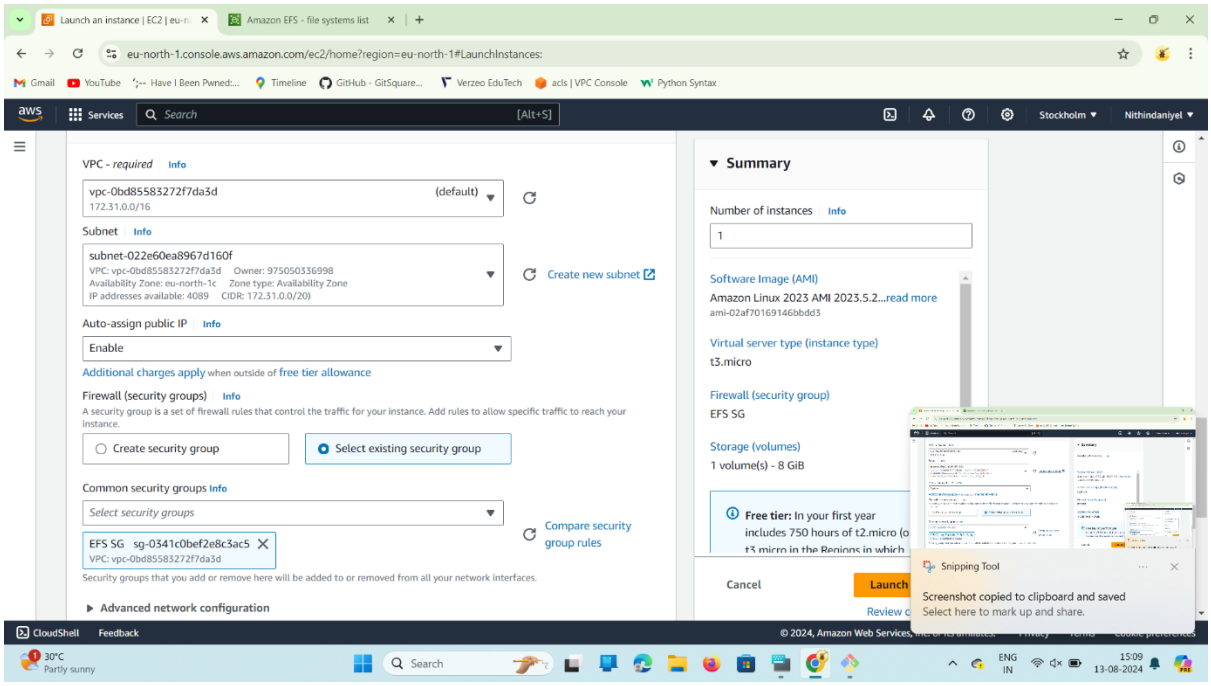




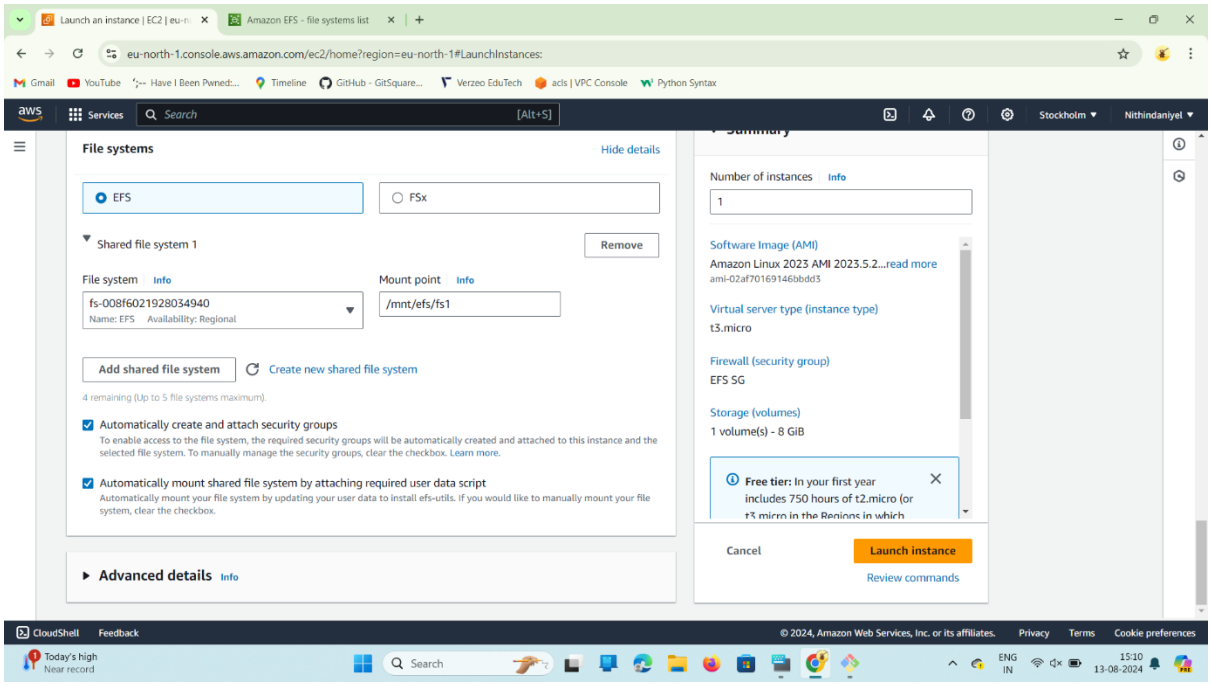
- Create the instances with