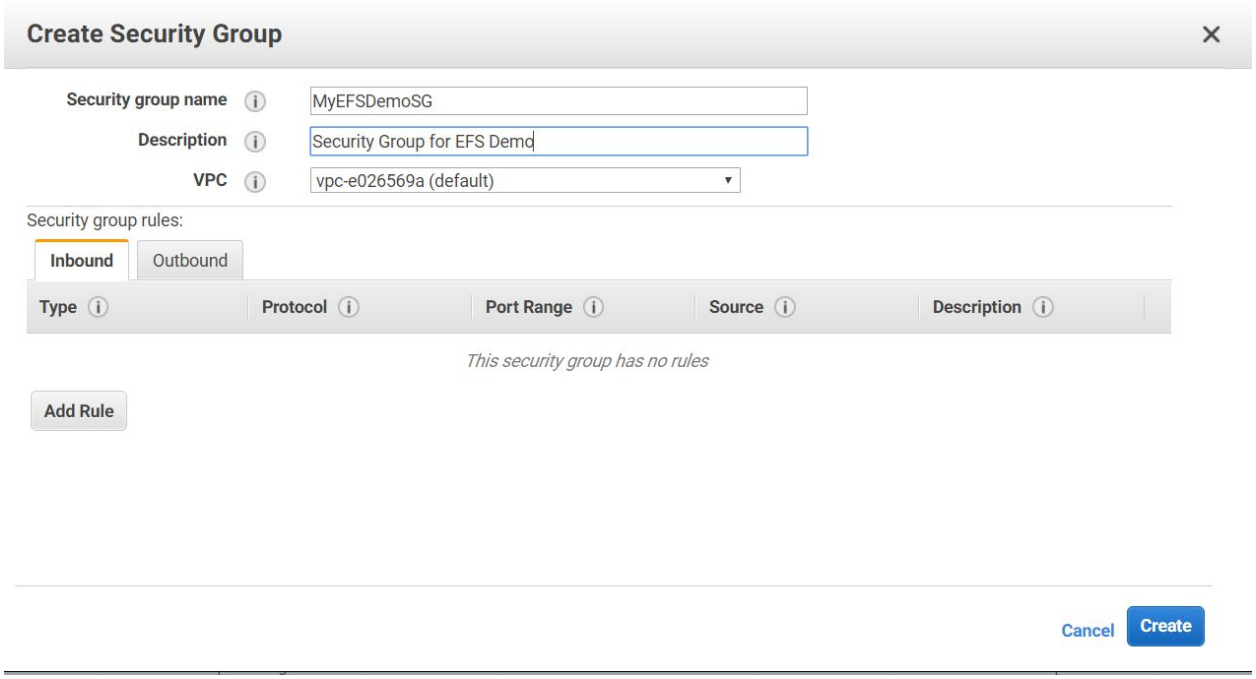
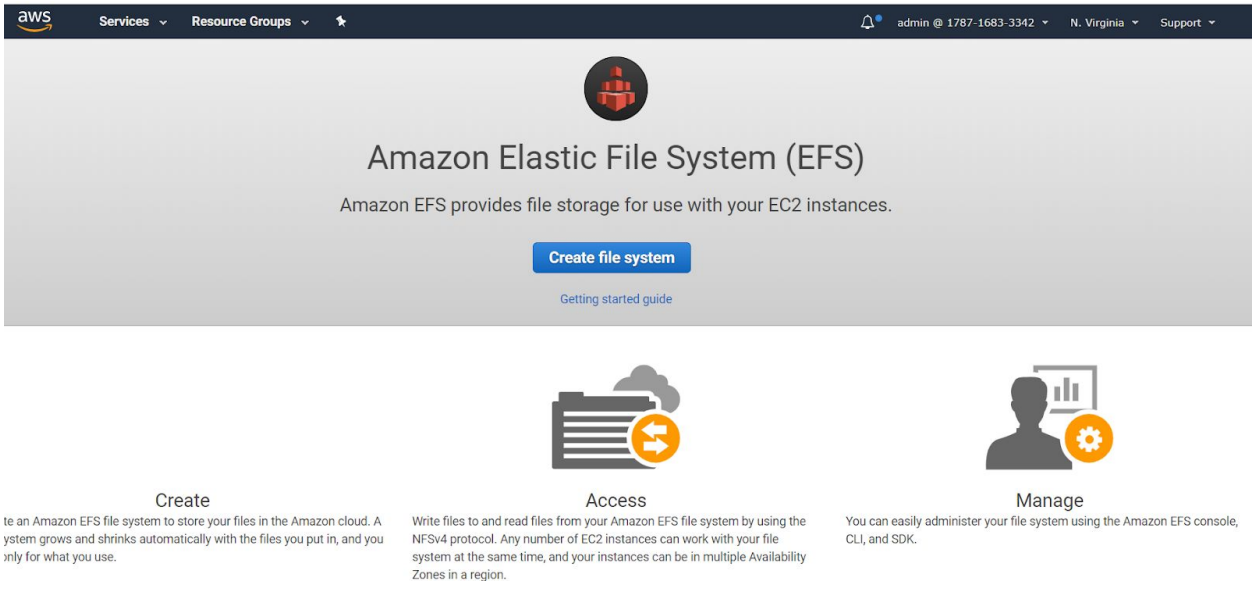
