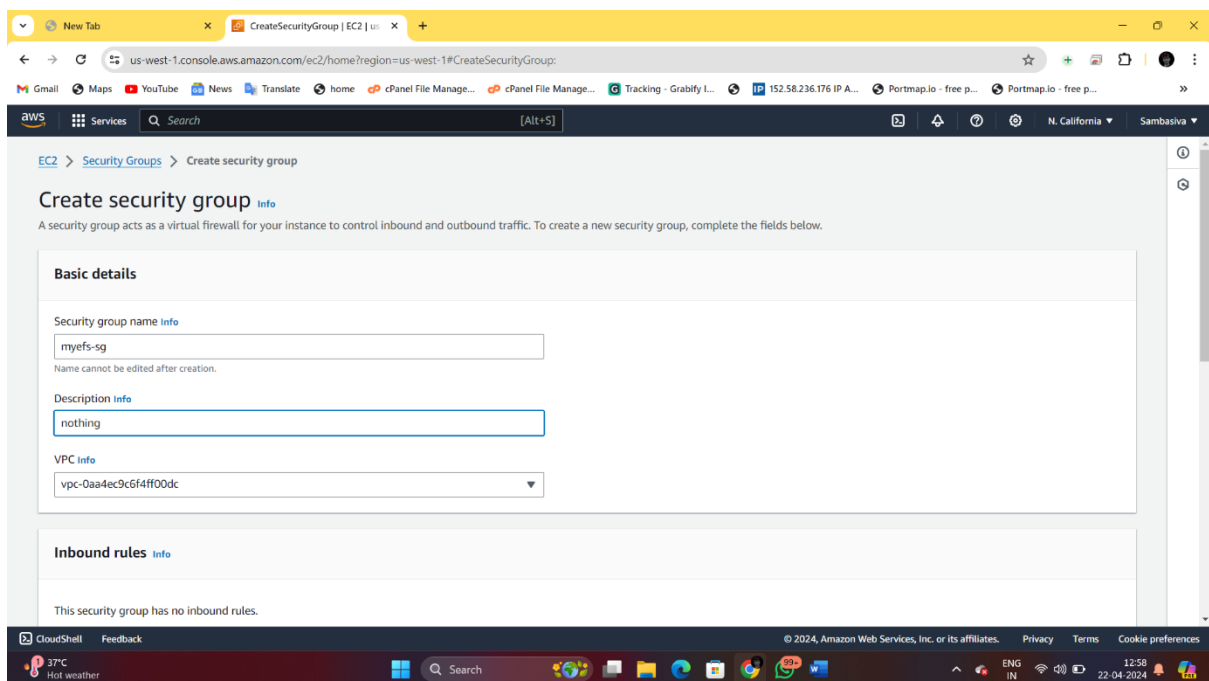


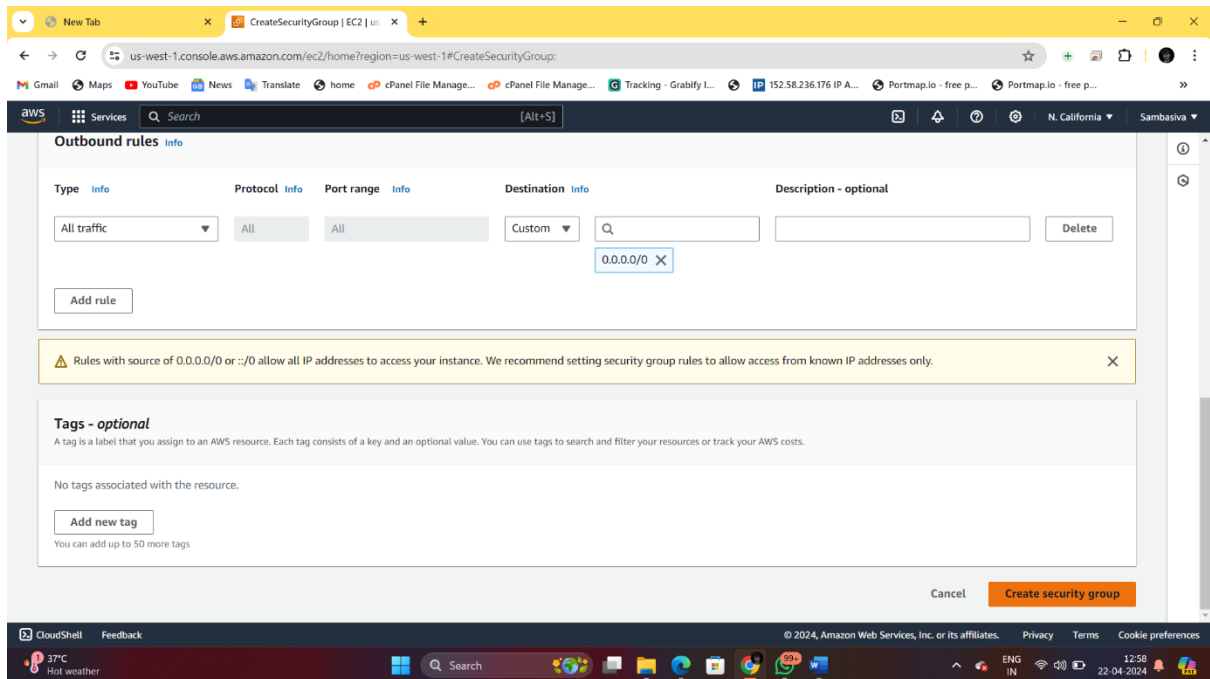
CREATE AN EFS AND ATTACH IT TO MULTIPLE EC2 INSTANCES

