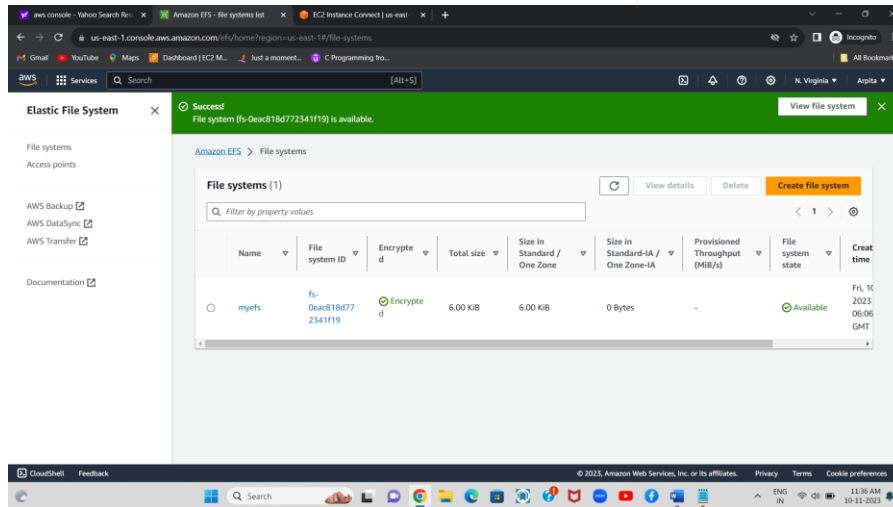
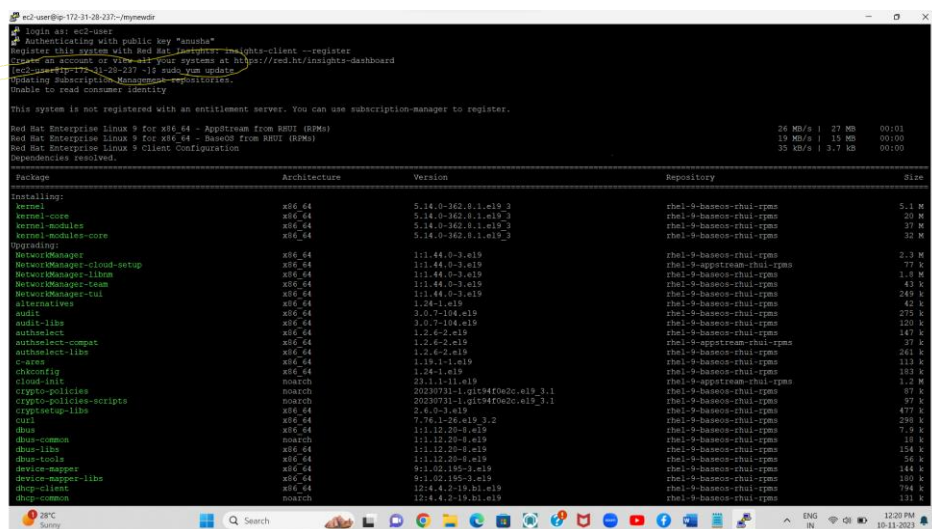
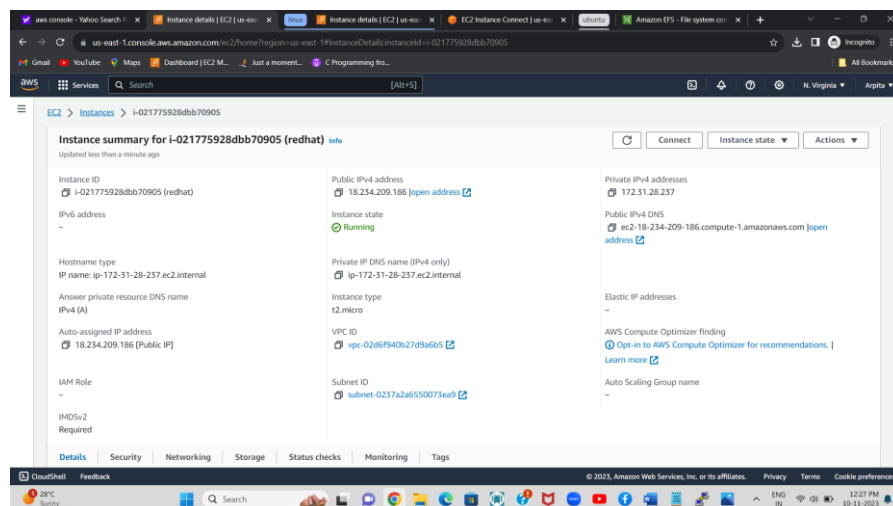


