

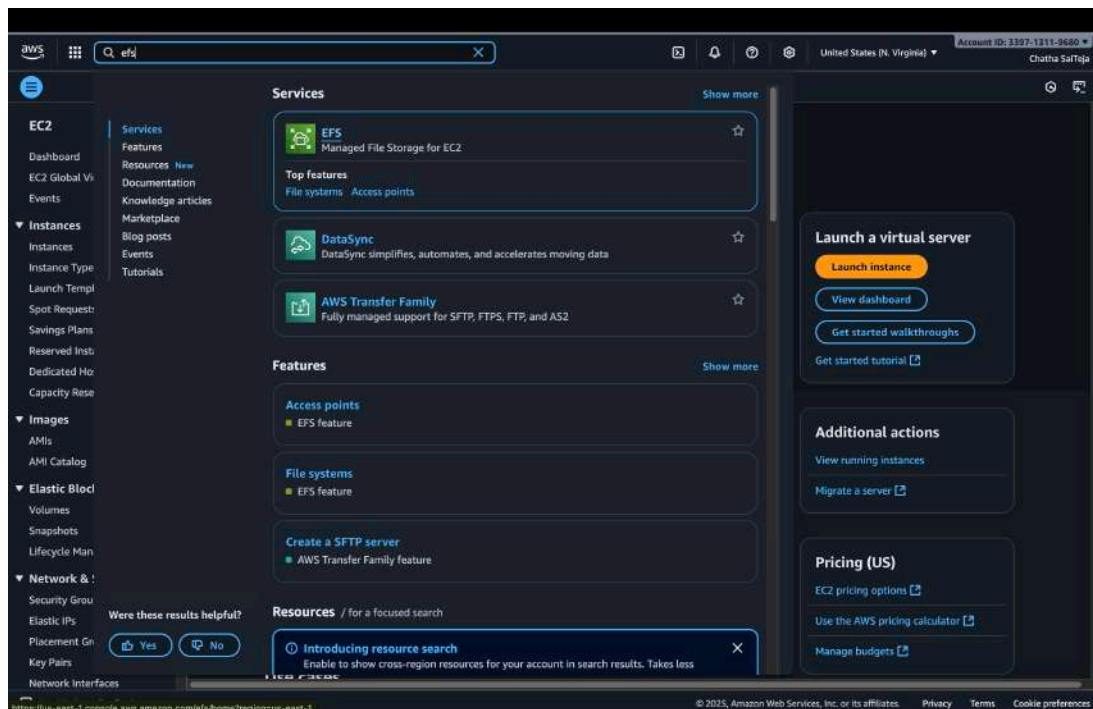
# Assignment

## Tasks To Be Performed:

1. Create an EFS and connect it to 3 different EC2 instances. Make sure that all instances have different operating systems. For instance, Ubuntu, Red Hat Linux and Amazon Linux 2.