**By-
Sambasiva**

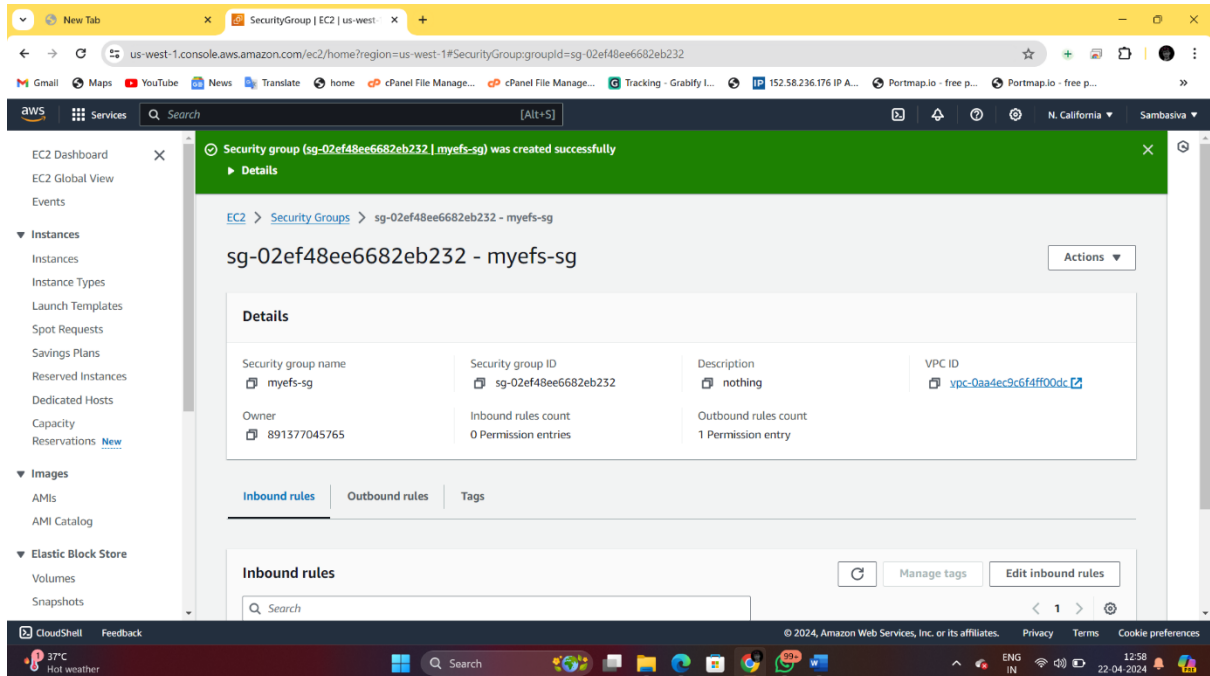
Elastic File System (EFS) :

- Amazon EFS is built to scale on demand to petabytes without disrupting applications, growing and shrinking automatically as you add and remove files. Because Amazon EFS has a simple web services interface, you can create and configure file systems quickly and easily.
- The service manages all the file storage infrastructure for you, meaning that you can avoid the complexity of deploying, patching, and maintaining complex file system configurations.
- Select an security group and security group name and description and vpc to select



