



## TASK TO DO

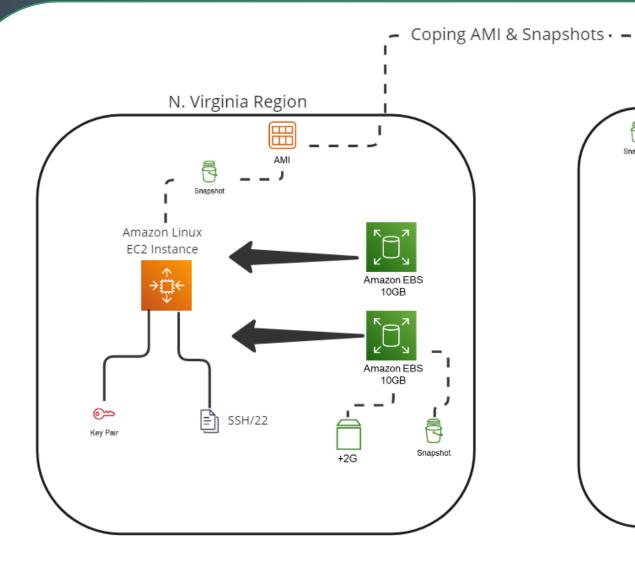
#### **Problem Statement:**

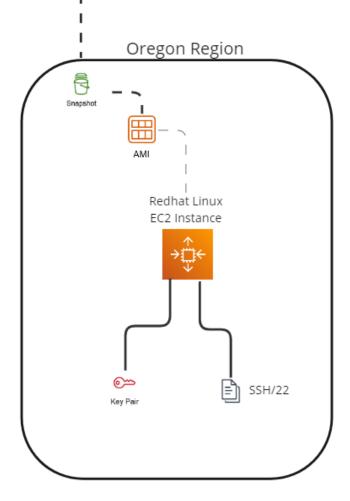
You work for XYZ Corporation. Your corporation is working on an application and they require secured web servers on Linux to launch the application.

#### You have been asked to:

- 1. Create an Instance in 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 us-west-2 (Oregon) region
- 3. Build two EBS volumes and attach them to the instance in us-east-1 (N. Virginia) region
- 4. Delete one volume after detaching it and extend the size of other volume
- 5. Take backup of this EBS volume