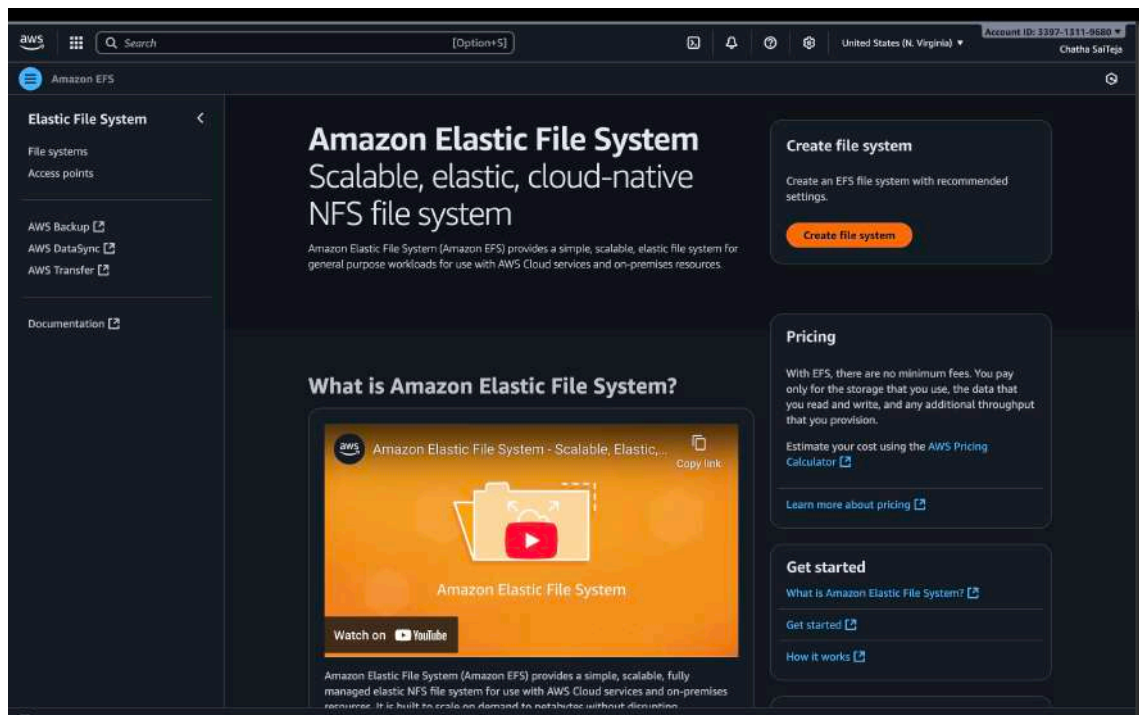
## Step-By-Step Procedure:-

**Step 1:-** Open AWS Console , Sign in and search for EFS(Elastic File System)



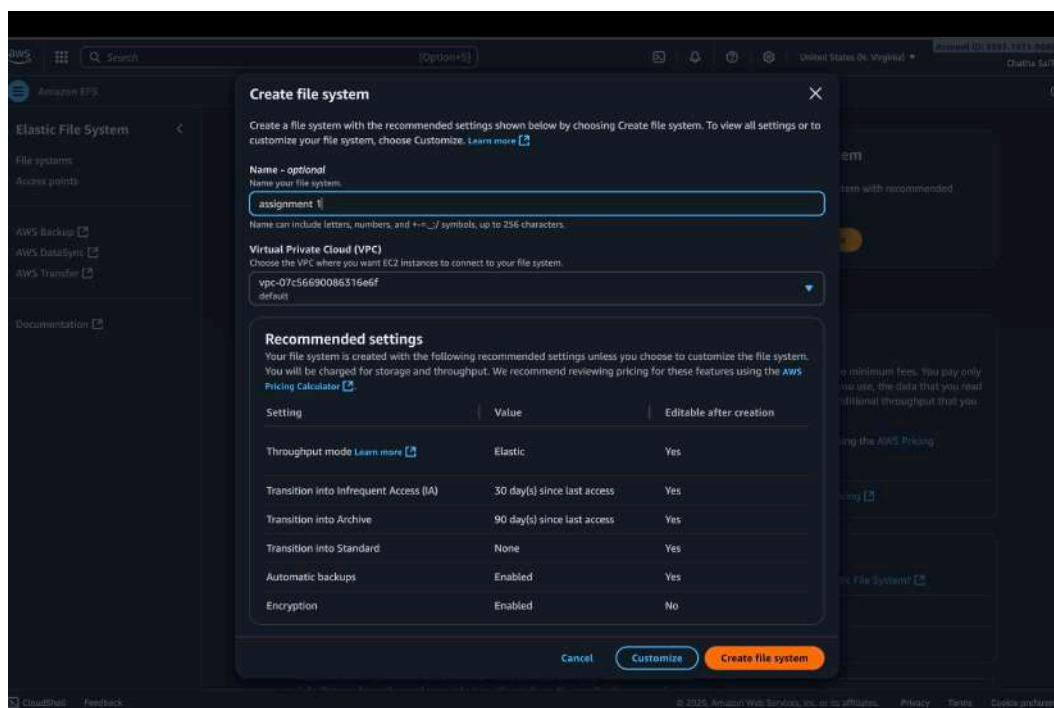
Search for EFS In Console

**Step 2:-** Go to EFS , then You can see “Create File System” click on it.



EFS Interface

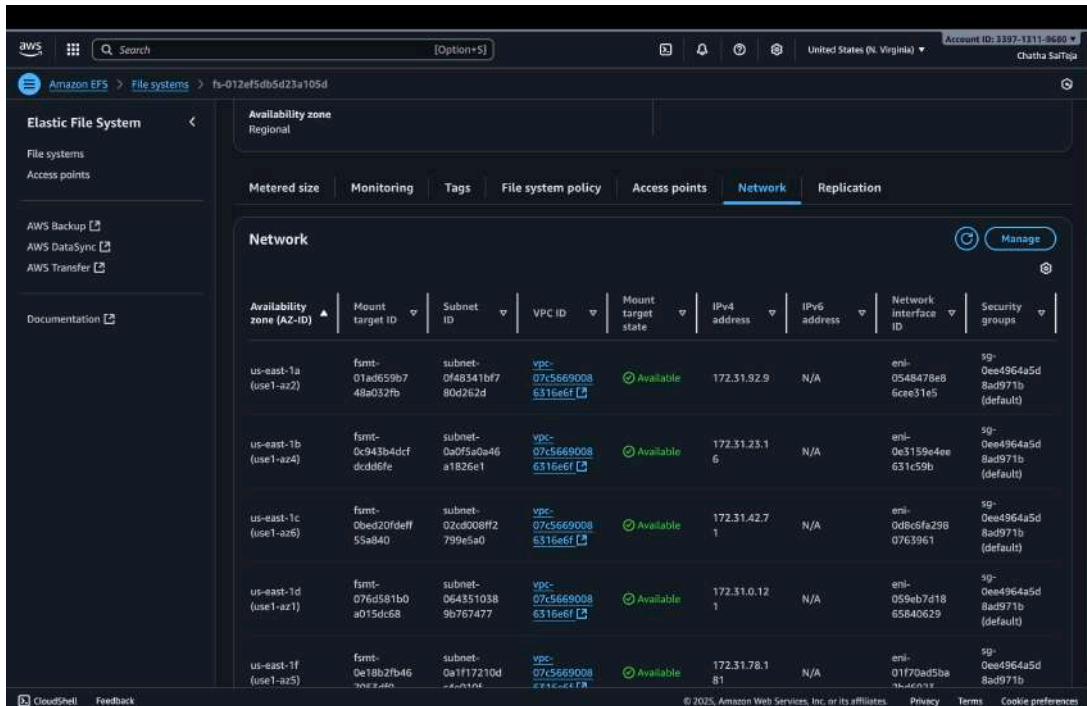
**Step 3:-** Give File System name (like anything you want to give)and other details or else you can customize the EFS, then Click on Create File system.



Caption

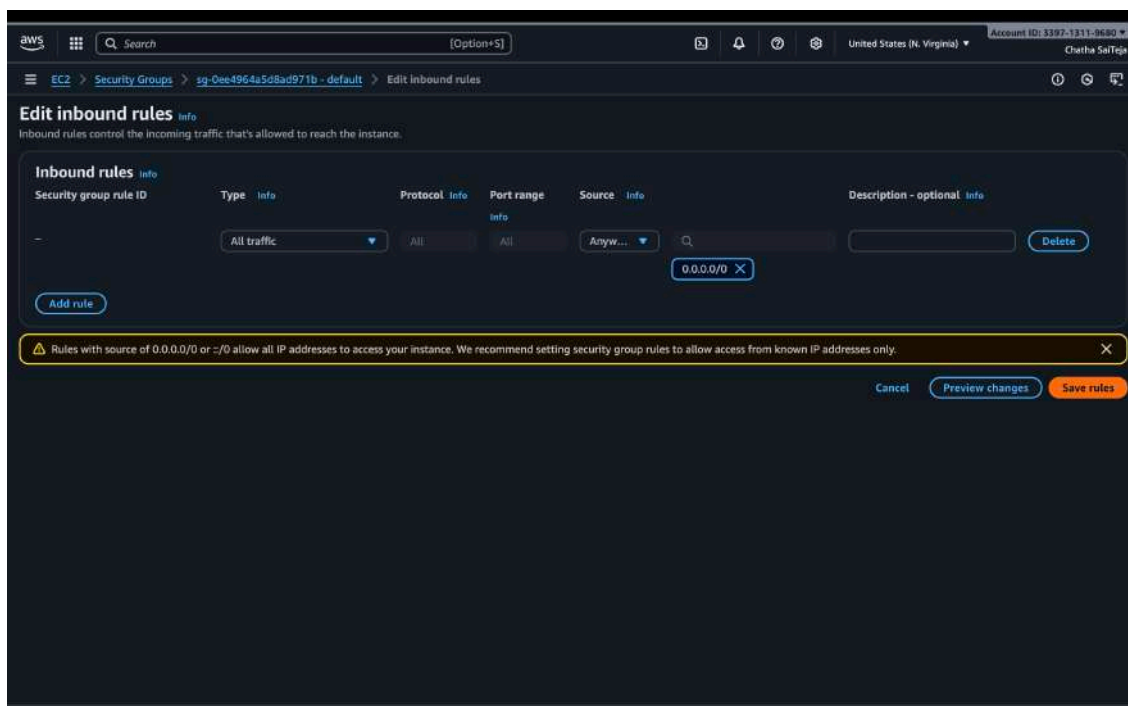
**Step 4:-** As we created EFS ,now we have to create 3 instances with different OS(operating systems) - “Ubuntu”,”Amazon Linux”, “Red Hat”

**Step 5:-** Before Creating the Instances ,Go to File System details, Click on Networks ,in that Check for Security Groups then Change the Security group inbound rules to “All Traffic” and “Anywhere IPV4”