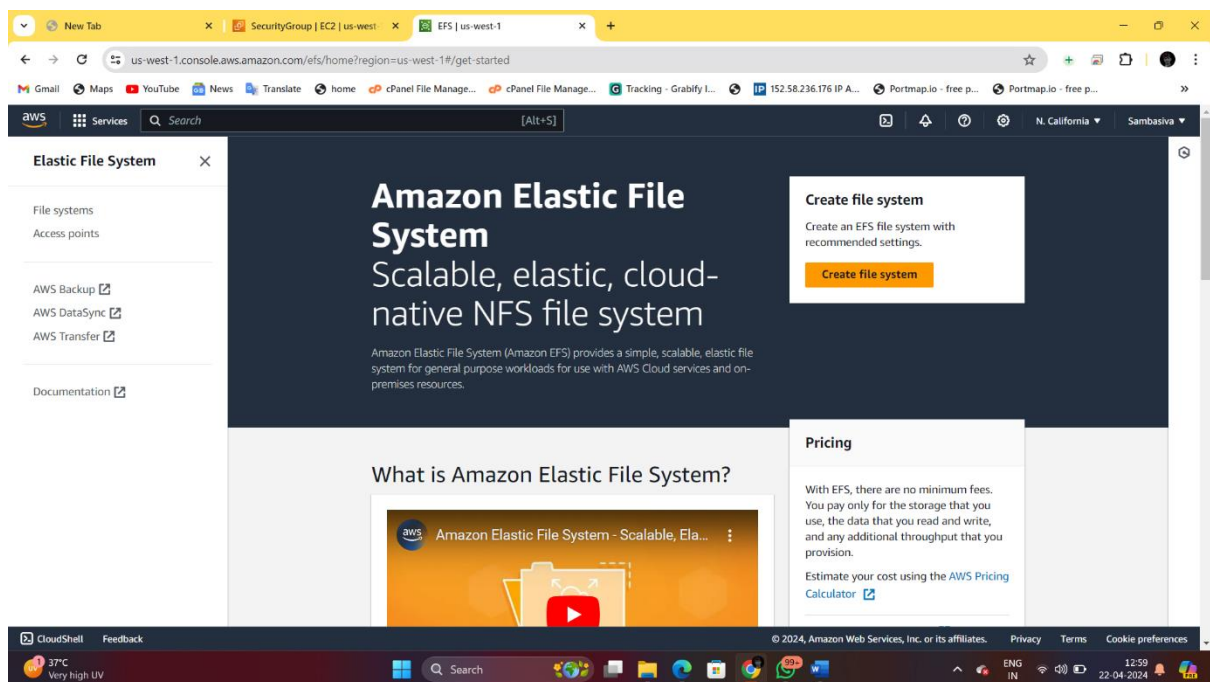


- Select on create security group and launch successfully



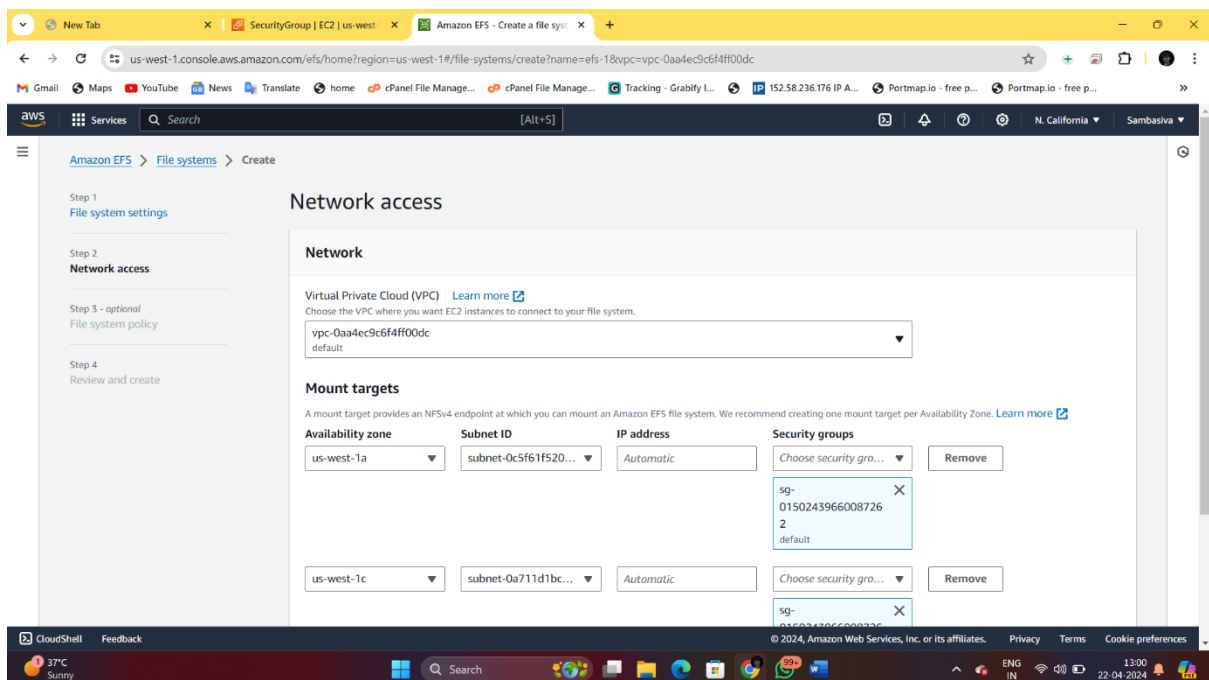
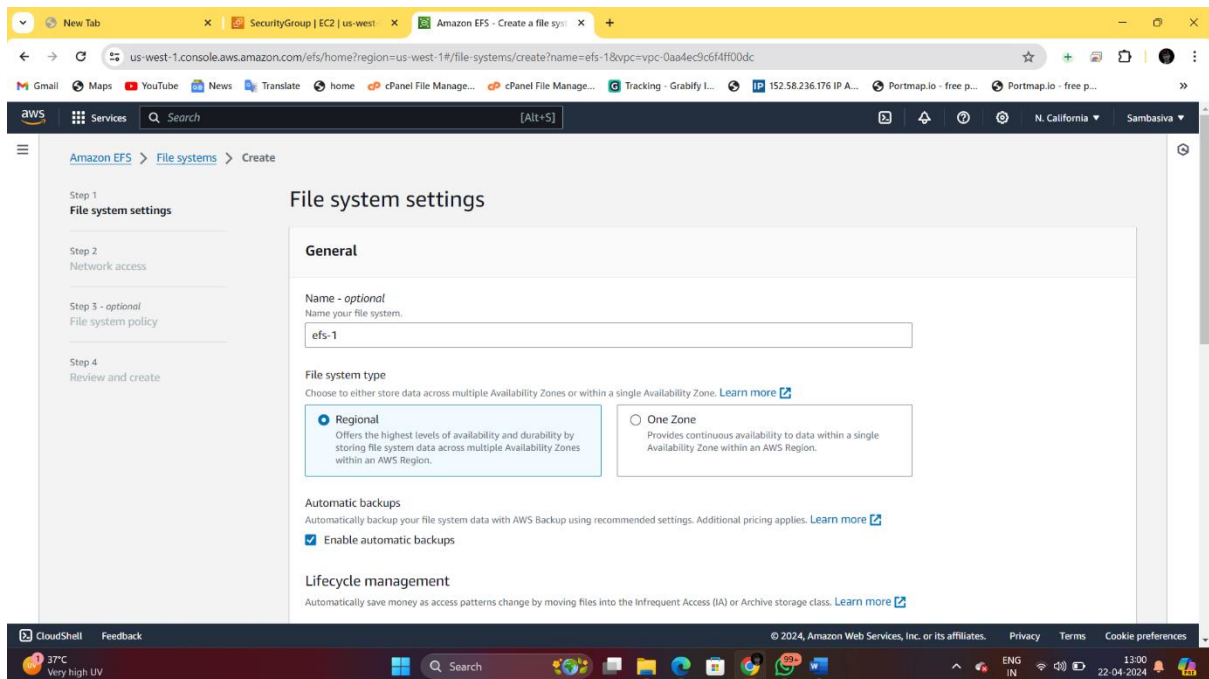
Creating an EFS :

