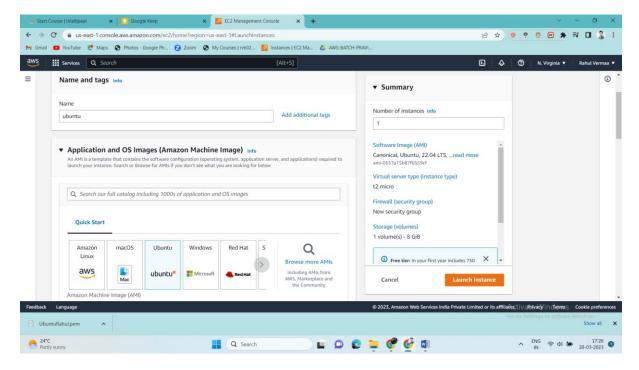
So in this Hands-on will create an EFS and connect it to 3 different EC2 instances and all instances have different operating system such as Ubuntu, red hat linux and amazon linux 2.

Prerequisite:

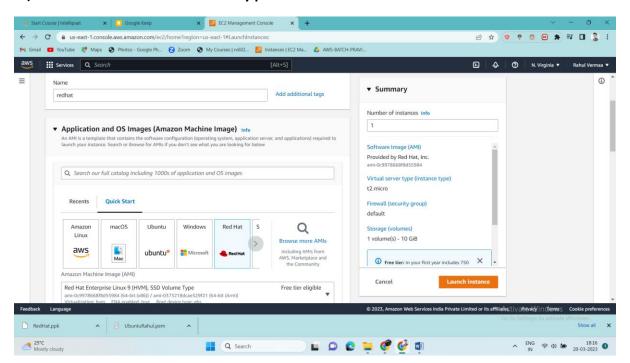
- 1. Create Ubuntu instance
- 2. Create radhat Instance
- 3. Create Amazon instance
- 4. Create EBS volume of any size

Prerequisite:

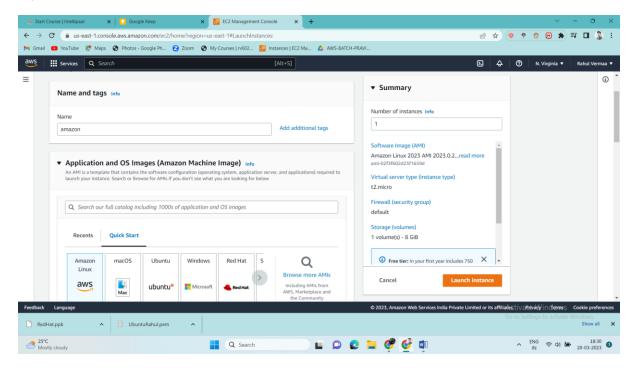
1) First instance OS type Ubuntu



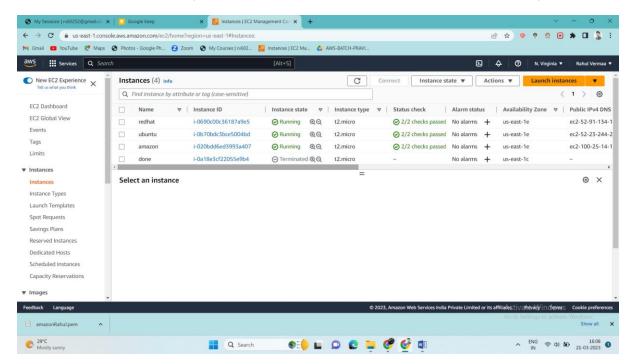
2) Second instance OS type Red hat



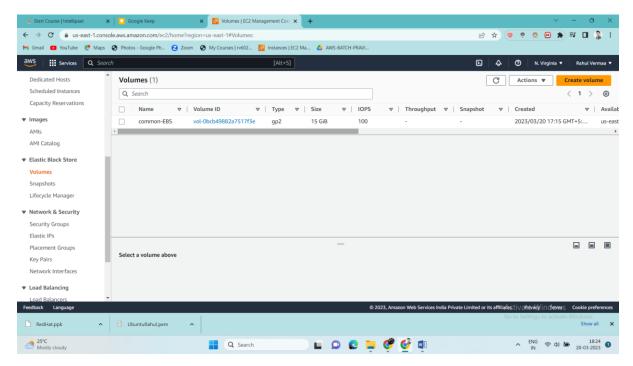
3) Third and last instance with Amazon Linux OS



You can see in the below pic we have created 3 instances with different OS (Ubuntu, red hat and Amazon linux)