Availability zone (AZ-ID)	Mount target ID	Subnet ID	VPC ID	Mount target state	IPv4 address	IPv6 address	Network interface ID	Security groups
us-east-1a (use1-az2)	fsmt-01ad659b748a032fb	subnet-0f4b341bf780d262d	vpc-07c56690086316e6f	Available	172.31.92.9	N/A	eni-0548478e86cee31e5	sg-0ee4964a5d8ad971b (default)
us-east-1b (use1-az4)	fsmt-0c943b4dcfdcd86fe	subnet-0a9f5a0a46a1826e1	vpc-07c56690086316e6f	Available	172.31.23.16	N/A	eni-0e3159e4ee631c59b	sg-0ee4964a5d8ad971b (default)
us-east-1c (use1-az6)	fsmt-0bed20fdeff55a940	subnet-02cd008ff2799e5a0	vpc-07c56690086316e6f	Available	172.31.42.71	N/A	eni-0d8c6fa2980763961	sg-0ee4964a5d8ad971b (default)
us-east-1d (use1-az1)	fsmt-076d581b0a015dc68	subnet-0643510389b767477	vpc-07c56690086316e6f	Available	172.31.0.121	N/A	eni-059eb7d1865840629	sg-0ee4964a5d8ad971b (default)
us-east-1f (use1-az5)	fsmt-0e18b2fb4670e23a9	subnet-0a1f17210d2e7e2c6f8	vpc-07c56690086316e6f	Available	172.31.78.181	N/A	eni-01f70ad59870a6c97	sg-0ee4964a5d8ad971b (default)

Checking Security Groups

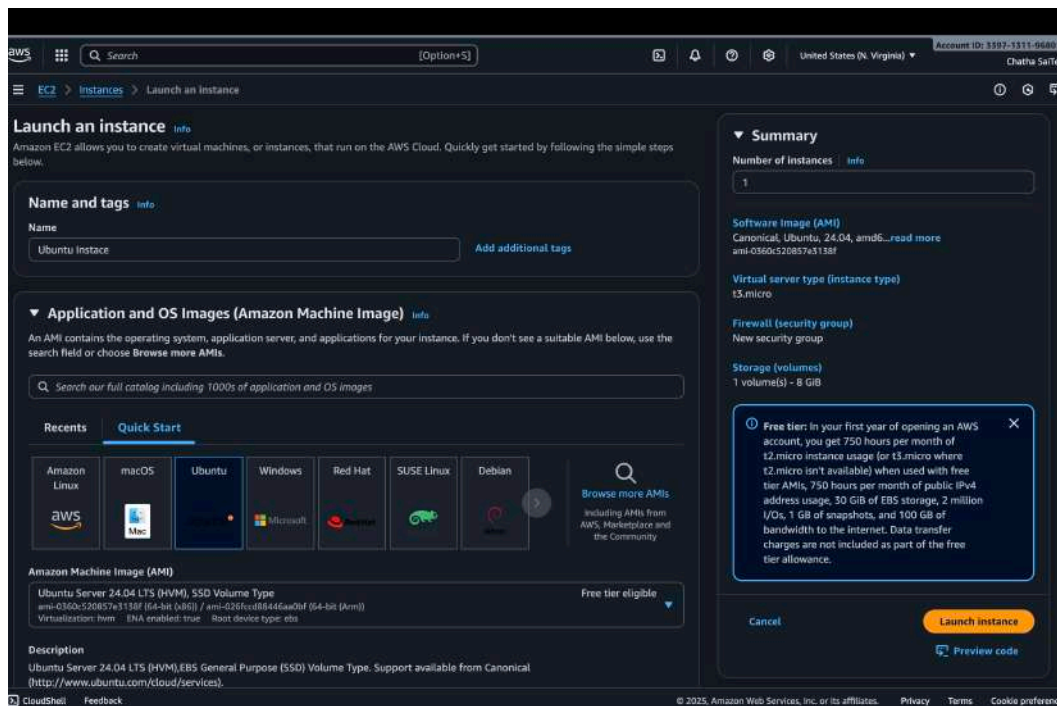


Security group rule ID	Type	Protocol	Port range	Source	Description - optional
-	All traffic	All	All	Anyw...	

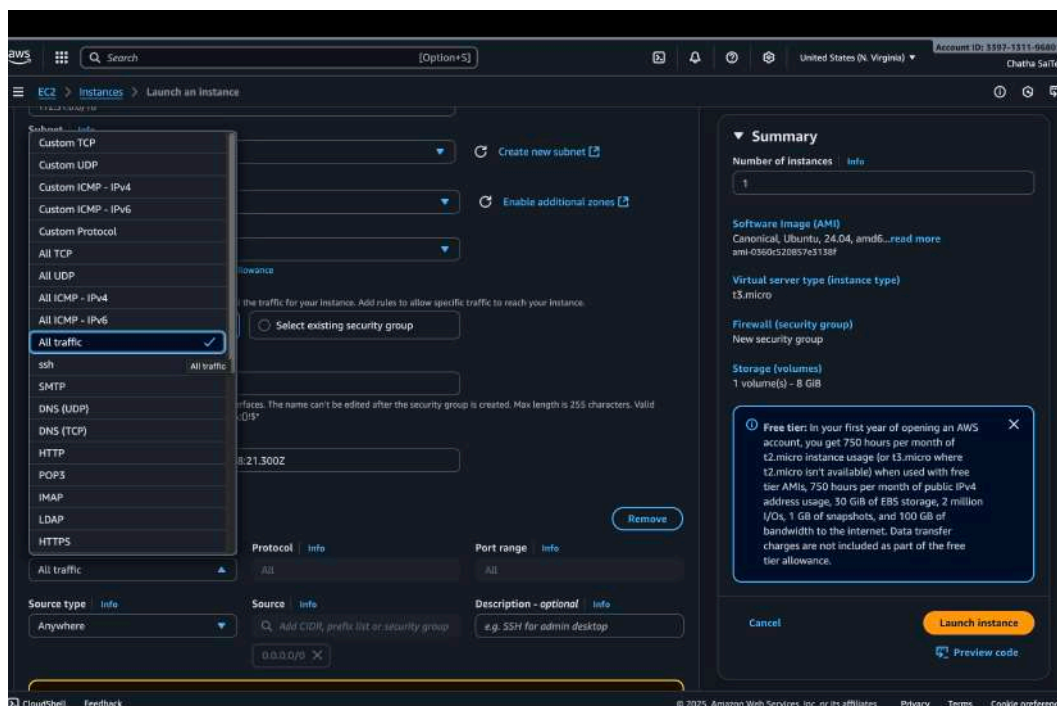
Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Editing Inbound rules

**Step 6-** Now we have to create the Instances, lets start with Instance1(Ubuntu),while creating the instance edit the inbound rules(in security groups) to allow “All Traffic “.