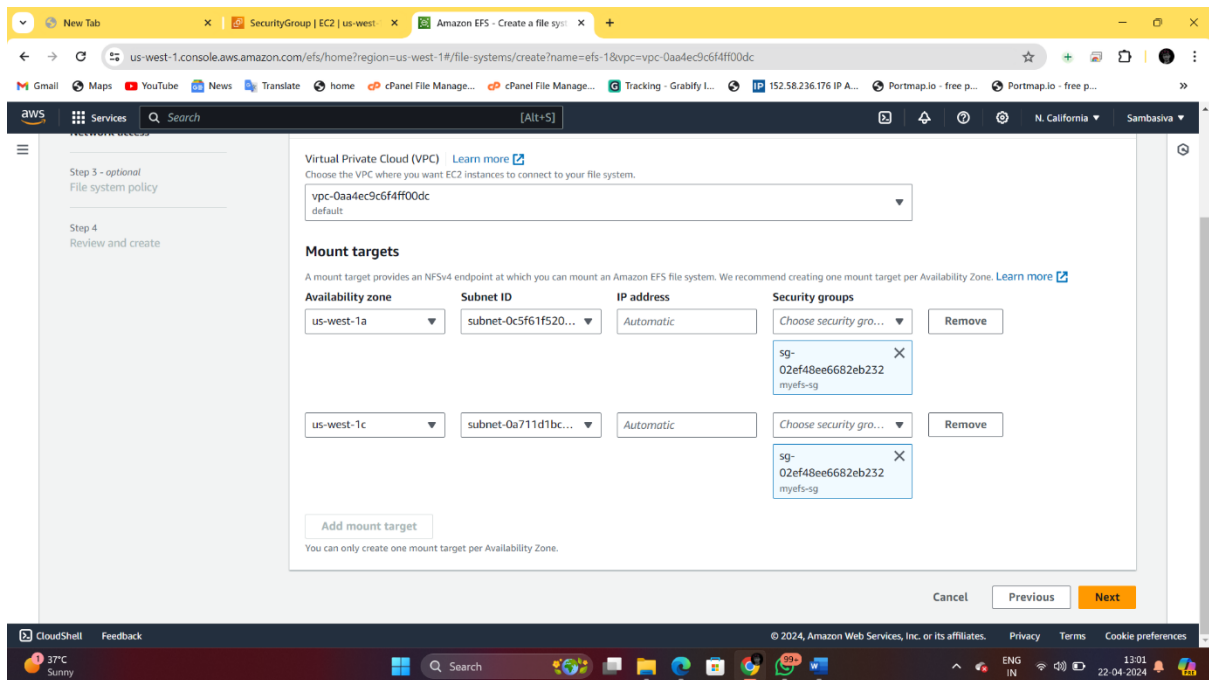
- To create an EFS first we should create a Security group with our protocols.
- After creating the security group go to EFS and select on customise when creating the EFS.



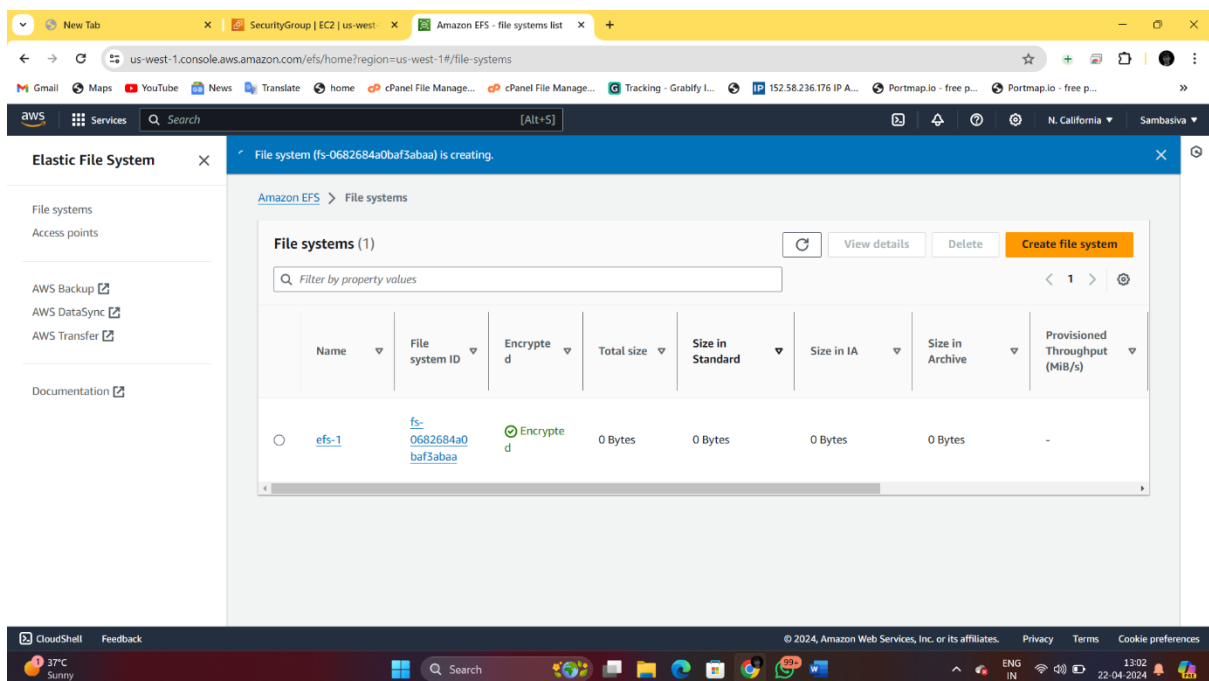
- Select regional option to connect to instances in other regions also.
- You can configure the life cycle management to reduce the cost of EFS.
- Now upon clicking next you will go to step 2 – Network access where you can select in which VPC you would create the EFS and in which region will it be available