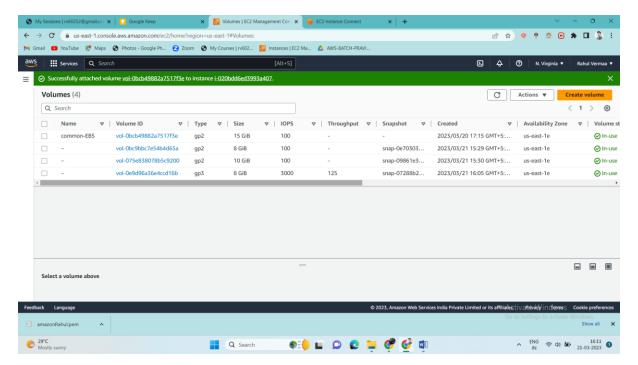


4) We have successfully created one EBS volume which is 15 GB in the below pic



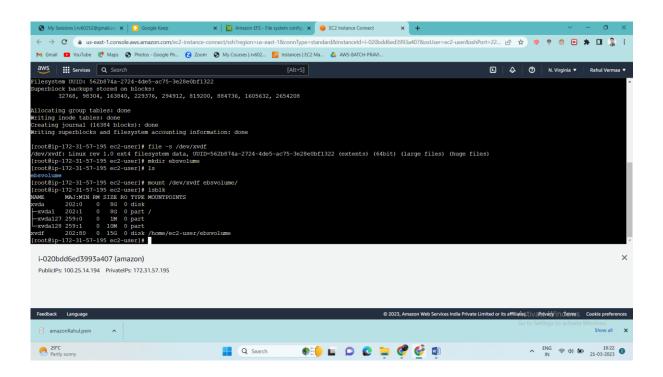
Now attach your EBS volume with any one of your instances here I'm attaching it with Amazon linux.

We have attached our EBS with amazon linux

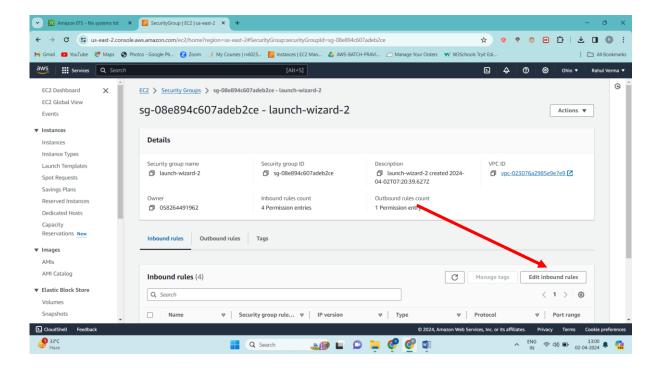


Command to mount EBS volume-

```
sudo su
                          (To become root or super user)
Isblk
                            (To list list of block)
{file -s /dev/"Ebs drive name"
                                   (ESB volume name)}
file -s /dev/xvdbz (In my case my EBS drive name is xvdbz)
{mkfs -t ext4 /dev/"Ebs drive name"}
mkfs -t ext4 /dev/xvdbz (To make file system)
mkdir ebs
                          (To create a directory name as Ebs)
ls
                        (To list out)
{mount /dev/"ebs drive name" ebs/}
mount /dev/xvdbz ebs/ (xvdbz mount to ebs directory)
          (now write this to verify where it is mounted)
Isblk
```



Now go to security group of all the instances one by one and Allow NFS. let's do it for Amazon linux first. So after going to security group click on edit inbound rules.



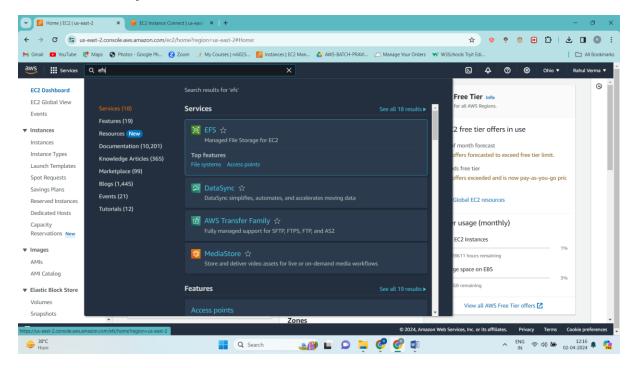
Now click on add rule button

Add rule

Allow NFS traffic it to anywhere and save it



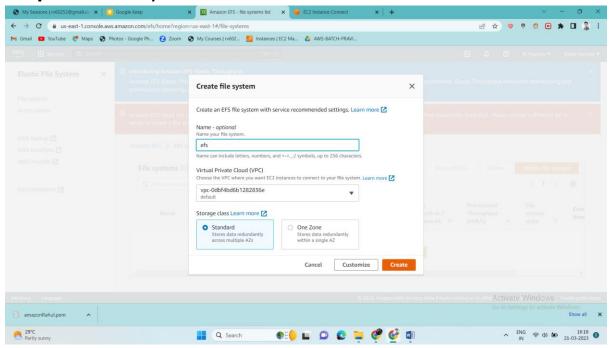
Step 1: Create an EFS from amazon console