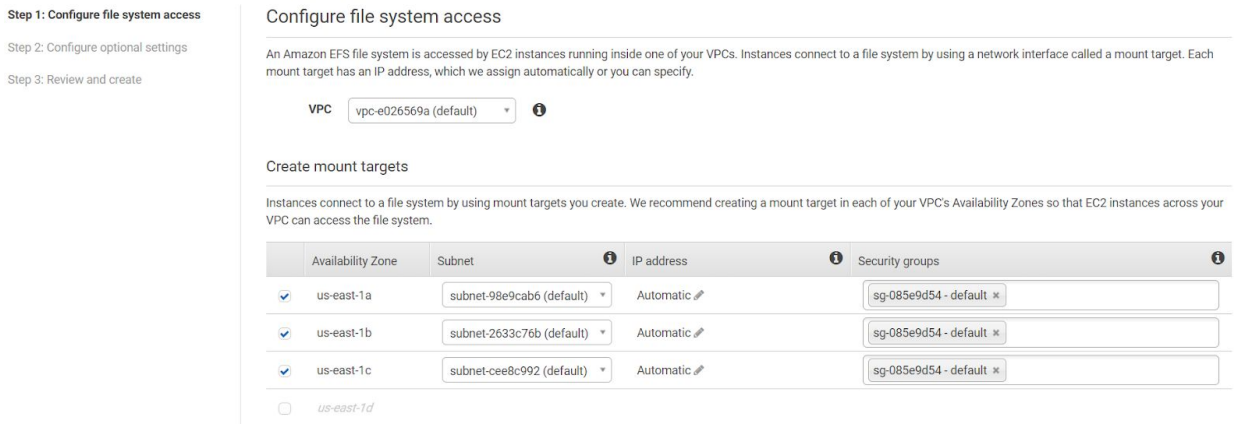
Exercise: Hands on for EFS