- Select the security group for these zones which we created before.

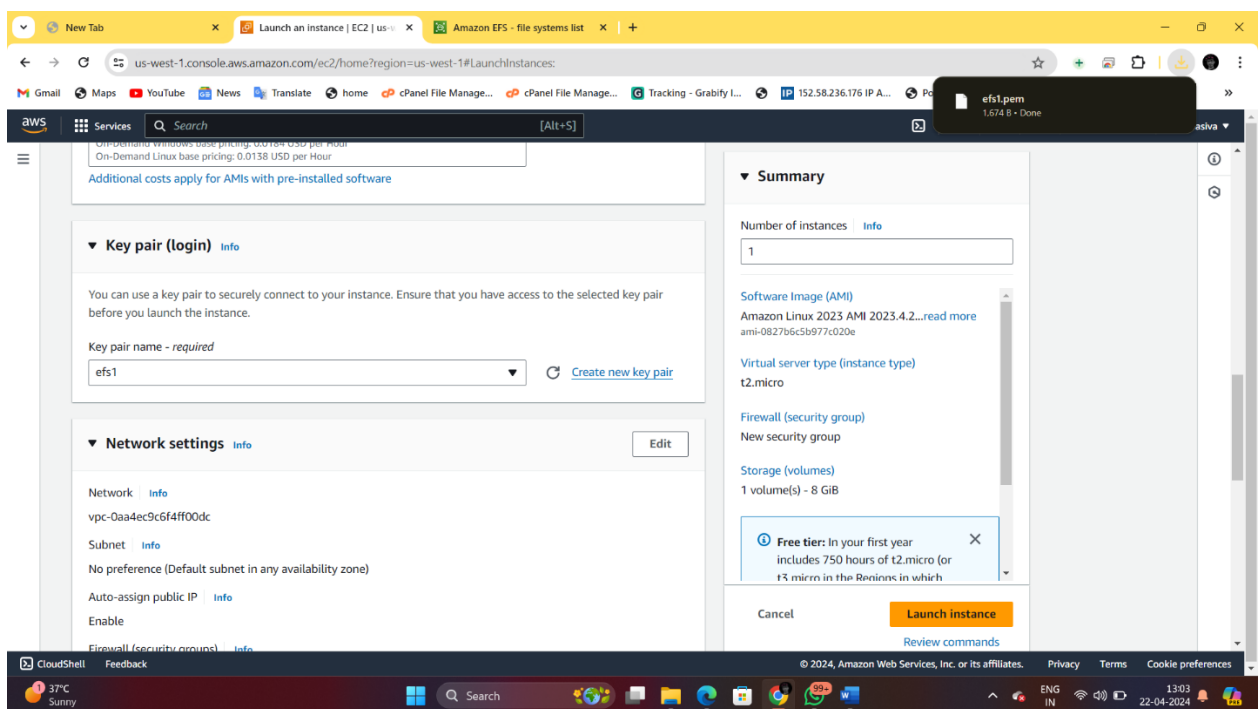
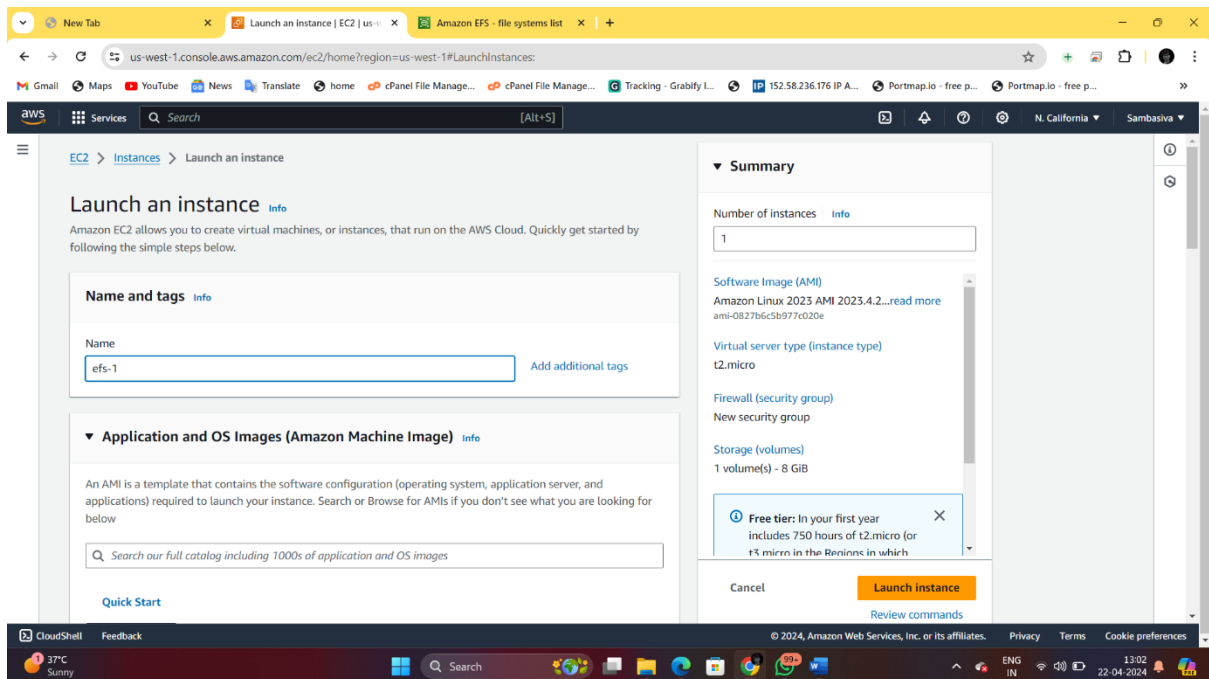