# BLUEPRINT

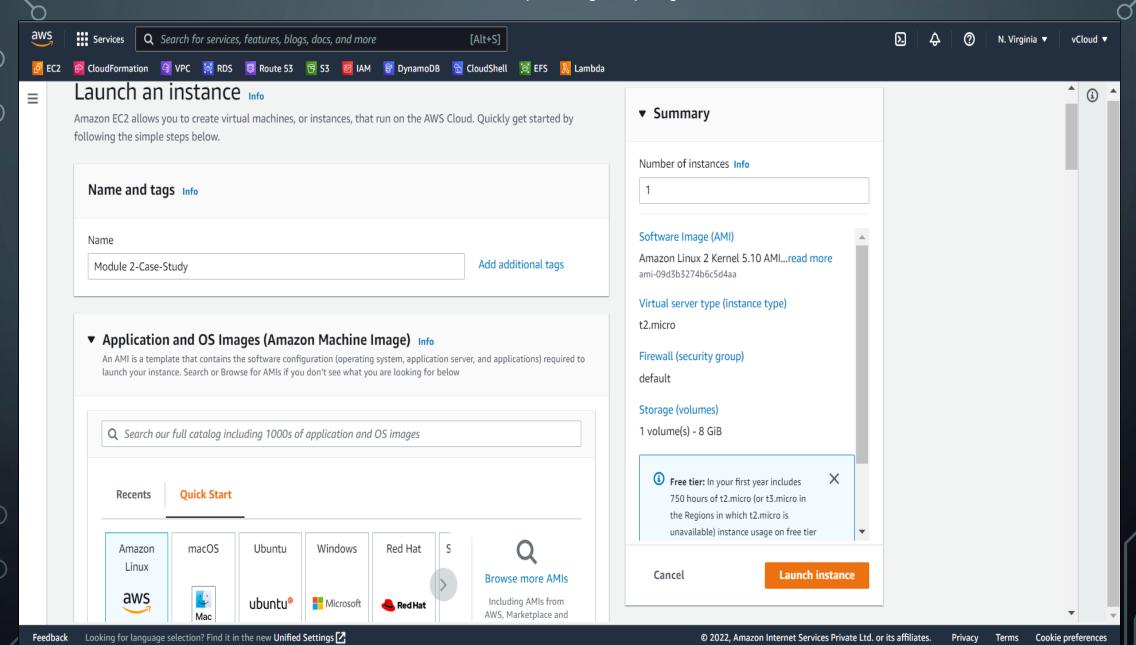




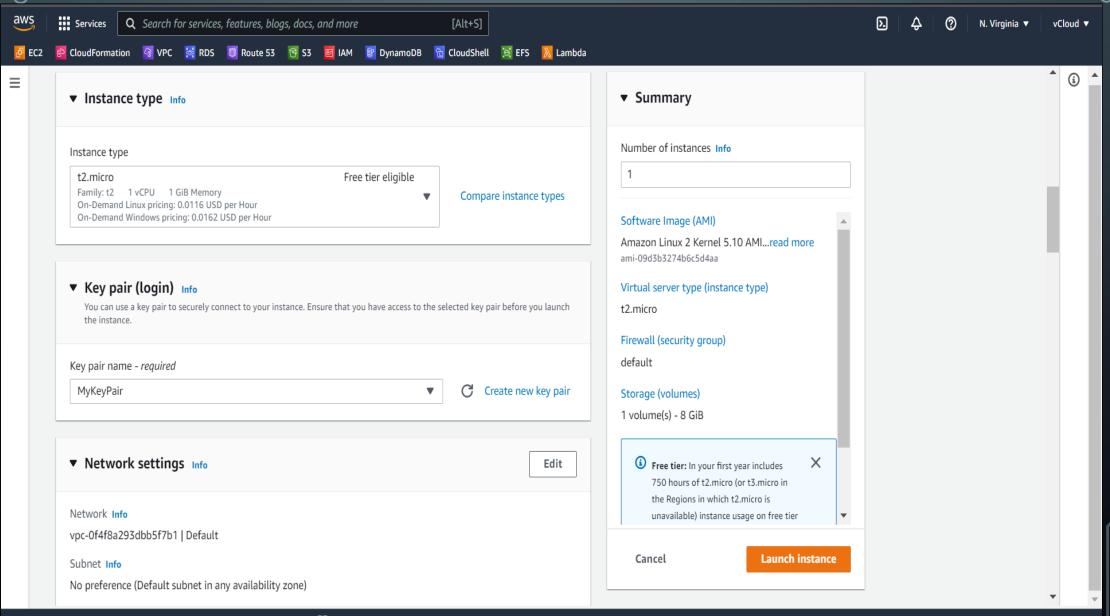
# PLAN OF ACTION

- > Create Linux EC2 instance under us-east-1 region with user data to create webserver quickly.
- > Create/add key pair & appropriate security group while creating EC2 instance.
- > Create an Image using above instance (Creating an Image will create a snapshot also)
- > Copy AMI to us-west-2 (Oregon) region (It will replicate AMI along with respective snapshots.