## Assignment-4

1. Create an EFS and connect it to 3 different EC2 instances.



2. Make sure that all instances have different operating systems. For instance, Ubuntu, Red Hat Linux and Amazon Linux 2.



```
ec2-user@ip-172-31-28-237:~$ mynewdir
Installing : keyutils-1.6.3-1.el9.x86_64
Installing : quota-1:4.06-6.el9.x86_64
Installing : libev-4.33-5.el9.x86_64
Installing : libwrtio-libev-0.3.2-3.el9.x86_64
Installing : gssproxy-0.8.4-6.el9.x86_64
Running scriptlet: gssproxy-0.8.4-6.el9.x86_64
Running scriptlet: nfs-utils-1:2.5.4-20.el9.x86_64
Installing : nfs-utils-1:2.5.4-20.el9.x86_64
Running scriptlet: nfs-utils-1:2.5.4-20.el9.x86_64
Installing : sssd-nfs-idmap-2.9.1-4.el9_3.x86_64
Running scriptlet: sssd-nfs-idmap-2.9.1-4.el9_3.x86_64
Verifying : libev-4.33-5.el9.x86_64
Verifying : libwrtio-libev-0.3.2-3.el9.x86_64
Verifying : quota-1:4.06-6.el9.x86_64
Verifying : nfs-utils-1:2.5.4-20.el9.x86_64
Verifying : keyutils-1.6.3-1.el9.x86_64
Verifying : gssproxy-0.8.4-6.el9.x86_64
Verifying : libwrtio-libev-0.3.2-3.el9.x86_64
Verifying : libtirpc-1.3.3-2.el9.x86_64
Verifying : sssd-nfs-idmap-2.9.1-4.el9_3.x86_64
Verifying : sssd-nfs-idmap-2.9.1-4.el9_3.x86_64
Installed products updated.

Installed:
gssproxy-0.8.4-6.el9.x86_64      keyutils-1.6.3-1.el9.x86_64      libev-4.33-5.el9.x86_64      libnfsidmap-1:2.5.4-20.el9.x86_64      libtirpc-1.3.3-2.el9.x86_64
libwrtio-libev-0.3.2-3.el9.x86_64  nfs-utils-1:2.5.4-20.el9.x86_64  quota-1:4.06-6.el9.x86_64      quota-nls-1:4.06-6.el9.x86_64      rpcbind-1.2.6-5.el9.x86_64
sssd-nfs-idmap-2.9.1-4.el9_3.x86_64

Complete!
ec2-user@ip-172-31-28-237:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.31.28.71:/ mynewdir
filesystem      Size  Used Avail Use% Mounted on
/dev/mapper/...  4.0M   0  4.0M   0% /dev
tmpfs           379M   0  379M   0% /dev/shm
tmpfs           152M   0  152M   0% /run
/dev/xvda4       9.4G   1.6G   7.8G  17% /
/dev/xvda3      490M   30M   460M   6% /boot
/dev/xvda2      200M   20K   200M   1% /efi
tmpfs           7.0M   0   7.0M   0% /run/user/1000
172.31.28.71:/  8.0E   0  8.0E   0% /home/ec2-user/mynewdir
ec2-user@ip-172-31-28-237:~$ cd mynewdir/
ec2-user@ip-172-31-28-237:~/mynewdir$ pwd
/home/ec2-user/mynewdir
ec2-user@ip-172-31-28-237:~/mynewdir$ sudo touch file1 file2 file3
ec2-user@ip-172-31-28-237:~/mynewdir$ ls
file1 file2 file3
ec2-user@ip-172-31-28-237:~/mynewdir$
```

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0b9c352063a5ce5d3

### Instance summary for i-0b9c352063a5ce5d3 (ubuntu1)

Updated less than a minute ago

Instance ID i-0b9c352063a5ce5d3 (ubuntu1)	Public IPv4 address 52.23.166.166 <a href="#">Open address</a>	Private IPv4 addresses 172.31.29.51
IPv6 address -	Instance state <b>Running</b>	Public IPv4 DNS ec2-52-23-166-166.compute-1.amazonaws.com <a href="#">Open address</a>
Hostname type IP name: ip-172-31-29-51.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-29-51.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding <a href="#">Opt-in to AWS Compute Optimizer for recommendations.</a> <a href="#">Learn more</a>
Auto-assigned IP address 52.23.166.166 [Public IP]	VPC ID vpc-02d6f940b27d9a6b5	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-0237a2af6550073ea9	
IMDSv2 Required		

Details Security Networking Storage Status checks Monitoring Tags

us-east-1.console.aws.amazon.com/ec2-instance-connect/sh?region=us-east-1&connType=standard&instanceId=i-0b9c352063a5ce5d3&osUser=ubuntu1&sshPort=22#

```
ubuntu1@ip-172-31-29-51:~$ df -h
filesystem      Size  Used Avail Use% Mounted on
/dev/root       7.6G   1.8G   5.9G  24% /
tmpfs           475M   0  475M   0% /dev/shm
tmpfs          190M   0  190M   0% /run
tmpfs           5.0M   0   5.0M   0% /run/lock
/dev/xvda15     105M   6.1M   99M   6% /boot/efi
tmpfs           95M   4.0K   95M   1% /run/user/1000
172.31.28.71:/  8.0E   0  8.0E   0% /home/ubuntu/mynewdir
ubuntu1@ip-172-31-29-51:~$ cd mynewdir/
ubuntu1@ip-172-31-29-51:~/mynewdir$ ls
file1 file2 file3
ubuntu1@ip-172-31-29-51:~/mynewdir$ history
1 sudo apt update
2 mkdir mynewdir
3 sudo apt-get install nfs-common -y
4 df -h
5 sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.31.28.71:/ mynewdir
6 df -h
7 cd mynewdir/
8 ls
9 history
ubuntu1@ip-172-31-29-51:~/mynewdir$
```

i-0b9c352063a5ce5d3 (ubuntu1)  
PublicIPs: 52.23.166.166 PrivateIPs: 172.31.29.51