three different zones.



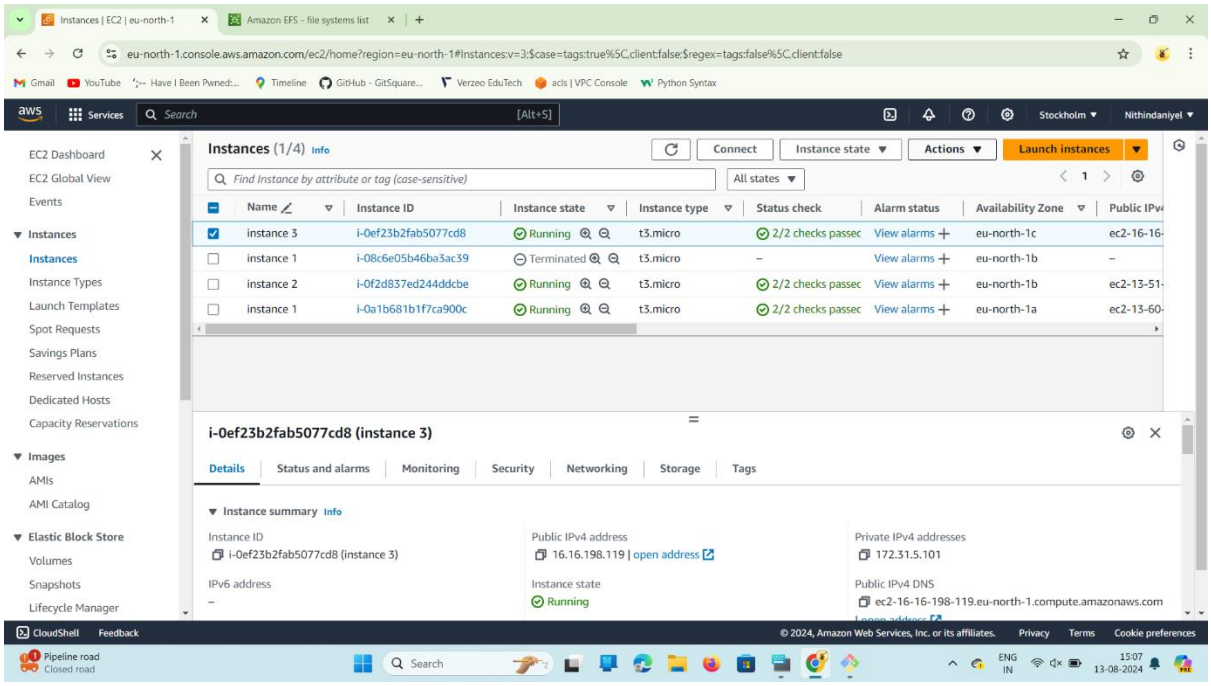
- Select the existing security group.
- EFS SG