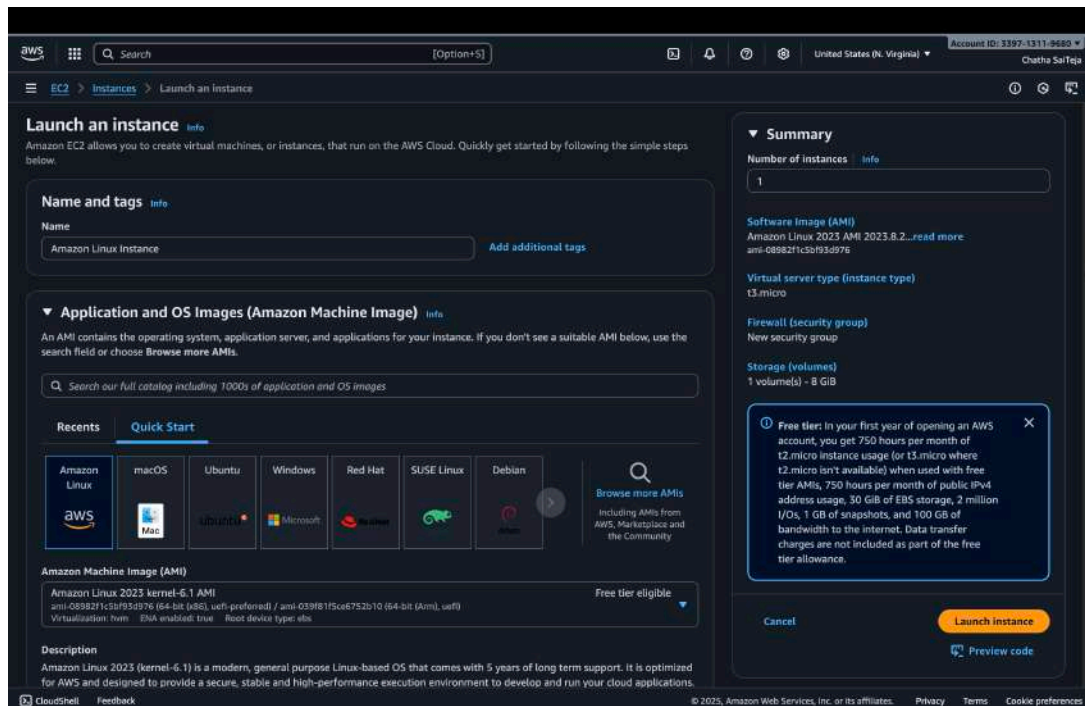


Creating Instance1(UBUNTU)

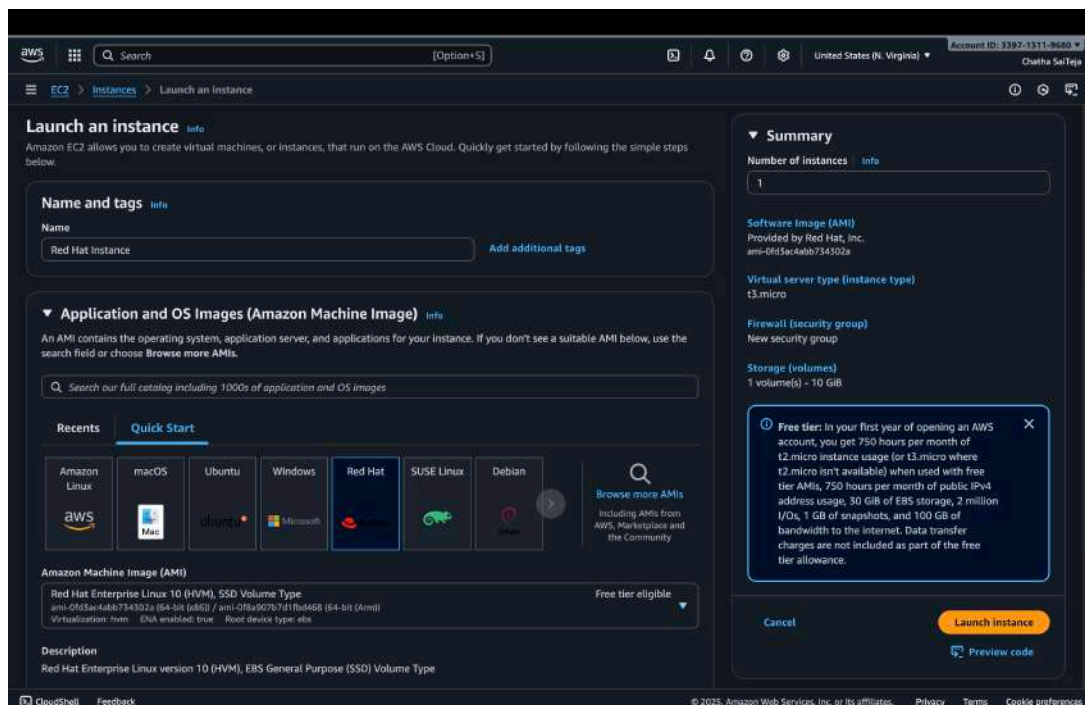


Edit the Inbound rules

**Step 7:-** Create two more instances(Amazon Linux, RedHat Linux) same as above by editing inbound rules of their Security groups.



Instance 2(Amazon Linux)



Instance 3(Red Hat)



**Step 8:-** Connect the first Instance (UBUNTU) and run the following commands to attach the instance to EFS

Commands:- `sudo apt-get update`  
`sudo apt install nfs-common`  
`mkdir efs`

```
AWS CloudShell

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United States (N. Virginia) Account ID: 3597-1311-0680 Chatha Saija

Expanded Security Maintenance for Applications is not enabled.
updates can be applied immediately.
able ESM Apps to receive additional future security updates.
e https://ubuntu.com/esm or run: sudo pro status

e list of available updates is more than a week old.
check for new updates run: sudo apt update

run a command as administrator (user "root"), use "sudo <command>".
e "man sudo_root" for details.

ubuntu@ip-172-31-19-80:~$ sudo apt-get update
t:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [126 kB]
t:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
t:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
t:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
t:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
t:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
t:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
t:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1191 kB]
t:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 C-n-f Metadata [301 kB]
t:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
t:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
t:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
t:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 C-n-f Metadata [8328 B]
t:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1441 kB]
t:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [282 kB]
t:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
t:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 C-n-f Metadata [15.3 kB]
t:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1485 kB]
t:19 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [198 kB]
t:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [299 kB]
t:21 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
t:22 http://security.ubuntu.com/ubuntu noble-security/main amd64 C-n-f Metadata [8744 B]
t:23 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [880 kB]
t:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [378 kB]

i-044197889a12c3912 (Ubuntu Instance)
PublicIPs: 3.94.190.168 PrivateIPs: 172.31.19.80

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```

```
AWS CloudShell

Search [Option+S]

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eated symlink /etc/systemd/system/multi-user.target.wants/rpcbind.service → /usr/lib/systemd/system/rpcbind.service.
eated symlink /etc/systemd/system/sockets.target.wants/rpcbind.socket → /usr/lib/systemd/system/rpcbind.socket.
tting up keyutils (1.6.3-3build1) ...
tting up nfs-common (1:2.6.4-3ubuntu5.1) ...