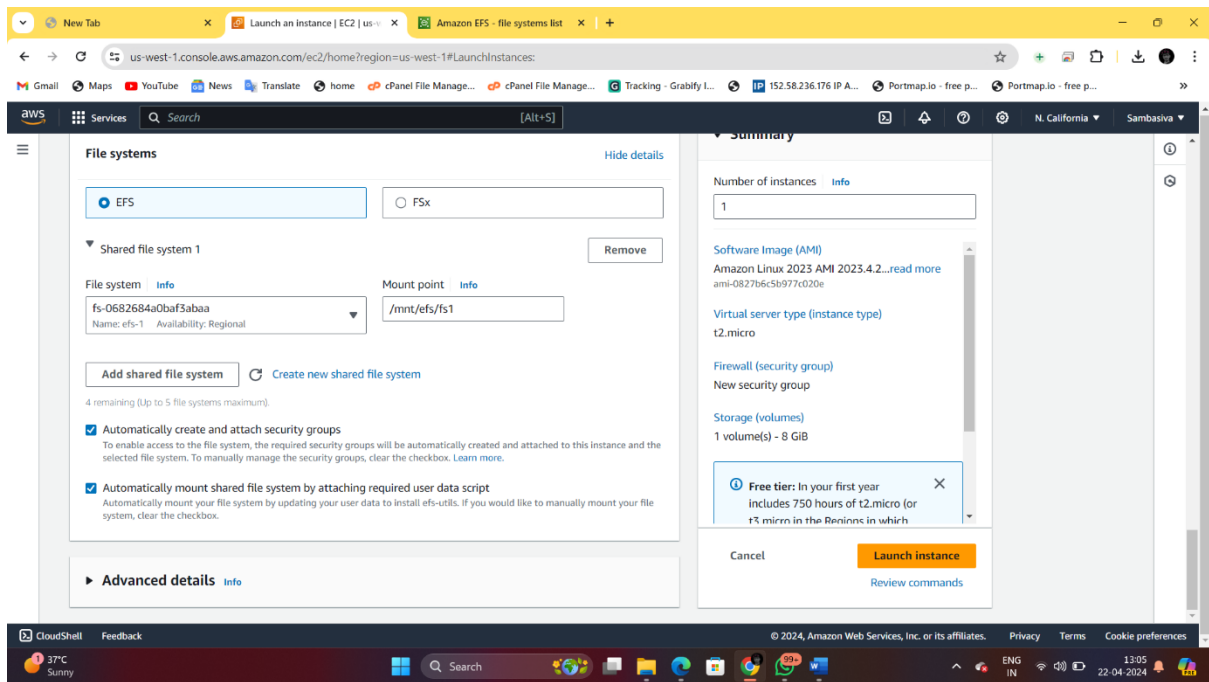


- Click on next and go to review and create the EFS.
- After creating the EFS go to EC2 instances and launch an instance in a zone where we have given EFS.