1) Create a security Group

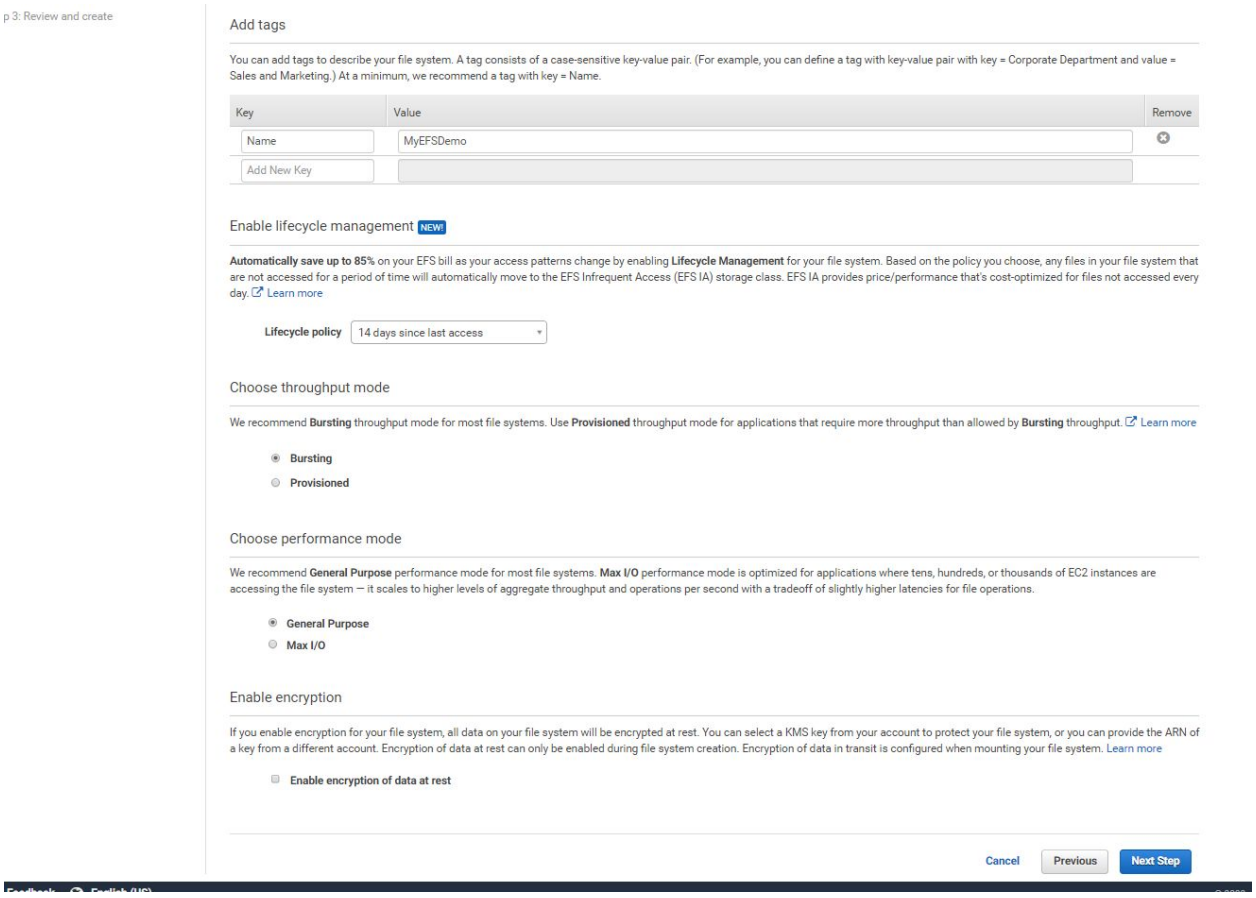


2)Create EFS



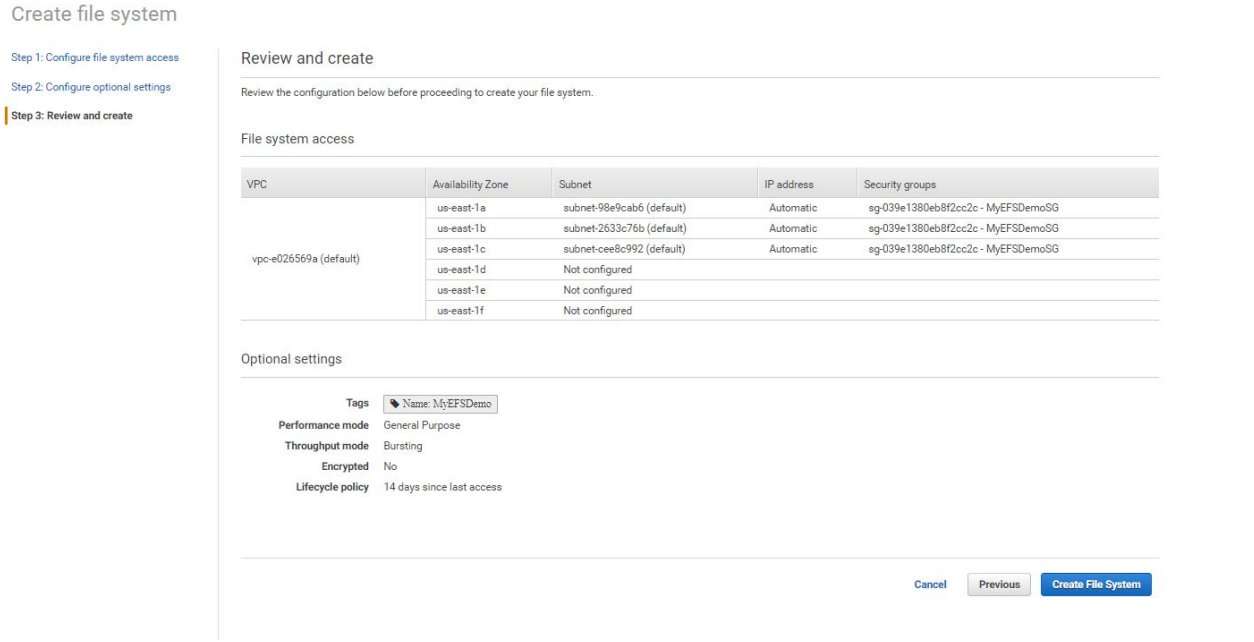


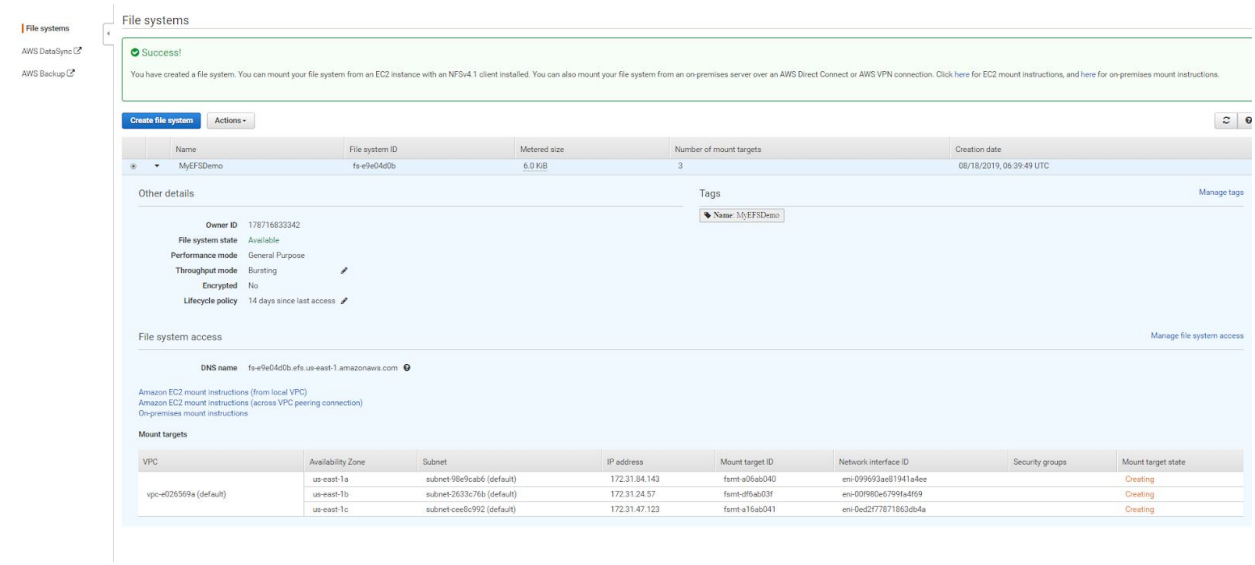
Remove the Default Security group and give the security group created for EFS



