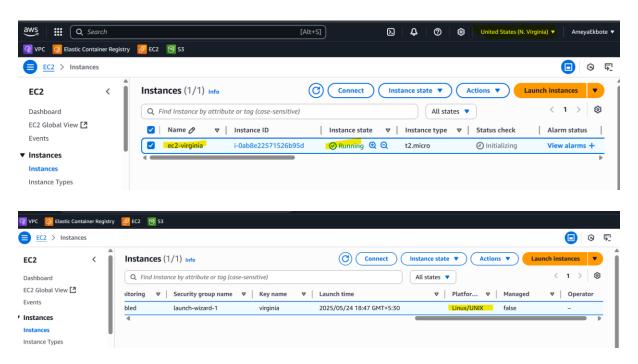
1] Problem Statement: You work for XYZ Corporation. Your corporation is working on an application and they require secured web servers on Linux to launch the application.

Tasks To Be Performed:

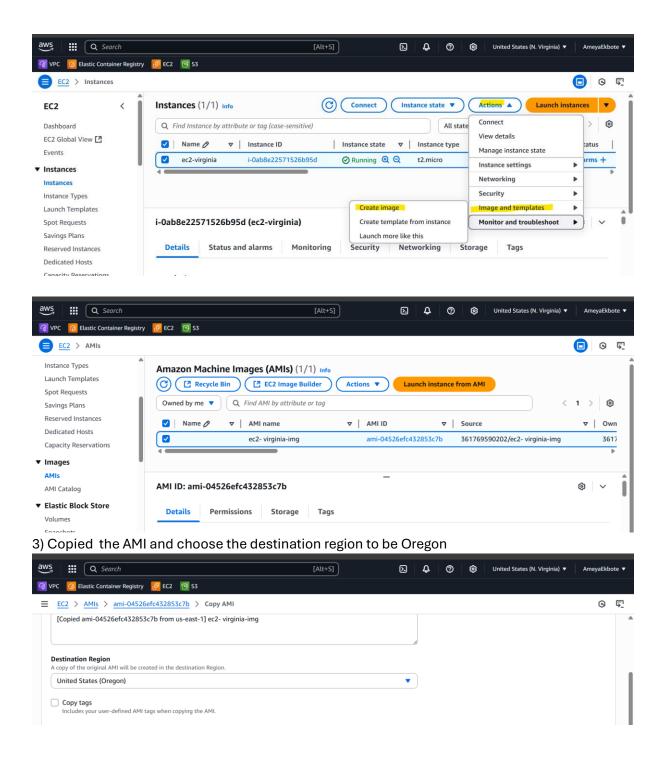
1. Create an instance in the US-East-1 (N. Virginia) region with Linux OS and manage the requirement of web servers of your company using AMI. 2. Replicate the instance in the US-West-2 (Oregon) region. 3. Build two EBS volumes and attach them to the instance in the US-East-1 (N. Virginia) region. 4. Delete one volume after detaching it and extend the size of the other volume. 5. Take backup of this EBS volume



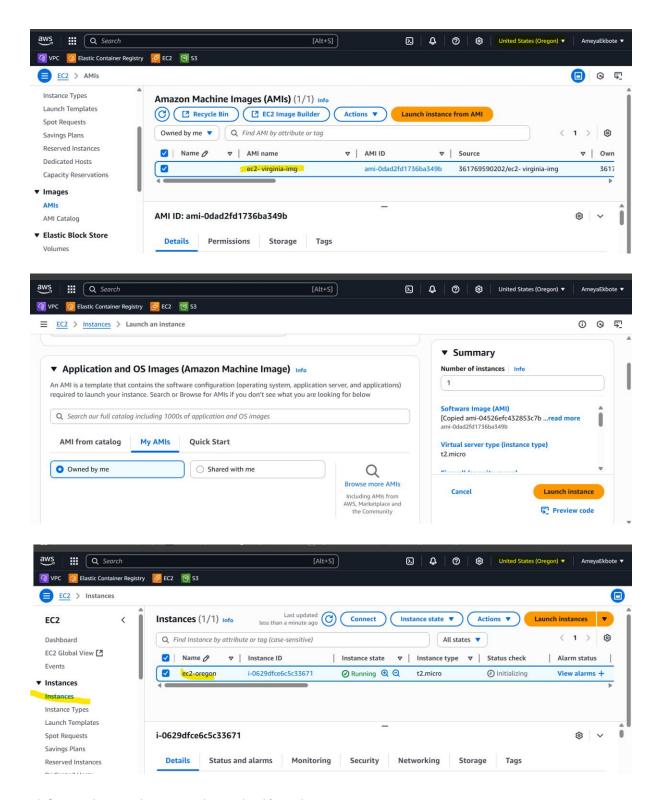
1) Created an instance in Virginia Region used Linux OS