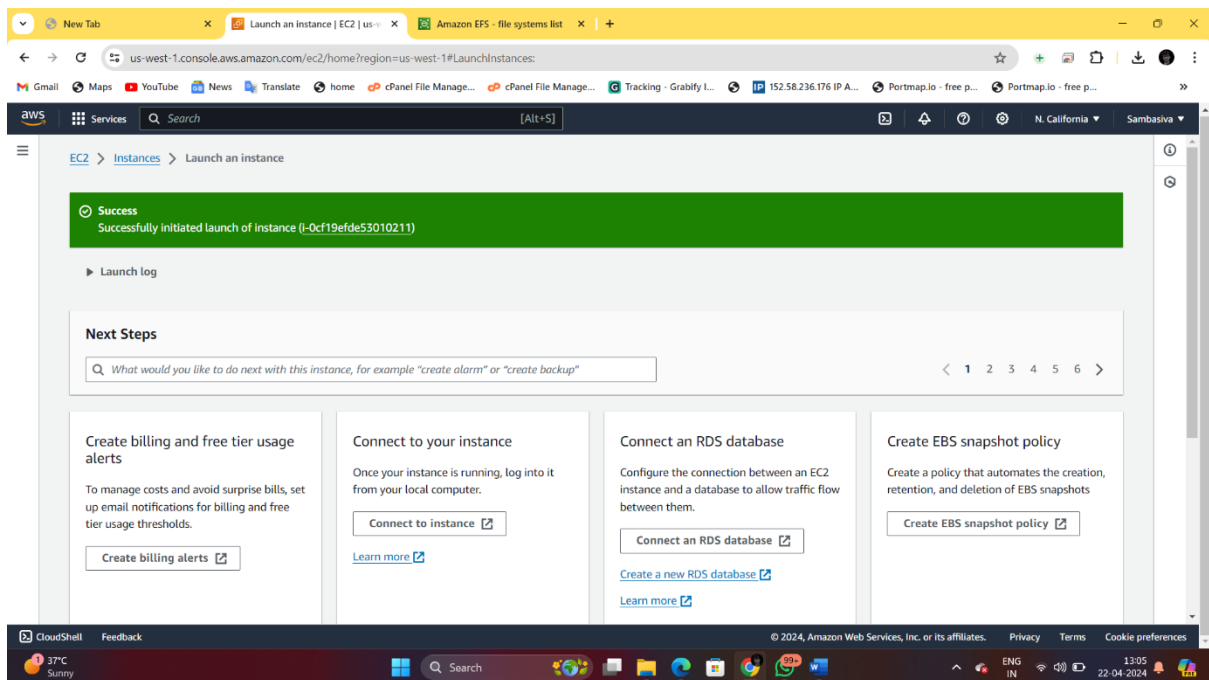


- While launching the EC2 instance give the security group which we created first and click on configure storage.
- Now click on file systems and click on add shared file system and select our file system. Now launch the instance.

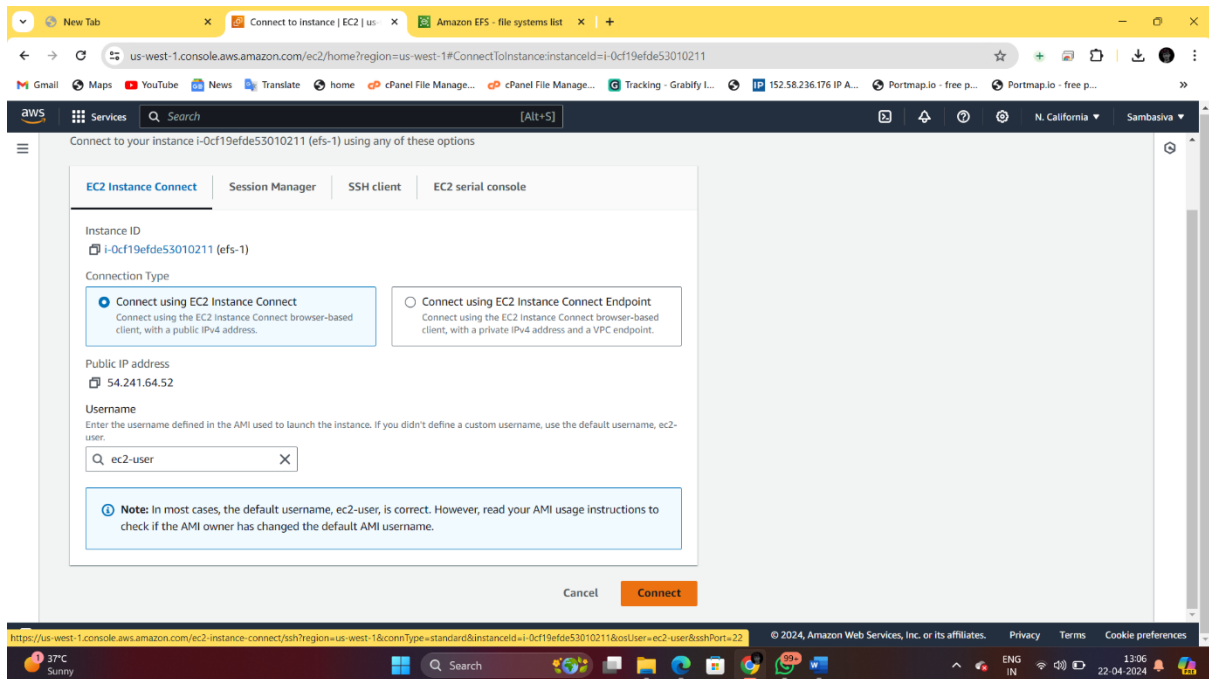




- Select launch instance and successfully launched.