- > Create 2 each 10GB EBS volumes and attached it to us-east-1 instance.
- ➤ Login to instance & check for the newly added disk information using fdisk -1.
- > Delete one EBS after detaching it & extend the size of other EBS volume from 10G to 12G.
- > Take snapshot of 12GB EBS volume for backup purpose.

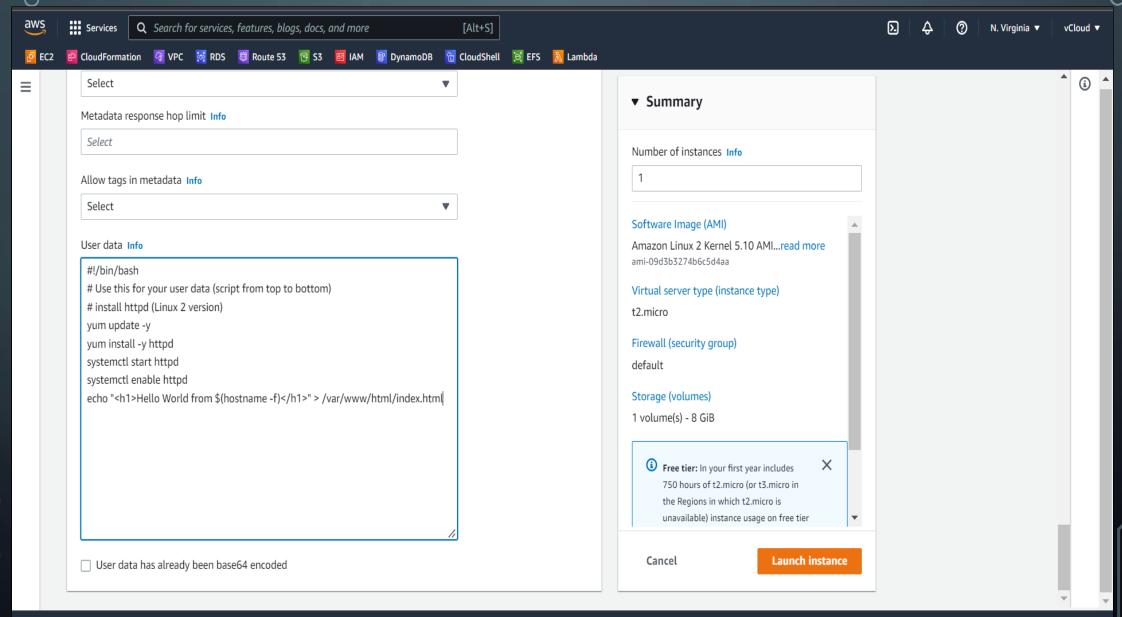
#### Launch Amazon Linux EC2 instance under us-east-1 (N. Virginia) region