2) Created Image of Instance

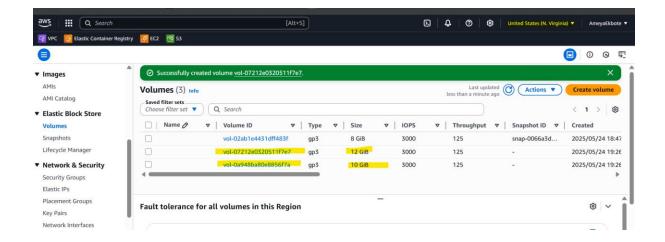


4. Switched the region to US West Oregon and launched instance using the AMI.

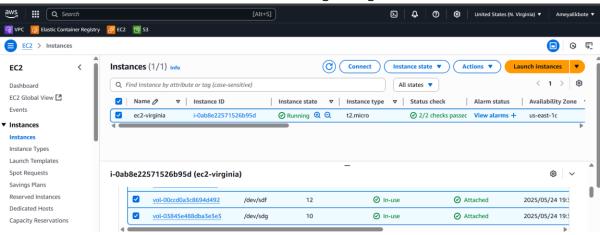


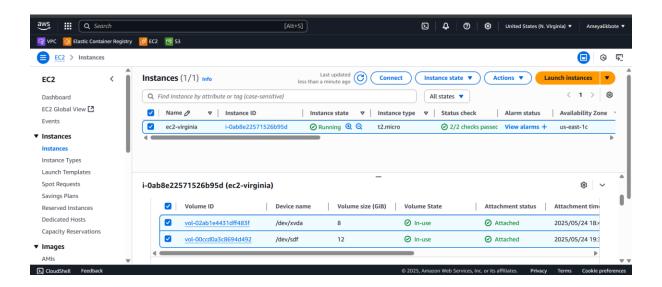
5) Created two volumes and attached it to the

instance. I have created two volumes of 10GB and 12GB respectively.

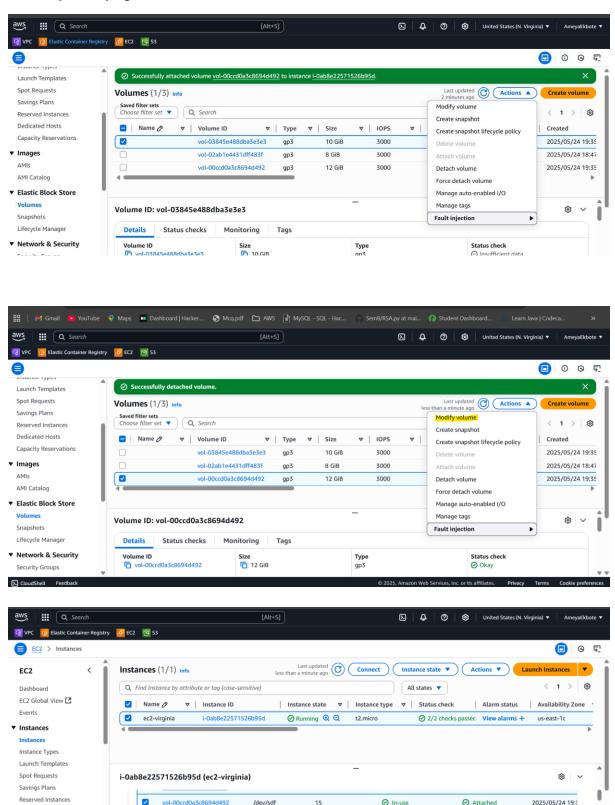


6. Attached both the volumes to the instance in Virginia region.





7. After attaching both the volumes detach one of them and extended the size of other by modifying the volume.



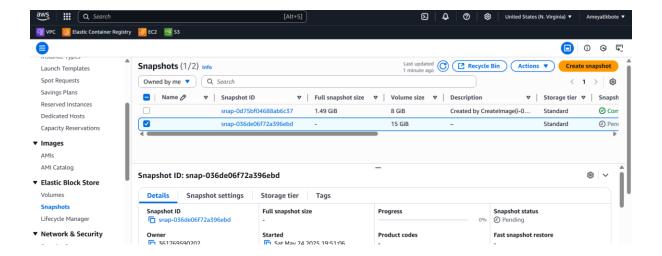
Dedicated Hosts

Capacity Reservations

Volume monitoring (2)