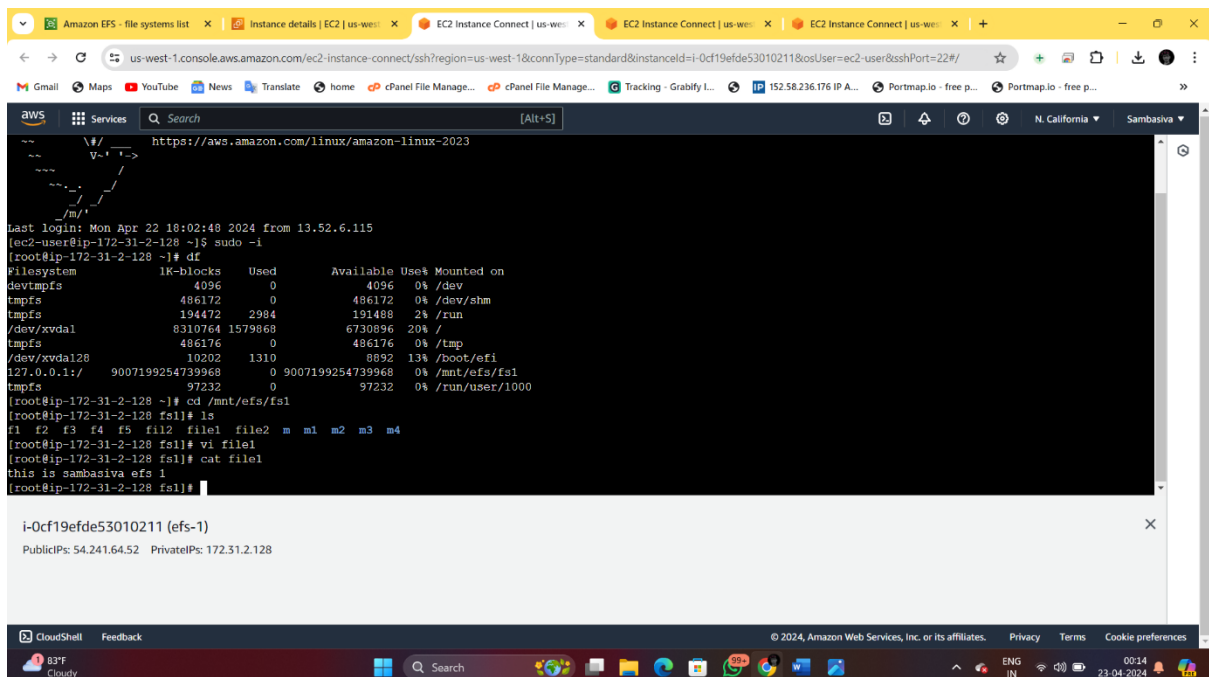


- click on instance id and click on connect and go to the EC2 instance connect and select connect option

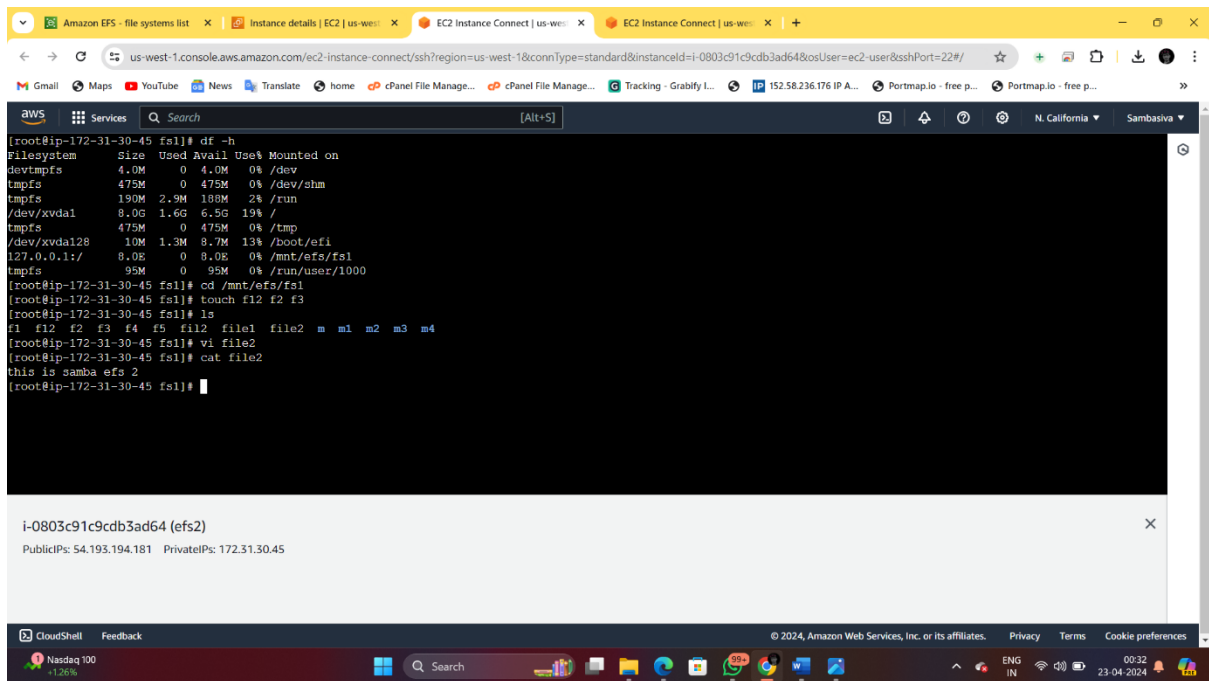


Now connect to both instances and give the disk command `df -h`

You will see an filesystem named `127.0.0.0/...` mounted on `/mnt.efs/fs1` which we gave earlier in instance configuration.



- Now cd to the mount path of EFS and create files and directories in that directory.
- Now connect to another instance and cd to the same path and list the files and directories.
- You can access the files and even the data in files in the other instance from here.



- Your EFS is successfully created and attached to two different instances in two different zones.