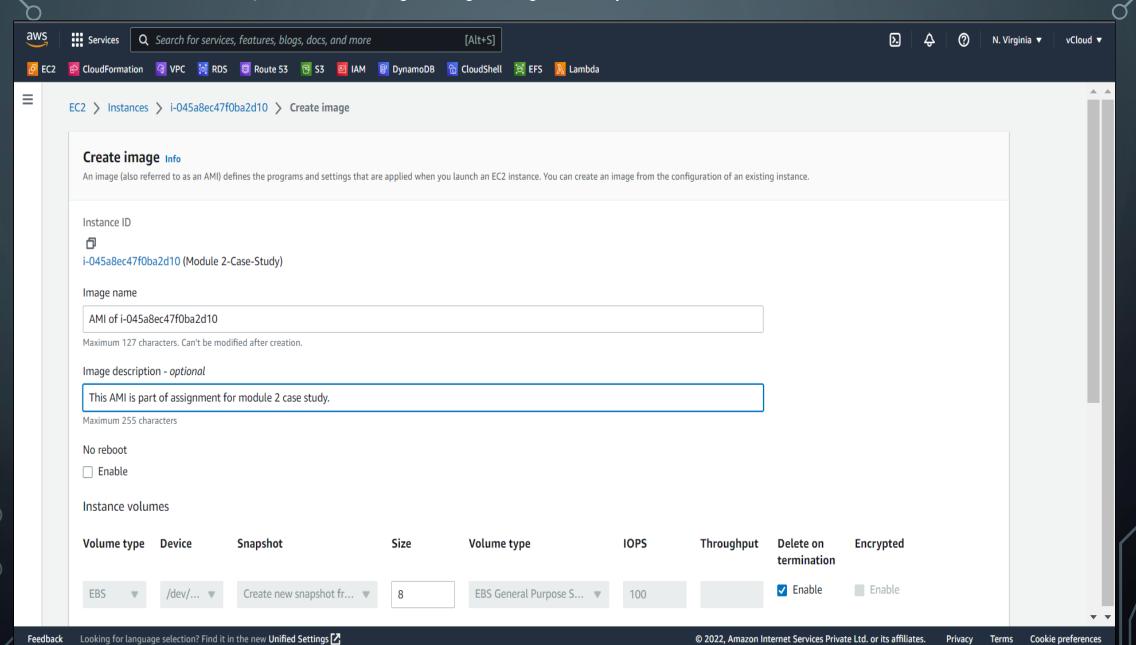
#### Add keypair to that instance



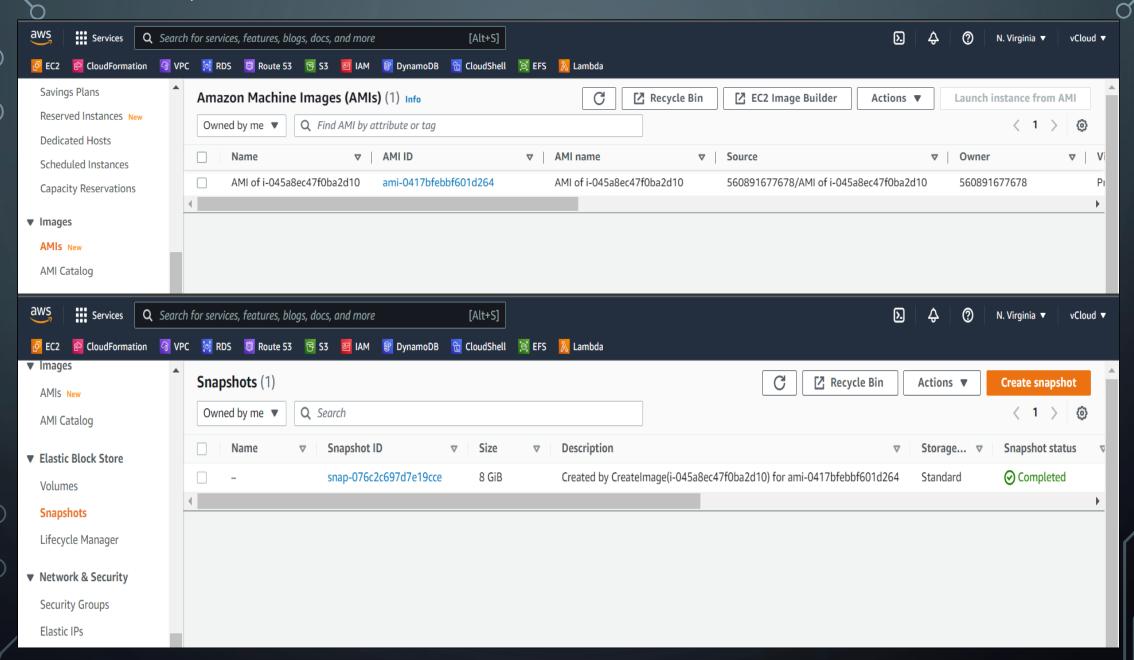
Add user data to make instance a webserver as per assignment.



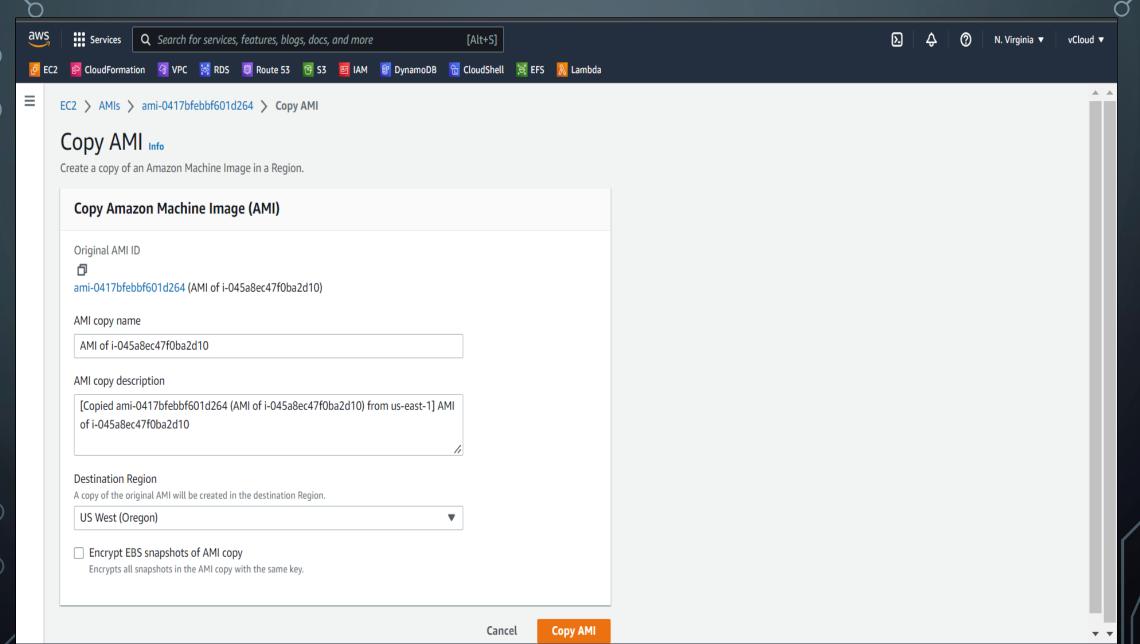
Once instance launched, create an image using "image & templates" under action tab.