8. To take the backup of the Volume, we need to create the Snapshot of the

Volume -

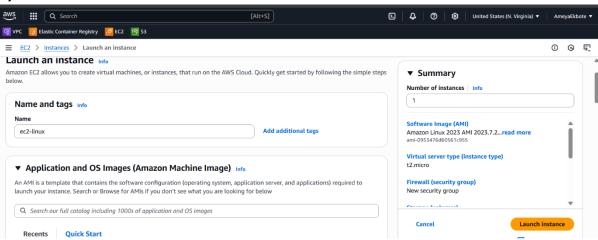


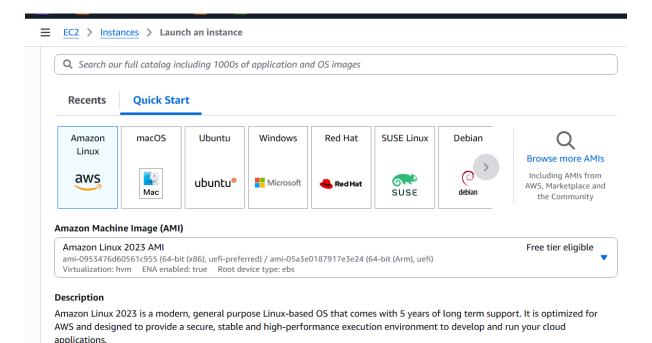
2] Tasks To Be Performed: 1. Create an EFS and connect it to 3 different EC2 instances. Make sure that all instances have different operating systems. For instance, Ubuntu, Red Hat Linux and Amazon Linux 2.