eating config file /etc/ldmapp.conf with new version
eating config file /etc/nfs.conf with new version
for: Selecting UID from range 100 to 999 ...
for: Adding system user 'statd' (UID 112) ...
for: Adding new user 'statd' (UID 112) with group 'nogroup' ...
for: Not creating home directory '/var/lib/nfs'.
eated symlink /etc/systemd/system/multi-user.target.wants/nfs-client.target → /usr/lib/systemd/system/nfs-client.target.
th-rpogss-module.service is a disabled or a static unit, not starting it.
-s-idmappd.service is a disabled or a static unit, not starting it.
-e-utils.service is a disabled or a static unit, not starting it.
-o-fs-nfsd.mount is a disabled or a static unit, not starting it.
-c-gssd.service is a disabled or a static unit, not starting it.
-o-statd-notify.service is a disabled or a static unit, not starting it.
-o-statd.service is a disabled or a static unit, not starting it.
-c-avegsd.service is a disabled or a static unit, not starting it.
ocessing triggers for man-db (2.12.0-4build2) ...
ocessing triggers for libc-bin (2.39-0ubuntu8.5) ...
anning processes...
anning linux images...

nning kernel seems to be up-to-date.

services need to be restarted.

containers need to be restarted.

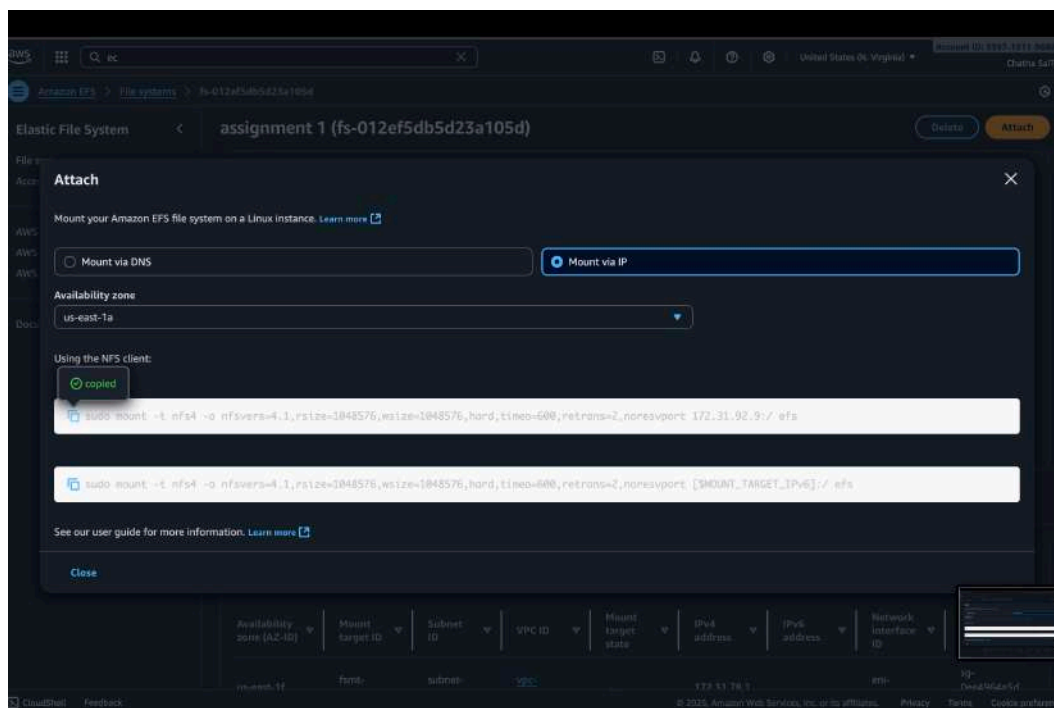
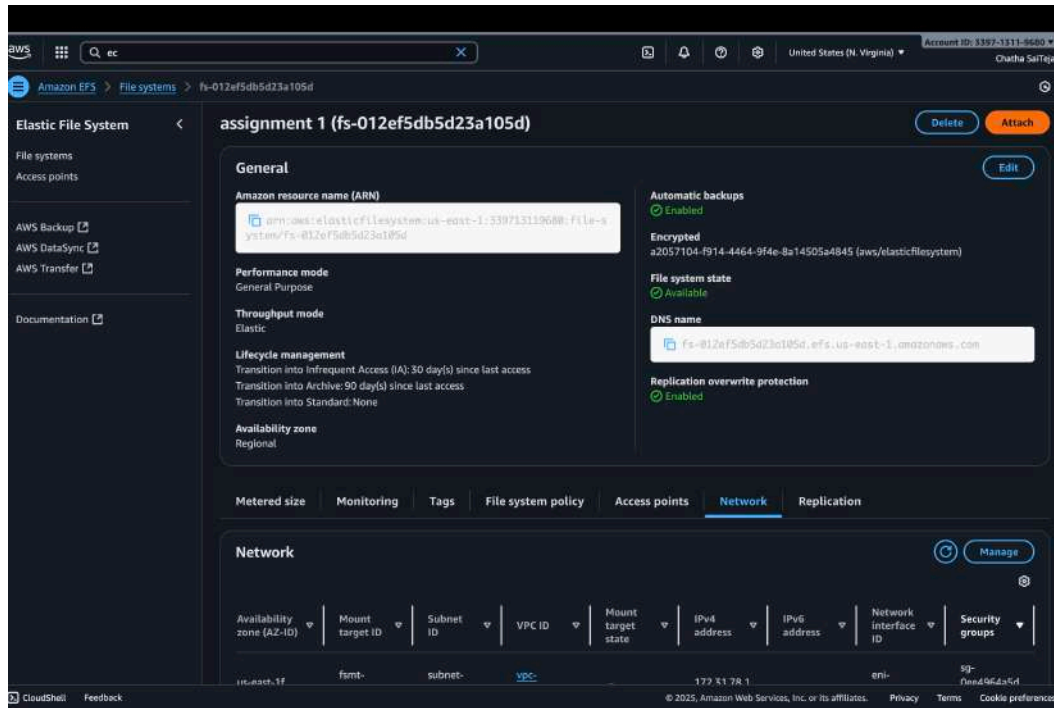
user sessions are running outdated binaries.

VM guests are running outdated hypervisor (qemu) binaries on this host.
untu@ip-172-31-19-80:~$ mkdir efs
untu@ip-172-31-19-80:~$ ls
$
untu@ip-172-31-19-80:~$ █

i-044197889a12c3912 (Ubuntu Instance)
PublicIPs: 3.94.190.168 PrivateIPs: 172.31.19.80

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```

**Step 9:-** Attach the instance to EFS by pasting the command from efs attach button where we have an option mount via dns or mount via ip, we prefer mount via ip copy the command and paste in the Ubuntu terminal .