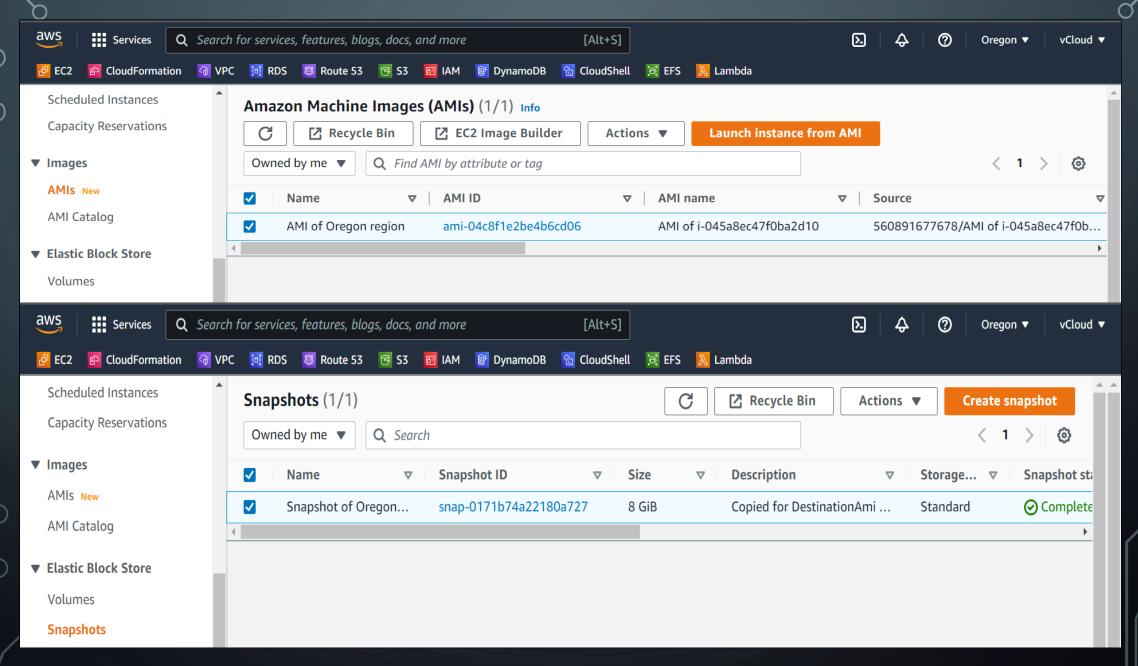
Under EC2>AMI/snapshots you will able to see created AMI along with it's snapshot.



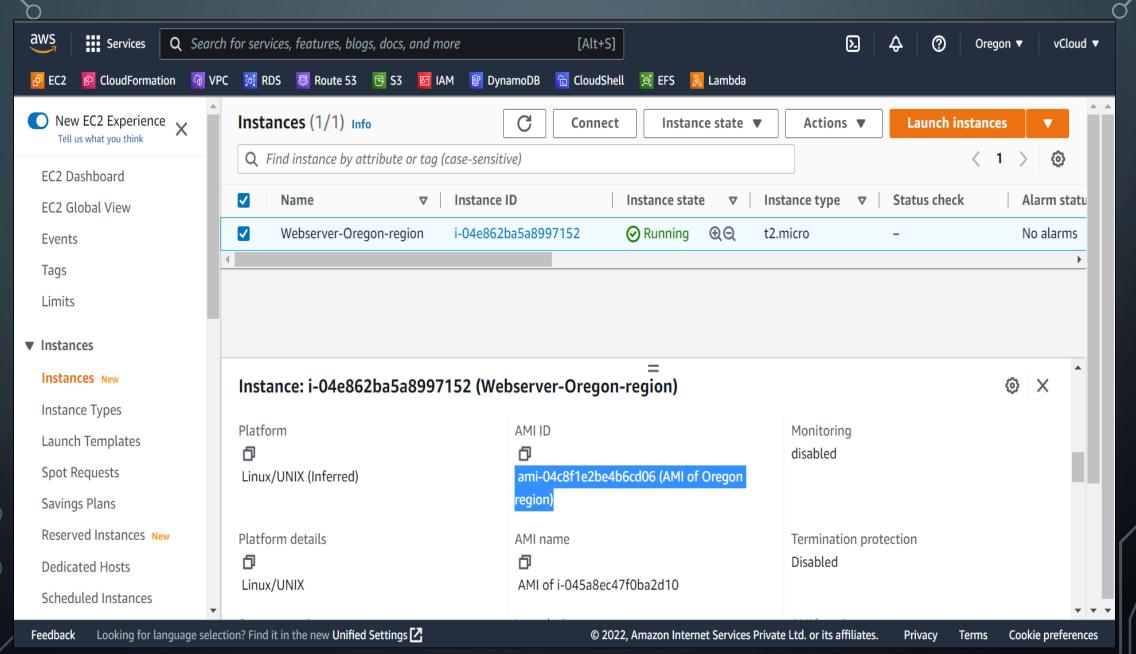
### Copy an AMI to Oregon region using action tab under EC2>AMI