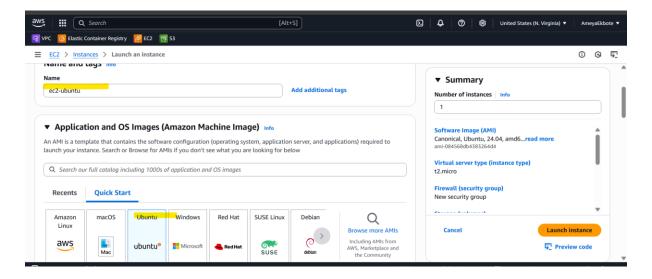
Creating 3 instances

1) Linux Instance creation =>

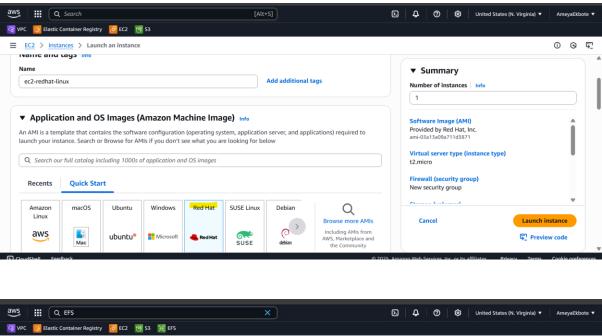


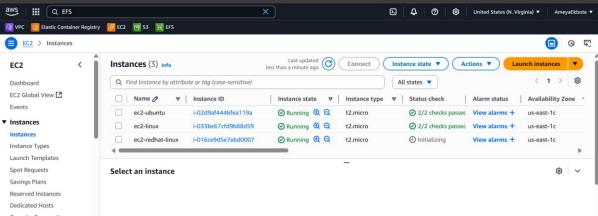


2) Ubuntu Instance creation =>

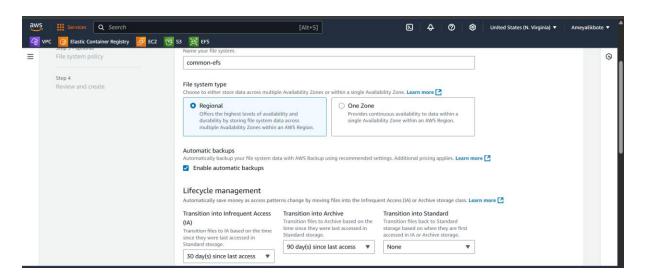


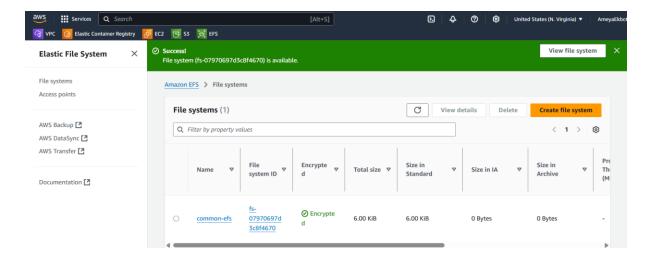
3) Red Hat Linux Instance creation =>



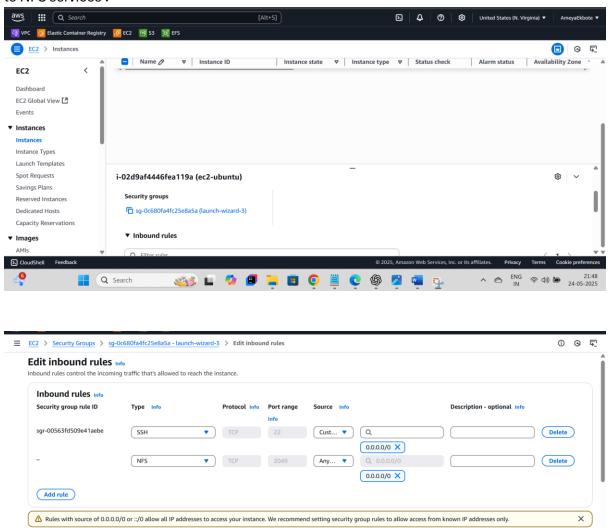


4) Creating common EFS =>



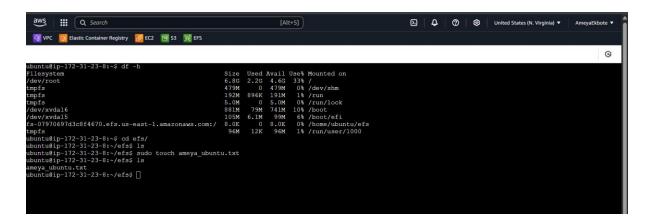


5) Attaching EFS to ubuntu instance, updating security group and inbound connectivity opened to NFS services.

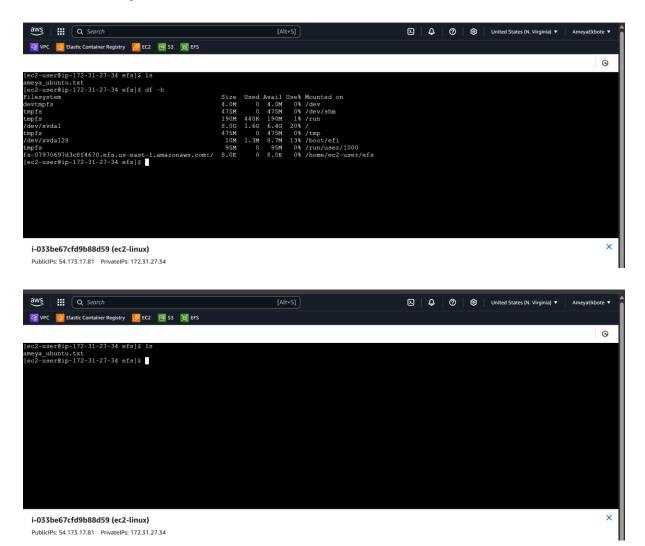


6) Attached EFS to ubuntu instance and created Ameya_ubuntu.txt file , will see this file after attaching EFS to linux instance =>

Cancel Preview changes Save rules

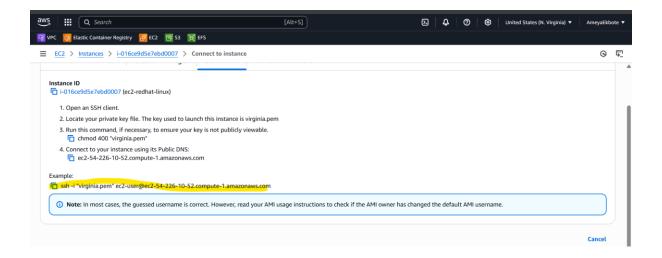


7) Linux – Attached Common EFS to linux instance and able to see ubuntu.txt file, created one more txt file Ameya_linux.txt which will be check in redhat linux instance.



```
| Compare | Comp
```

8) Redhat – Connected redhat instance using SSH connection with key pair and attached common efs to this instance as well . Able to see both Ameya_ubuntu.txt and Ameya_linux.txt files .



```
Running scriptlet: gssproxy-0.9.2-10.el10.x86_64
Running scriptlet: nfs-utils-1:2.8.2-3.el10.x86_64
Running: 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.el10.9.2.x86_64
Running scriptlet: sssd-nfs-idmap-2.10.2-3.el10.2.x86_64
Running scriptlet: sssd-nfs-idmap-2.10.2-3.el10.2.x86_64
Running scriptlet: sssd-nfs-idmap-2.10.2-3.el10.x86_64
Running scriptlet: sssd-nfs-idmap-2.10.2-3.el10.x86_64
Running scriptlet: sssd-nfs-idmap-2.10.2-3.el10.x86_64
Running: The unit file, source configuration file or drop-ins of gssproxy.service changed on disk. Run 'systemctl daemon-reload' to reload units.

Installed: gssproxy-0.9.2-10.el10.x86_64
Running: Installed: gsspr
```

Assignment is completed!!