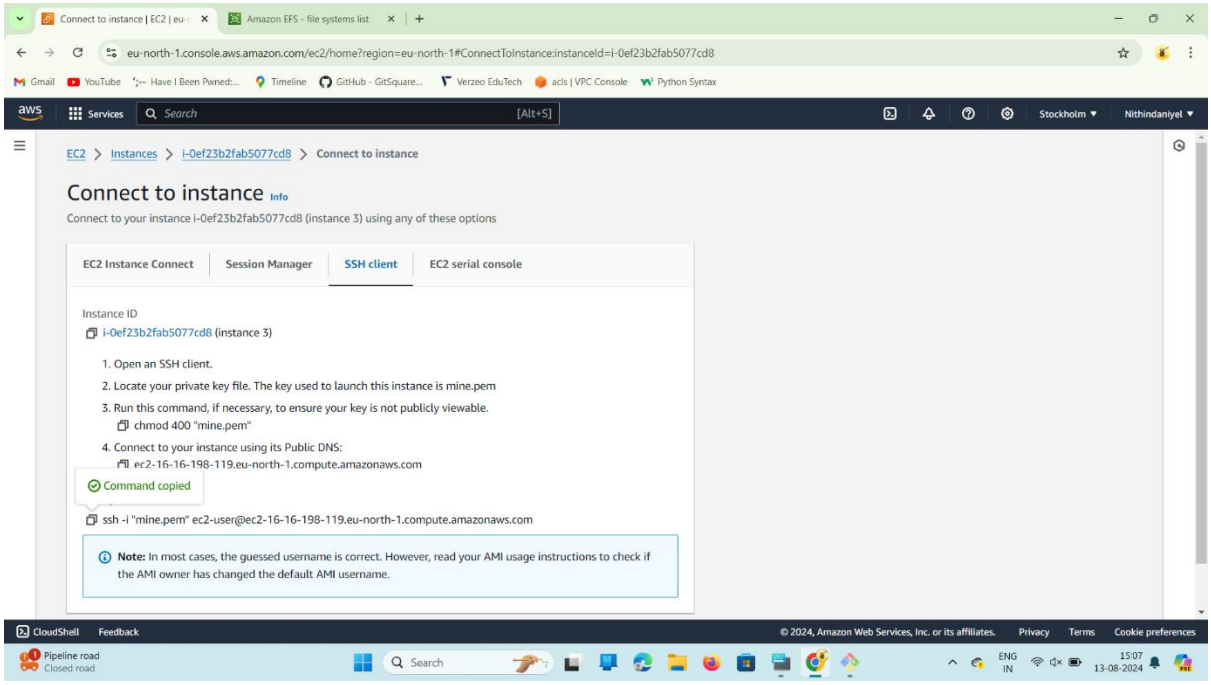


- Add shared file system for each instances.
- The mount point will be displayed here.