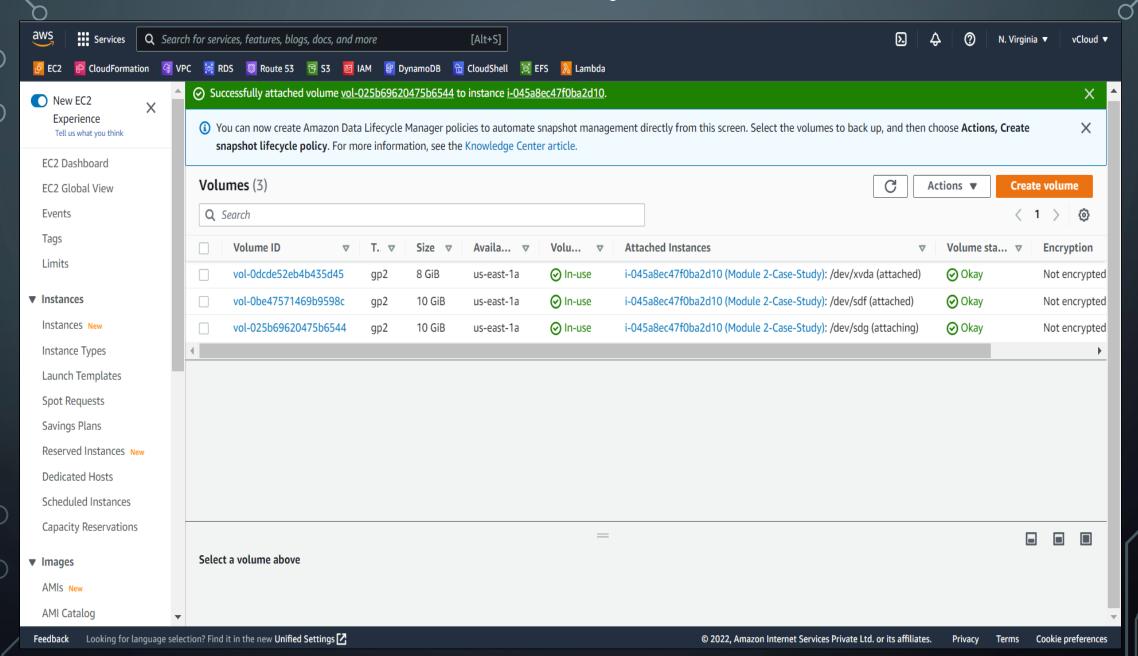
Go to respective region to check for availability of copied AMI & it's snapshots.



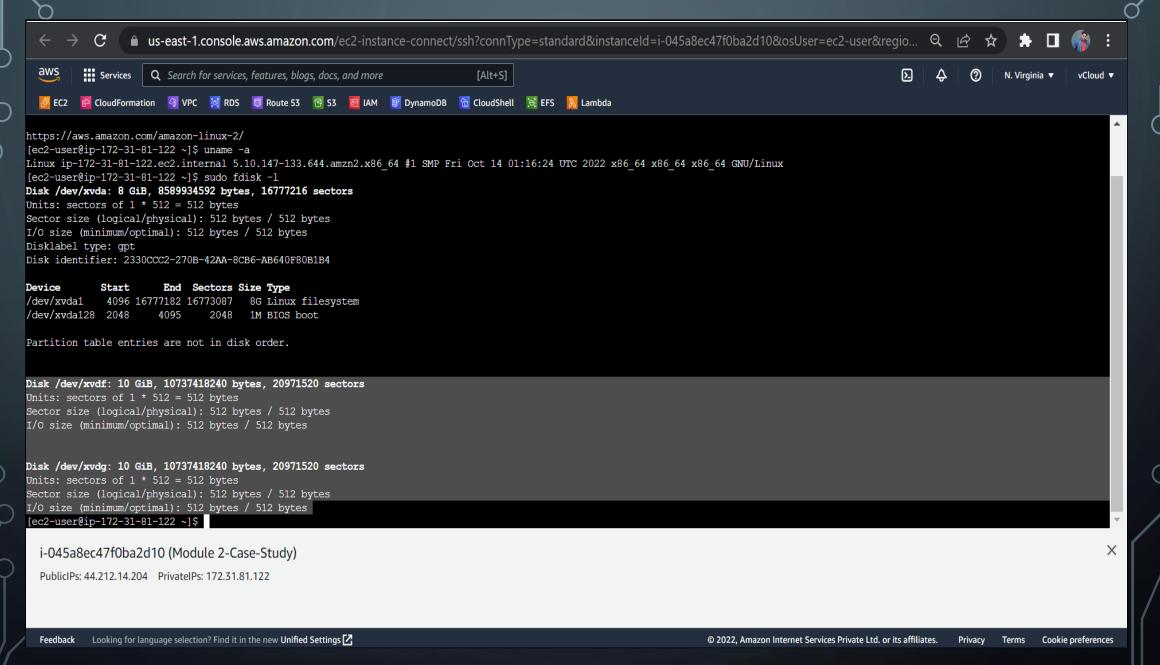
Launch an instance in Oregon region using AMI copied from us-east-1 region.