Copy the Command

```
Info: Not creating home directory '/var/lib/nfs/'.
Created symlink /etc/systemd/system/multi-user.target.wants/nfs-client.target → /usr/lib/systemd/system/nfs-client.target.
Created symlink /etc/systemd/system/remote-fs.target.wants/nfs-client.target → /usr/lib/systemd/system/nfs-client.target.
auth-rpcgss-module.service is a disabled or a static unit, not starting it.
nfs-idmapd.service is a disabled or a static unit, not starting it.
nfs-utils.service is a disabled or a static unit, not starting it.
proc-fs-nfsd.mount is a disabled or a static unit, not starting it.
rpc-gssd.service is a disabled or a static unit, not starting it.
rpc-statd-notify.service is a disabled or a static unit, not starting it.
rpc-statd.service is a disabled or a static unit, not starting it.
rpc-rpcgssd.service is a disabled or a static unit, not starting it.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.5) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-19-80:~$ mkdir efs
ubuntu@ip-172-31-19-80:~$ ls
efs
ubuntu@ip-172-31-19-80:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.31.92.9:/ efs
ubuntu@ip-172-31-19-80:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/root        6.8G  2.0G  4.8G   30% /
tmpfs            458M   0  458M   0% /dev/shm
tmpfs            183M  904K  182M   1% /run
tmpfs            5.0M   0   5.0M   0% /run/lock
efivarfs         128K  3.6K  128K   3% /sys/firmware/efi/efivars
/dev/nvme0n1p6   881M   87M  793M  11% /boot
/dev/nvme0n1p5  105M   6.2M   99M   6% /boot/efi
tmpfs            92M   12K   92M   1% /run/user/1000
172.31.92.9:/    8.0E   0   8.0E   0% /home/ubuntu/efs
ubuntu@ip-172-31-19-80:~$
```

i-044197889a12c3912 (Ubuntu Instance)  
PublicIPs: 3.94.190.168 PrivateIPs: 172.31.19.80

Instance1 Mounted with EFS

**Step 10:-** Connect the Second Instance (Amazon Linux) and run the following commands to attach the instance to EFS

Commands:-  
sudo yum update  
sudo yum install nfs-utils  
mkdir efs

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-23-111 ~]$ sudo yum update
Amazon Linux 2023 Kernel Livepatch repository
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-23-111 ~]$ sudo yum install nfs-utils
Last metadata expiration check: 0:00:31 ago on Fri Sep 26 07:18:00 2025.
Package nfs-utils-1:2.5.4-2.rc3.amzn2023.0.3.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-23-111 ~]$ mkdir efs
[ec2-user@ip-172-31-23-111 ~]$ ls
efs
[ec2-user@ip-172-31-23-111 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.31.92.9:/ efs
[ec2-user@ip-172-31-23-111 ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M   0  4.0M   0% /dev
tmpfs           453M   0  453M   0% /dev/shm
tmpfs           181M  432K  181M   1% /run
/dev/nvme0n1p1  8.0G  1.6G  6.4G  20% /
tmpfs           453M   0  453M   0% /tmp
/dev/nvme0n1p28  10M  1.3M  8.7M  13% /boot/efi
tmpfs           91M   0   91M   0% /run/user/1000
172.31.92.9:/    8.0E   0   8.0E   0% /home/ec2-user/efs
[ec2-user@ip-172-31-23-111 ~]$
```

i-0ba7dfa12cb04a6a6 (Amazon Linux Instance)  
PublicIPs: 54.90.164.250 PrivateIPs: 172.31.23.111

Instance 2 mounted with EFS



- \* Copy the command same as in instance 1 to mount the instance 2 with EFS

**Step 11:-** Connect the Third Instance (Red Hat Linux) and run the following commands to attach the instance to EFS

Commands:- `sudo yum update`

`sudo yum install nfs-utils`

`mkdir efs`

- \* Red hat Linux should not directly connect the instance we should connect it through ssh client (terminal ,windows shell).
- \* Same like above insatncs copy the command of Efs to mount the instance to Efs

```
[ec2-user@ip-172-31-27-36 ~]$ sudo yum update
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.

Red Hat Enterprise Linux 10 for x86_64 - AppStream from RHUI (RPMs) 150 kB/s | 3.2 MB 00:21
Red Hat Enterprise Linux 10 for x86_64 - BaseOS from RHUI (RPMs) 95 kB/s | 25 MB 04:24
Red Hat Enterprise Linux 10 Client Configuration 3.0 kB/s | 2.0 kB 00:00
Dependencies resolved.
=====
Package Architecture Version Repository Size
=====
Installing:
kernel x86_64 6.12.0-55.34.1.el10_0 rhel-10-baseos-rhui-rpms 469 k
kernel-core x86_64 6.12.0-55.34.1.el10_0 rhel-10-baseos-rhui-rpms 17 M
kernel-modules x86_64 6.12.0-55.34.1.el10_0 rhel-10-baseos-rhui-rpms 38 M
kernel-modules-core x86_64 6.12.0-55.34.1.el10_0 rhel-10-baseos-rhui-rpms 28 M
Upgrading:
NetworkManager x86_64 1:1.52.0-7.el10_0 rhel-10-baseos-rhui-rpms 2.2 M
NetworkManager-cloud-setup x86_64 1:1.52.0-7.el10_0 rhel-10-appstream-rhui-rpms 74 k
NetworkManager-libnm x86_64 1:1.52.0-7.el10_0 rhel-10-baseos-rhui-rpms 1.9 M
NetworkManager-tui x86_64 1:1.52.0-7.el10_0 rhel-10-baseos-rhui-rpms 231 k
amd-gpu-firmware noarch 20250812-15.7.el10_0 rhel-10-appstream-rhui-rpms 29 M
amd-ucode-firmware noarch 20250812-15.7.el10_0 rhel-10-baseos-rhui-rpms 445 k
atheros-firmware noarch 20250812-15.7.el10_0 rhel-10-baseos-rhui-rpms 37 M
broadcom-firmware noarch 20250812-15.7.el10_0 rhel-10-baseos-rhui-rpms 9.6 M
cirrus-audio-firmware noarch 20250812-15.7.el10_0 rhel-10-baseos-rhui-rpms 2.3 M
dnf noarch 4.20.0-14.el10_0 rhel-10-baseos-rhui-rpms 476 k
dnf-data noarch 4.20.0-14.el10_0 rhel-10-baseos-rhui-rpms 40 k
gnutls x86_64 3.8.9-9.el10_0.14 rhel-10-baseos-rhui-rpms 1.4 M
intel-audio-firmware noarch 20250812-15.7.el10_0 rhel-10-baseos-rhui-rpms 3.3 M
intel-gpu-firmware noarch 20250812-15.7.el10_0 rhel-10-appstream-rhui-rpms 8.9 M
iwlwifi-dvm-firmware noarch 20250812-15.7.el10_0 rhel-10-baseos-rhui-rpms 1.9 M
iwlwifi-mvm-firmware noarch 20250812-15.7.el10_0 rhel-10-baseos-rhui-rpms 64 M

Warning: The unit file, source configuration file or drop-ins of gssproxy.service changed on disk. Run 'systemctl daemon-reload' to reload units.
Warning: The unit file, source configuration file or drop-ins of gssproxy.service changed on disk. Run 'systemctl daemon-reload' to reload units.