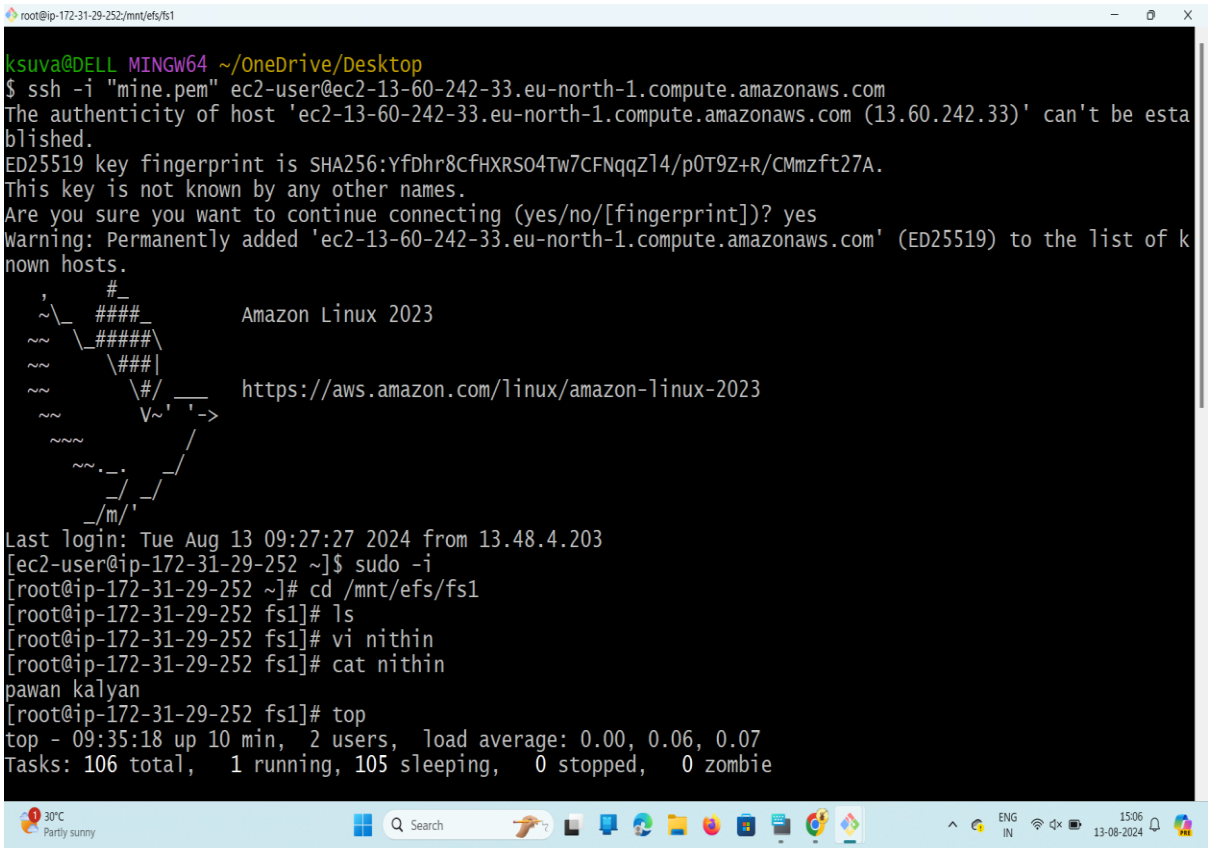


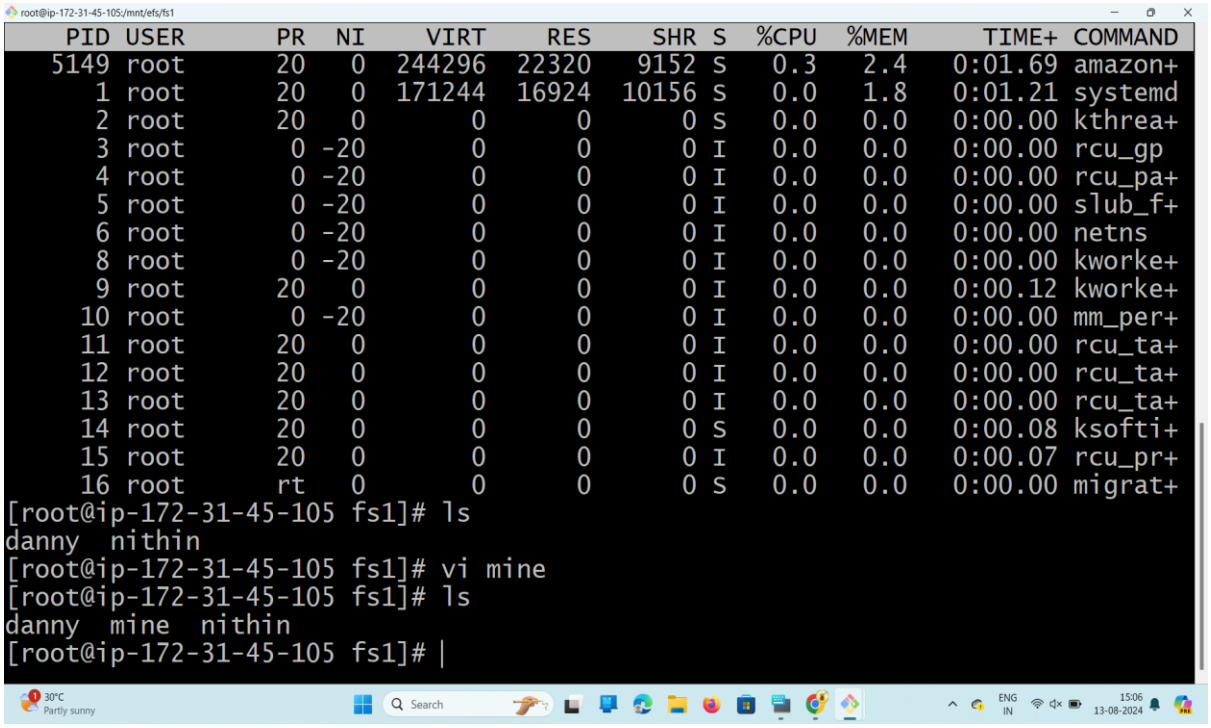
- And then launch the three instances.
- Connect the three instances with ssh client one by one.
- Open the git bash and paste the ssh link.