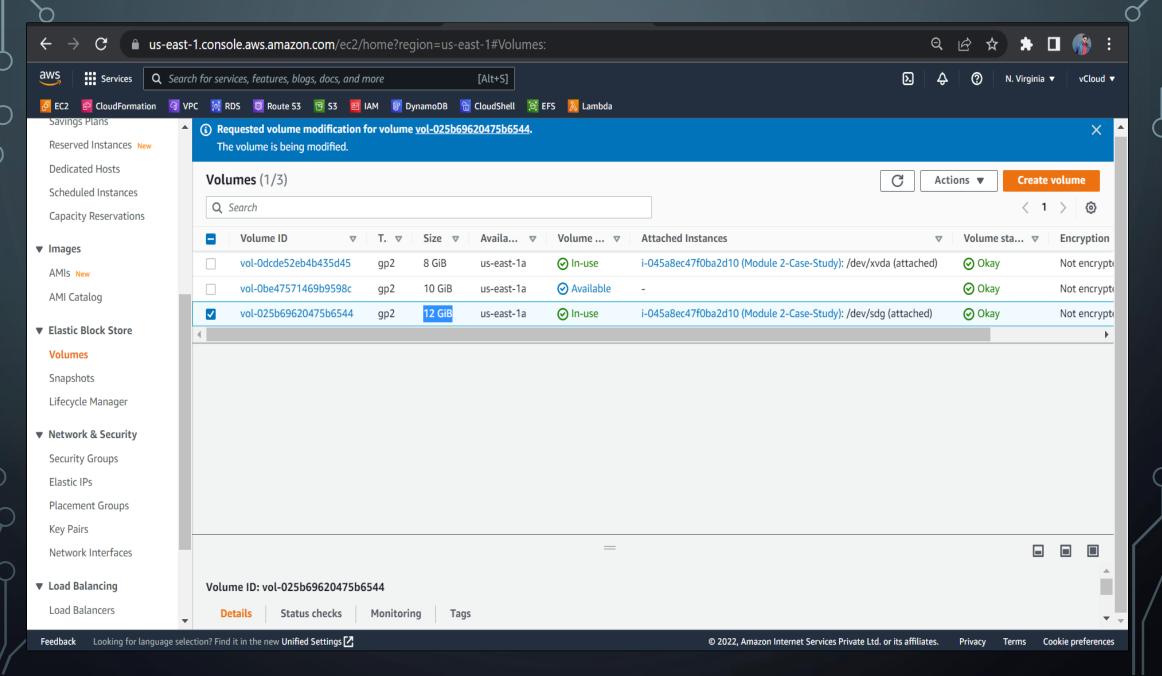
#### Create 2 EBS volumes each of 10GB & attached it to N. Virginia instance.