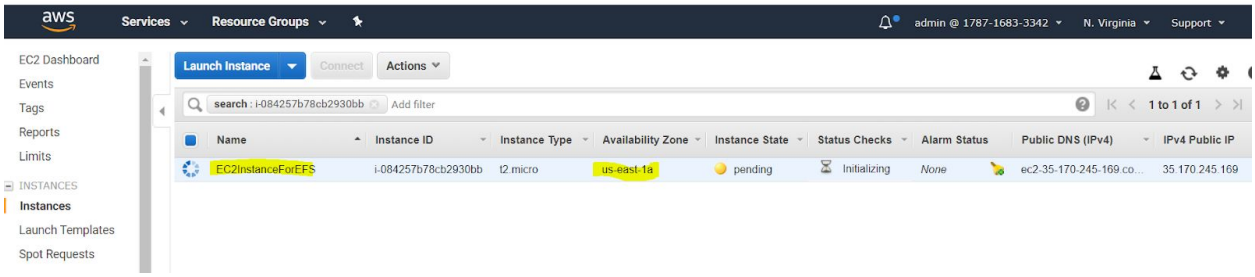
Performance Mode:
--General Purpose – This option is used when only few EC2 instance are connected with EFS
--Max i/0—This option is used when more EC2 instance are connected with EFS

Review and Create File System:



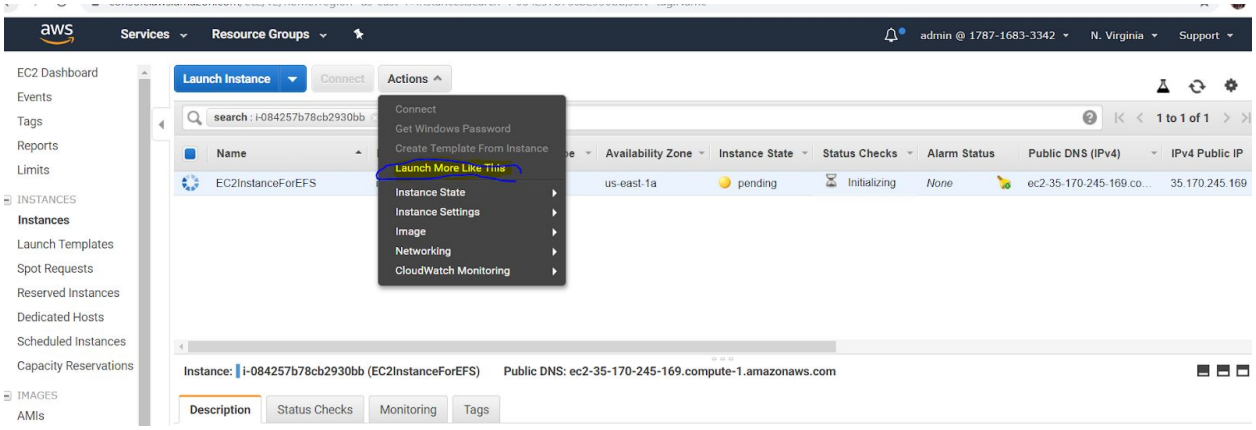


2) Create anEC2 instance in one of the availability zone which is provided in EFS

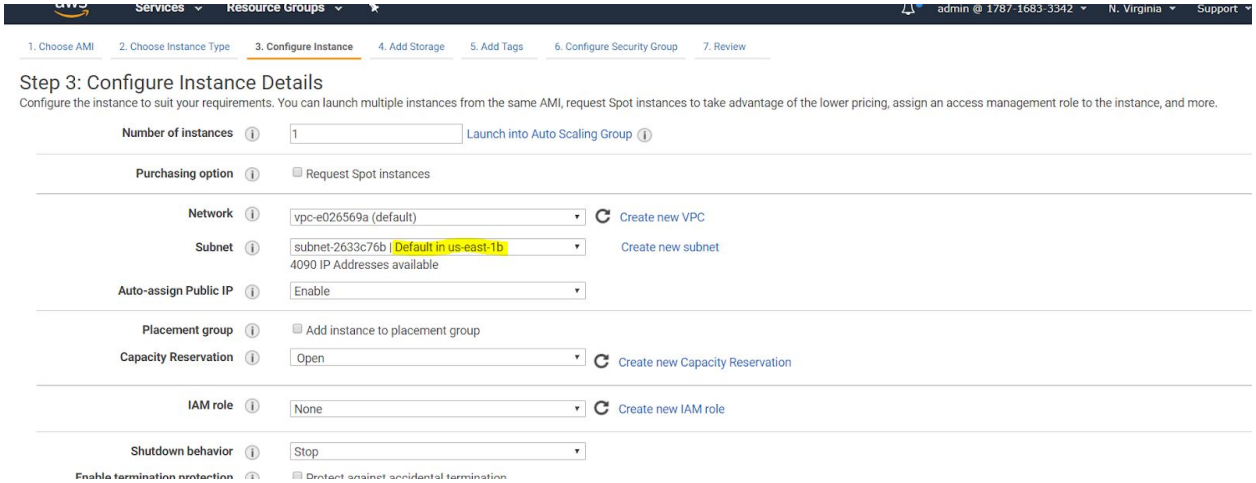


3) Create another Ec2 instance.