Installing : sssd-nfs-idmap-2.10.2-3.el10_0.2.x86_64 10/10
Running scriptlet: sssd-nfs-idmap-2.10.2-3.el10_0.2.x86_64 10/10
Installed products updated.

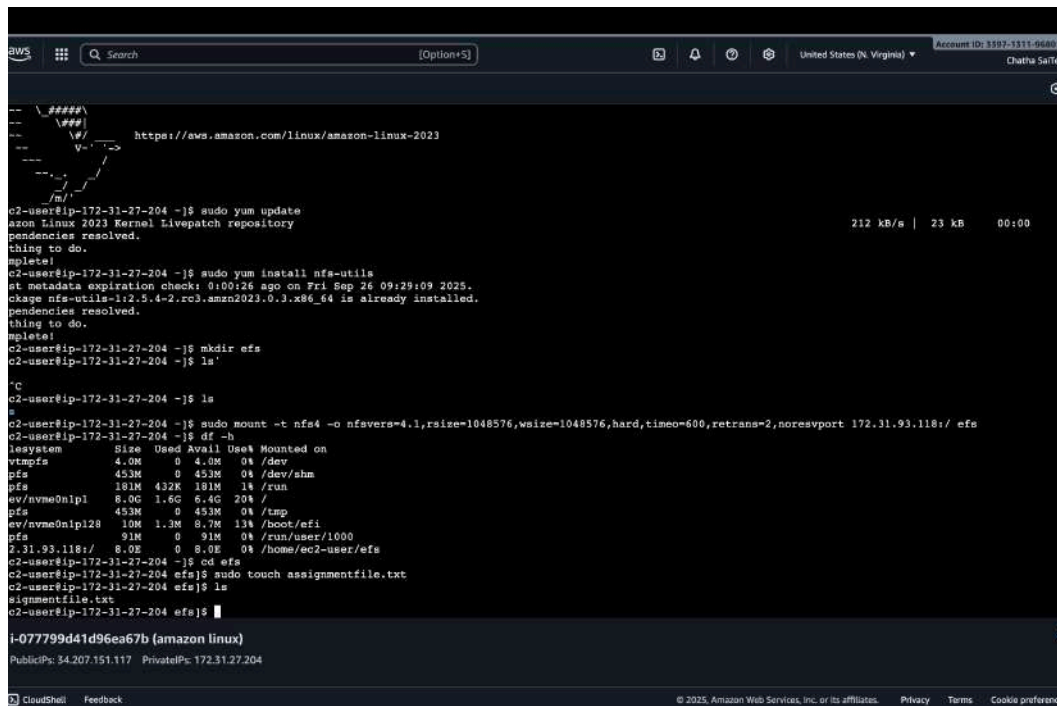
Installed:
gssproxy-0.9.2-10.el10.x86_64 libev-4.33-14.el10.x86_64 libnfsidmap-1:2.8.2-3.el10.x86_64
libtirpc-1.3.5-1.el10.x86_64 libverto-libev-0.3.2-10.el10.x86_64 nfs-utils-1:2.8.2-3.el10.x86_64
quota-1:4.09-9.el10.x86_64 quota-nls-1:4.09-9.el10.noarch rpcbind-1.2.7-3.el10.x86_64
sssd-nfs-idmap-2.10.2-3.el10_0.2.x86_64

Complete!
[ec2-user@ip-172-31-27-36 ~]$ mkdir efs
[ec2-user@ip-172-31-27-36 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsz=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvport 172.31.92.9:/ efs
[ec2-user@ip-172-31-27-36 ~]$ df -h
Filesystem Size Used Avail Use% Mounted on
/dev/nvme0n1p3 9.8G 2.0G 7.9G 20% /
devtmpfs 4.0M 0 4.0M 0% /dev
tmpfs 454M 0 454M 0% /dev/shm
efivarfs 128K 3.6K 120K 3% /sys/firmware/efi/efivars
tmpfs 182M 4.8M 177M 3% /run
tmpfs 1.0M 0 1.0M 0% /run/credentials/systemd-journald.service
/dev/nvme0n1p2 200M 8.4M 192M 5% /boot/efi
tmpfs 1.0M 0 1.0M 0% /run/credentials/getty@tty1.service
tmpfs 1.0M 0 1.0M 0% /run/credentials/serial-getty@ttyS0.service
tmpfs 91M 4.0K 91M 1% /run/user/1000
172.31.92.9:/ 8.0E 0 8.0E 0% /home/ec2-user/efs
[ec2-user@ip-172-31-27-36 ~]$
```

Instance 3 Mounted to Efs

**Step 12:-** Now we mounted three instances to EFS and created directory named “efs”, so we create a file in one instance then it shows in all three instance without touching the instances.

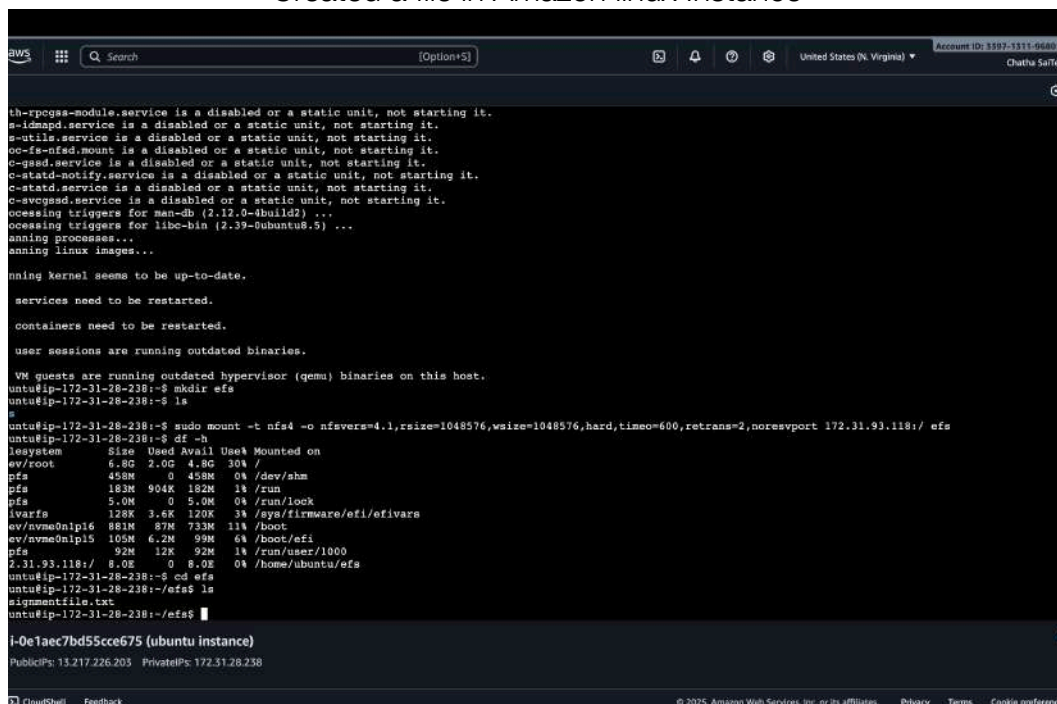
- \* So we create the file named as “assignmentfile.txt” In Amazon Linux Instance(Instance2) using command `sudo touch assignmentfile.txt`.
- \* Now we can see the file in other two instances we can check by running the command “ls”.