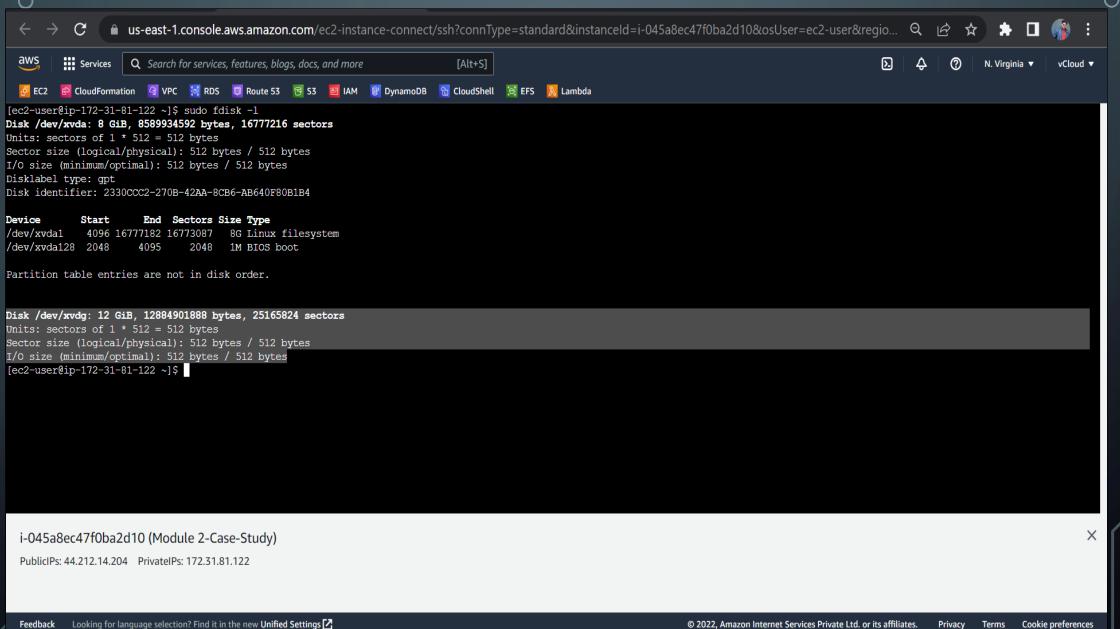
### Login to instance to check the availability of 2 newly attached EBS volume using fdisk -1.



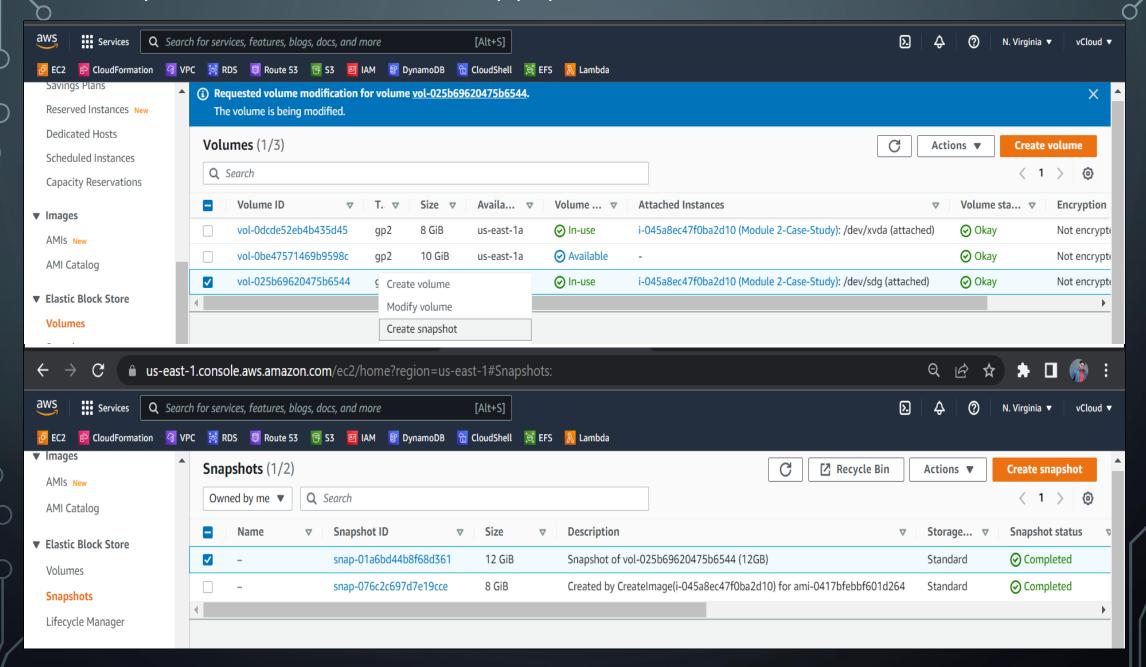
Detach one EBS volume and extend the size of other EBS volume from 10GB to 12GB.



### Go to instance console and check for update disk information (One EBS volume with the size of 12GB)



Create snapshot of 12GB EBS volume for backup purpose.





THANK YOU