Use option “Launch more like this” option

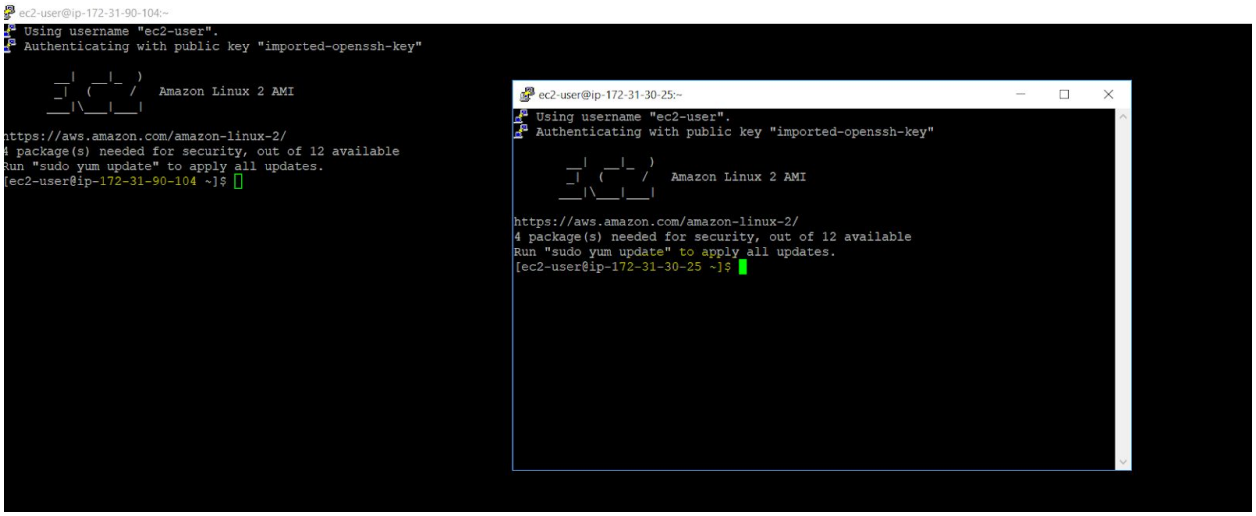


Change the availability zone to another zone which is listed in EFS



Now two instance created in two different zone which is provided in EFS

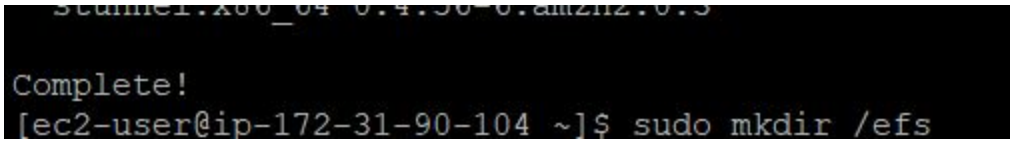
4) Connect two different session in putty for each of two instance to mount EFS