```
i-077799d41d96ea67b (amazon linux)
PublicIP: 34.207.151.117 PrivateIP: 172.31.27.204

c2-user@ip-172-31-27-204 ~$ sudo yum update
amazon Linux 2023 Kernel Livepatch repository
dependencies resolved.
212 kB/s | 23 kB 00:00
Nothing to do.
c2-user@ip-172-31-27-204 ~$ sudo yum install nfs-utils
Setting metadata expiration check: 0:00:26 ago on Fri Sep 26 09:29:09 2025.
Package nfs-utils-1:2.5.4-2.rc3.amzn2023.0.3.x86_64 is already installed.
dependencies resolved.
Nothing to do.
c2-user@ip-172-31-27-204 ~$ mkdir efs
c2-user@ip-172-31-27-204 ~$ ls
efs
c2-user@ip-172-31-27-204 ~$ ls
efs
c2-user@ip-172-31-27-204 ~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.31.93.118:/ efs
c2-user@ip-172-31-27-204 ~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
tmpfs            4.0M   0  4.0M   0% /dev
pfs              453M   0  453M   0% /dev/shm
pfs             101M  432K  101M   1% /run
evm/nvme0n1p1    8.0G  1.6G   6.4G  20% /
pfs              453M   0  453M   0% /tmp
evm/nvme0n1p128  10M   1.3M   8.7M  13% /boot/efi
pfs              91M   0   91M   0% /run/user/1000
2.31.93.118:/    8.0E   0   8.0E   0% /home/ec2-user/efs
c2-user@ip-172-31-27-204 ~$ cd efs
c2-user@ip-172-31-27-204 efs$ sudo touch assignmentfile.txt
c2-user@ip-172-31-27-204 efs$ ls
assignmentfile.txt
c2-user@ip-172-31-27-204 efs$
```

Created a file in Amazon linux Instance



```
i-0e1a2c7bd55c6e675 (ubuntu instance)
PublicIP: 13.217.226.205 PrivateIP: 172.31.28.238

th-rpccs-module.service is a disabled or a static unit, not starting it.
e-lmcpd.service is a disabled or a static unit, not starting it.
s-utils.service is a disabled or a static unit, not starting it.
oc-fs-nfsd.mount is a disabled or a static unit, not starting it.
c-gssd.service is a disabled or a static unit, not starting it.
c-ctatd-notify.service is a disabled or a static unit, not starting it.
c-ctatd.service is a disabled or a static unit, not starting it.
c-svccssd.service is a disabled or a static unit, not starting it.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libe-bin (2.39-0ubuntu8.5) ...
Setting up linux images...
Setting kernel seems to be up-to-date.
services need to be restarted.
containers need to be restarted.
user sessions are running outdated binaries.
VM guests are running outdated hypervisor (qemu) binaries on this host.
untu@ip-172-31-28-238:~$ mkdir efs
untu@ip-172-31-28-238:~$ ls
efs
untu@ip-172-31-28-238:~$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.31.93.118:/ efs
untu@ip-172-31-28-238:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
evm/root        6.0G  2.0G   4.0G  30% /
pfs             459M   0  459M   0% /dev/shm
pfs            183M  904K  182M   1% /run
pfs              5.0M   0   5.0M   0% /run/lock
pfs            128K   2.4K  120K   3% /sys/firmware/efi/efivars
evm/nvme0n1p16  883M   87M  733M  11% /boot
evm/nvme0n1p5   105M   6.2M   99M   6% /boot/efi
pfs             92M  12K   92M   1% /run/user/1000
2.31.93.118:/    8.0E   0   8.0E   0% /home/ubuntu/efs
untu@ip-172-31-28-238:~$ cd efs
untu@ip-172-31-28-238:~/efs$ ls
assignmentfile.txt
untu@ip-172-31-28-238:~/efs$
```

By running the command ls we can see the file in Ubuntu Instance

```
Terminal Shell Edit View Window Help CHATHA SAI TEJA Fri 3:55 PM
Downloads — ec2-user@ip-172-31-30-0:~efs — ssh -i sa.pem ec2-user@ec2-54-165-161-202.compute-1.amazonaws.com — 131x35

reload units.

Installing      : sssd-nfs-idmap-2.10.2-3.el10_0.2.x86_64      10/10
Running scriptlet: sssd-nfs-idmap-2.10.2-3.el10_0.2.x86_64      10/10
Installed products updated.

Installed:
  gssproxy-0.9.2-10.el10.x86_64      libev-4.33-14.el10.x86_64      libnfsidmap-1:2.8.2-3.el10.x86_64
  libtirpc-1.3.5-1.el10.x86_64      libverto-libev-0.3.2-10.el10.x86_64  nfs-utils-1:2.8.2-3.el10.x86_64
  quota-1:4.09-9.el10.x86_64      quota-nls-1:4.09-9.el10.noarch      rpcbind-1.2.7-3.el10.x86_64
  sssd-nfs-idmap-2.10.2-3.el10_0.2.x86_64

complete!
ec2-user@ip-172-31-30-0 ~]$ mkdir efs
ec2-user@ip-172-31-30-0 ~]$ ls
efs
ec2-user@ip-172-31-30-0 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport 172.
1.93.118:/ efs
ec2-user@ip-172-31-30-0 ~]$ df -h
filesystem      Size  Used Avail Use% Mounted on
dev/nvme0n1p3    9.8G  1.9G  7.9G  20% /
evtmpfs          4.0M    0  4.0M   0% /dev
mpfs             454M    0  454M   0% /dev/shm
fivarfs         128K  3.6K  120K   3% /sys/firmware/efi/efivars
mpfs            182M  4.8M  177M   3% /run
mpfs             1.0M    0   1.0M   0% /run/credentials/systemd-journald.service
dev/nvme0n1p2   280M  8.4M  192M   5% /boot/efi
mpfs             1.0M    0   1.0M   0% /run/credentials/getty@tty1.service
mpfs             1.0M    0   1.0M   0% /run/credentials/serial-getty@ttyS0.service
mpfs             91M   4.0K   91M   1% /run/user/1000
72.31.93.118:/   8.0E    0  8.0E   0% /home/ec2-user/efs
ec2-user@ip-172-31-30-0 ~]$ cd efs
ec2-user@ip-172-31-30-0 efs]$ ls
ssignmentfile.txt
ec2-user@ip-172-31-30-0 efs]$
```

By running the command ls we can see the file in Red Hat Linux Instance

**Step 13:-** The three instances are mounted to the Efs we created ,now the instances share the storage. Efs Is region Specific.