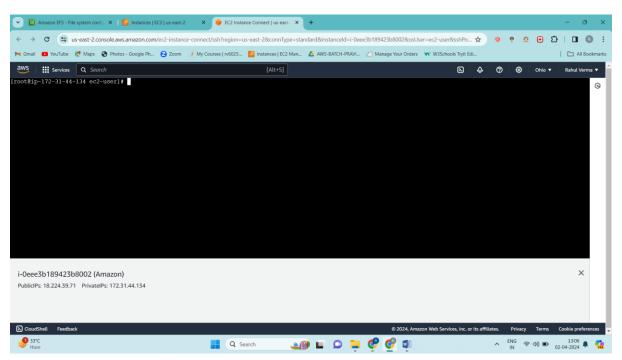
Now click on create file system



Step 2: Define your efs name



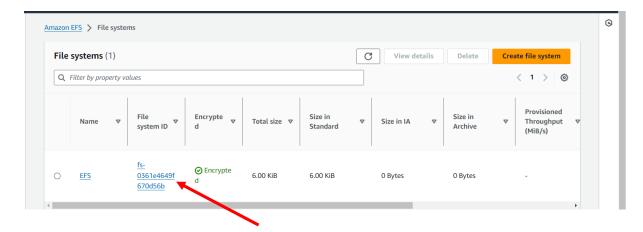
Once your EFS is created now go back to your Amazon linux



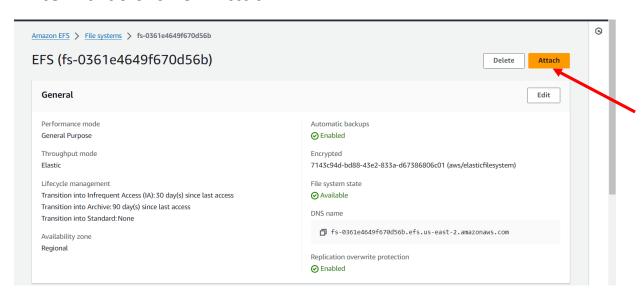
Write following Commands-

sudo su

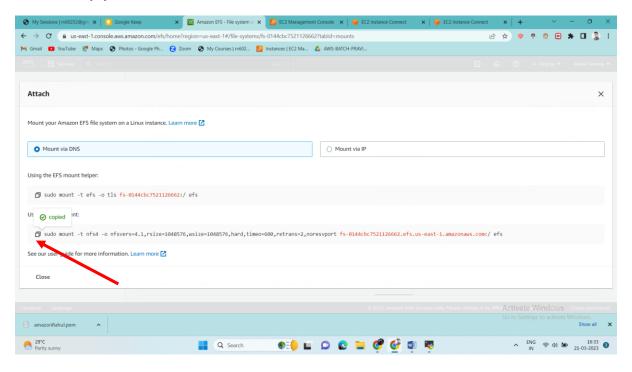
Step 3: Now go to EFS click on your EFS which you have created



Afterwards click on Attach



Now copy NFS client command-



Step 4: Paste that nfs client command in your amazon instance after this mounting will be done.

Now connect to your Ubuntu instance

Write following commands to setup-

sudo su –

apt-get update

apt-get install nfs-common -y

mkdir efs

copy paste efs client commad

Similarly will connect to our rad hat linux instance

sudo su

yum update –y

yum install nfs-utils -y

mkdir efs

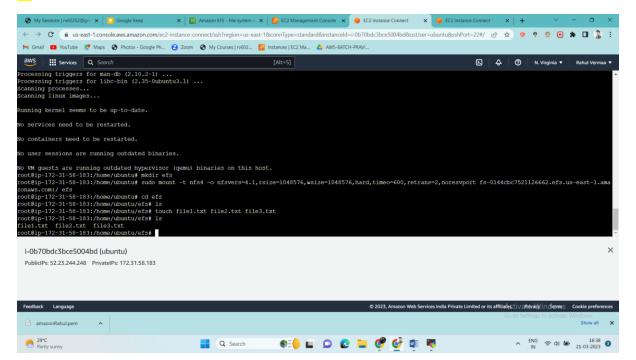
copy paste efs client command

Step 5:Now let test it we are connected to our ubutnu instance.

cd efs (to go into efs directory)

touch file1.txt file2.txt file3.txt (this will create 3 files)

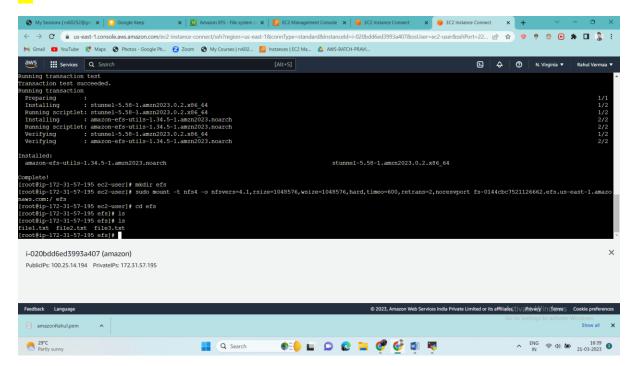
<mark>ls</mark> (to list out these files)



Now above created files should reflect in other 2 instances also. Amazon instance-

<mark>cd efs</mark>

ls



Redhat instance

cd efs

ls

```
| Complete | Section | View | Xerone | Tools | Games | Sections | Water | Section | View | V
```

Note: To avoid charges from AWS, terminate all the instances After your hands-on is done.

Thank You