5) Install NFS in both instances and Mount EFS

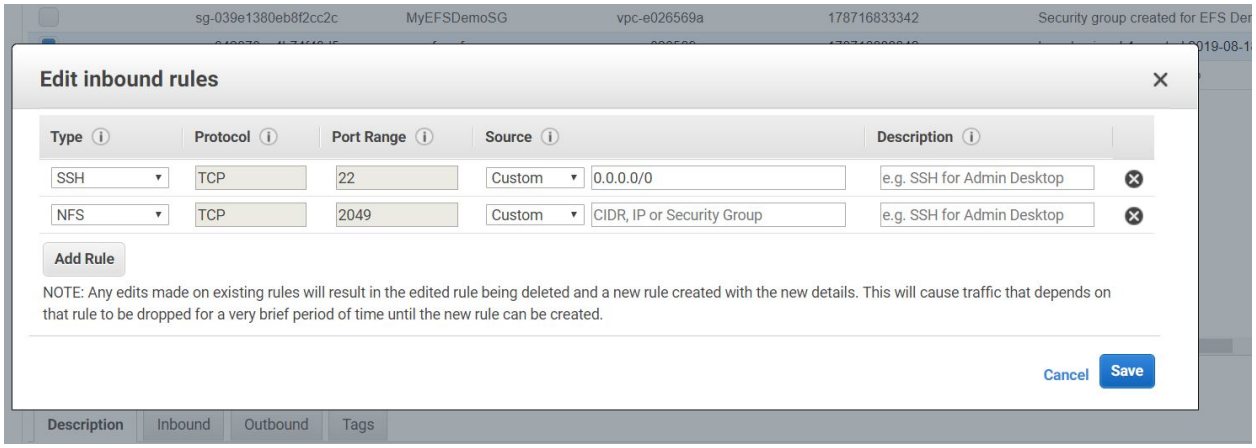
sudo yum install -y amazon-efs-utils

Create a new directory on your EC2 instance, such as "efs".
sudo mkdir efs

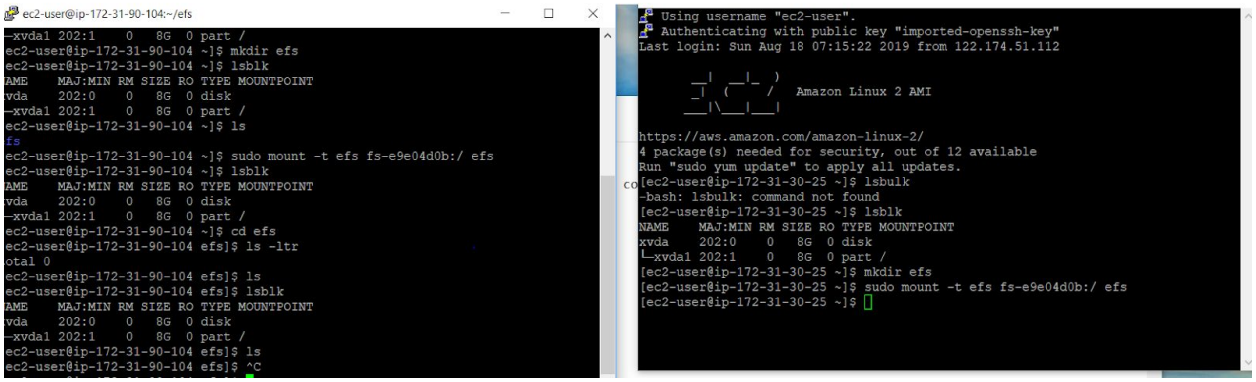


Mount your file system with a method listed following.
sudo mount -t efs fs-e9e04d0b:/ efs

This will not work as the security group for NFS was not created. Go to security group and add NFS