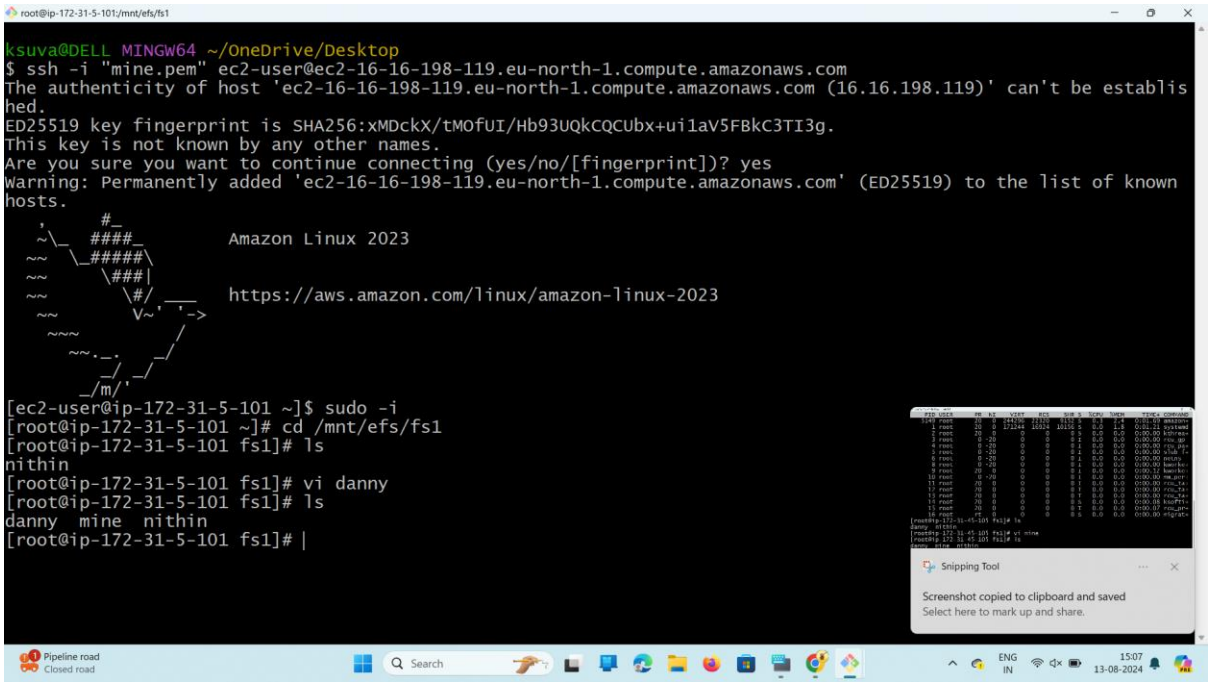




- Connect to the amazon LINUX.
- Run the commands .
- Sudo -i ,run the mount point.
- Create a file in the instance 1 and check the file in instance 2 & instance 3.


root@ip-172-31-29-252:/mnt/efs/fs1
ksuva@DELL MINGW64 ~/OneDrive/Desktop
$ ssh -i "mine.pem" ec2-user@ec2-13-60-242-33.eu-north-1.compute.amazonaws.com
The authenticity of host 'ec2-13-60-242-33.eu-north-1.compute.amazonaws.com (13.60.242.33)' can't be esta
blished.
ED25519 key fingerprint is SHA256:YfDhr8CfHXRSO4Tw7CFNqqZl4/pOT9Z+R/CMmzft27A.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-60-242-33.eu-north-1.compute.amazonaws.com' (ED25519) to the list of k
nown hosts.
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Tue Aug 13 09:27:27 2024 from 13.48.4.203
[ec2-user@ip-172-31-29-252 ~]$ sudo -i
[root@ip-172-31-29-252 ~]# cd /mnt/efs/fs1
[root@ip-172-31-29-252 fs1]# ls
[root@ip-172-31-29-252 fs1]# vi nithin
[root@ip-172-31-29-252 fs1]# cat nithin
pawan kalyan
[root@ip-172-31-29-252 fs1]# top
top - 09:35:18 up 10 min, 2 users, load average: 0.00, 0.06, 0.07
Tasks: 106 total, 1 running, 105 sleeping, 0 stopped, 0 zombie


root@ip-172-31-45-105:/mnt/efs/fs1
PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
5149 root 20 0 244296 22320 9152 S 0.3 2.4 0:01.69 amazon+
1 root 20 0 171244 16924 10156 S 0.0 1.8 0:01.21 systemd
2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthrea+
3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu_gp
4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu_pa+
5 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 slub_f+
6 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 netns
8 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworke+
9 root 20 0 0 0 0 I 0.0 0.0 0:00.12 kworke+
10 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 mm_per+
11 root 20 0 0 0 0 I 0.0 0.0 0:00.00 rcu_ta+
12 root 20 0 0 0 0 I 0.0 0.0 0:00.00 rcu_ta+
13 root 20 0 0 0 0 I 0.0 0.0 0:00.00 rcu_ta+
14 root 20 0 0 0 0 S 0.0 0.0 0:00.08 ksofti+
15 root 20 0 0 0 0 I 0.0 0.0 0:00.07 rcu_pr+
16 root rt 0 0 0 0 S 0.0 0.0 0:00.00 migrat+
[root@ip-172-31-45-105 fs1]# ls
danny nithin
[root@ip-172-31-45-105 fs1]# vi mine
[root@ip-172-31-45-105 fs1]# ls
danny mine nithin
[root@ip-172-31-45-105 fs1]#



- If the file shows in remaining 2 instances ,then the EFS will works.