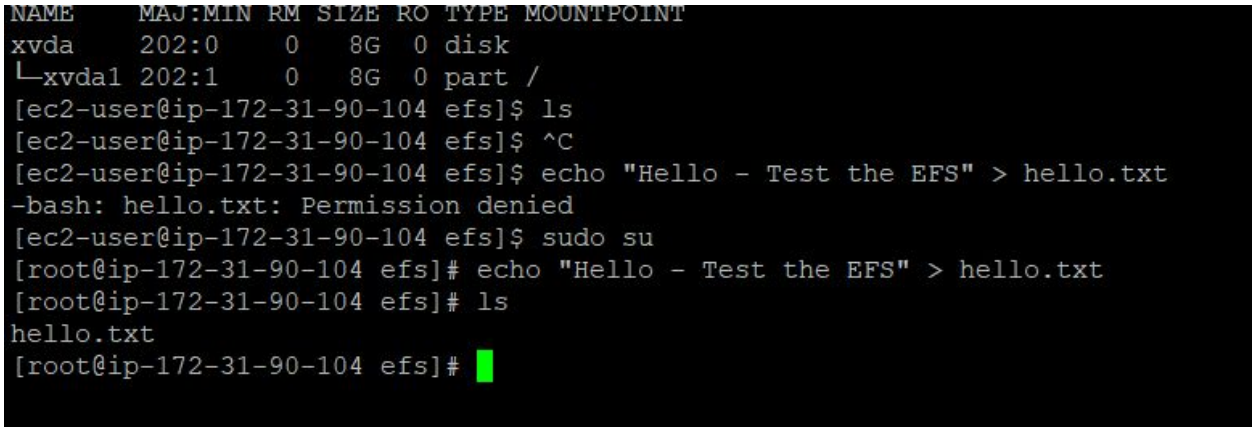


Mount the efs in both the instance

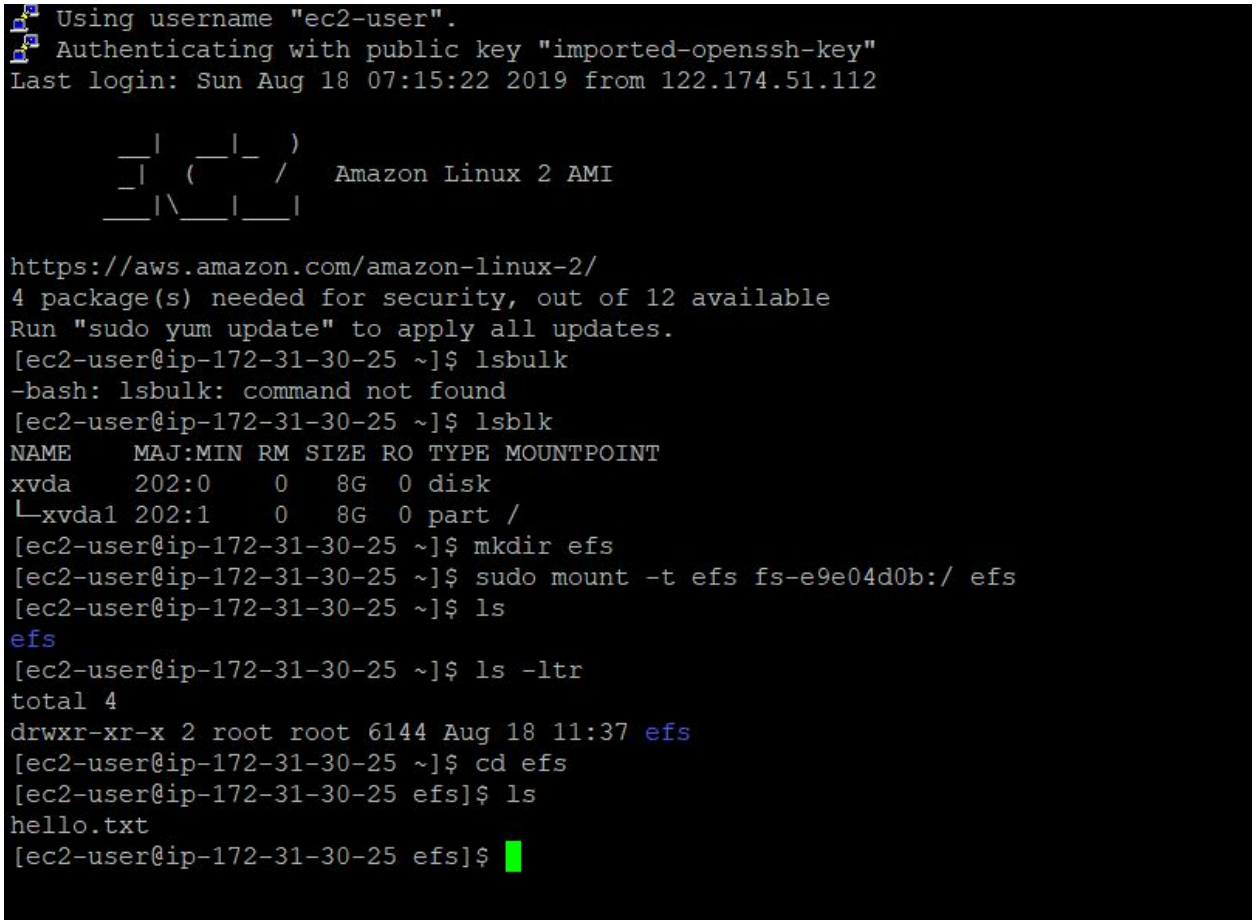


6) Test the file system

Create the file in one instance. The same file should be seen in another instance as well



This file is visible in another instance where EFS is mounted


Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
Last login: Sun Aug 18 07:15:22 2019 from 122.174.51.112
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 12 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-30-25 ~]$ lsbulk
-bash: lsbulk: command not found
[ec2-user@ip-172-31-30-25 ~]$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
xvda 202:0 0 8G 0 disk
└xvda1 202:1 0 8G 0 part /
[ec2-user@ip-172-31-30-25 ~]$ mkdir efs
[ec2-user@ip-172-31-30-25 ~]$ sudo mount -t efs fs-e9e04d0b:/ efs
[ec2-user@ip-172-31-30-25 ~]$ ls
efs
[ec2-user@ip-172-31-30-25 ~]$ ls -ltr
total 4
drwxr-xr-x 2 root root 6144 Aug 18 11:37 efs
[ec2-user@ip-172-31-30-25 ~]$ cd efs
[ec2-user@ip-172-31-30-25 efs]$ ls
hello.txt
[ec2-user@ip-172-31-30-25 efs]$

By Selvin