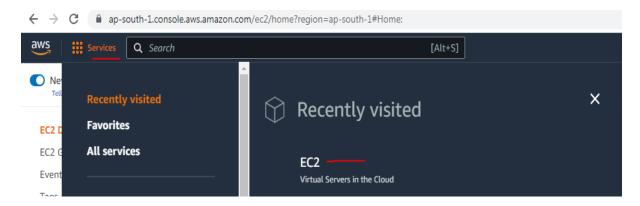
AWS Assignment 1

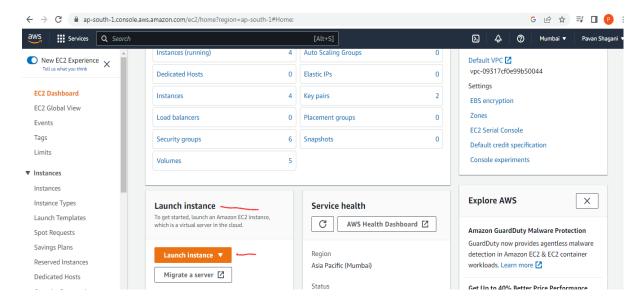
- 1. Create EC2 instance
- 2. Create Elastic Block store
- 3. Snapshot creation
- 4. AMI Creation
- 5. Load Balancer Creation

1.Creation of EC2 instance:

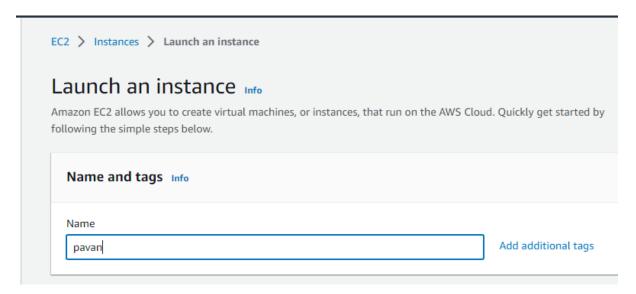
Click on EC2 service by browsing the Services



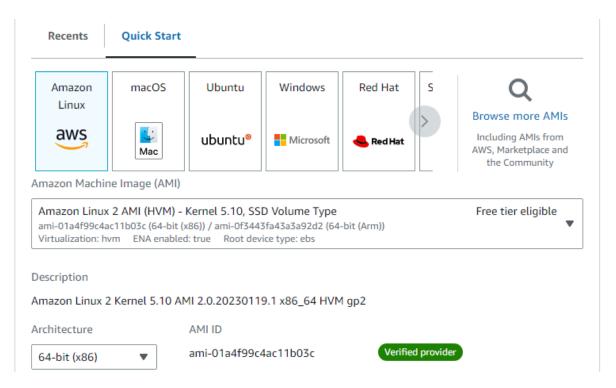
Click on Launch Instance



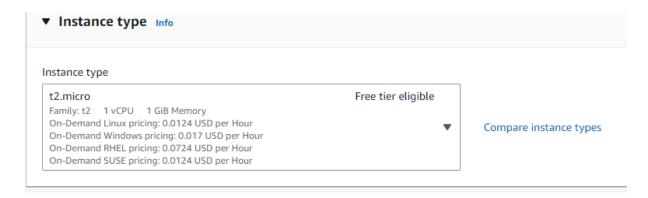
Provide the name of the instance, name if the instance is given as 'pavan'



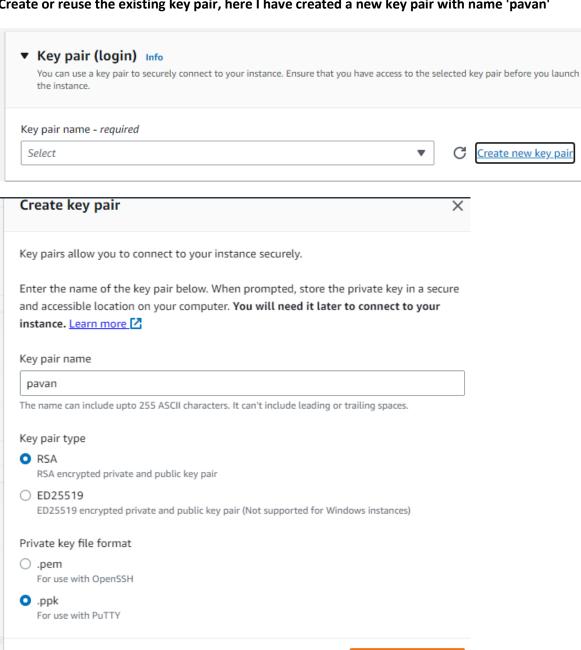
Selected Linux with Free Tier



t2.micro which is a free tier is selected as Instance Type



Create or reuse the existing key pair, here I have created a new key pair with name 'pavan'



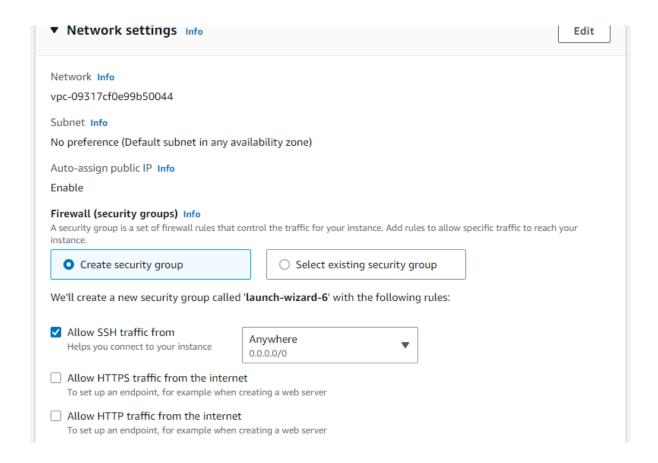
Cancel

Create key pair

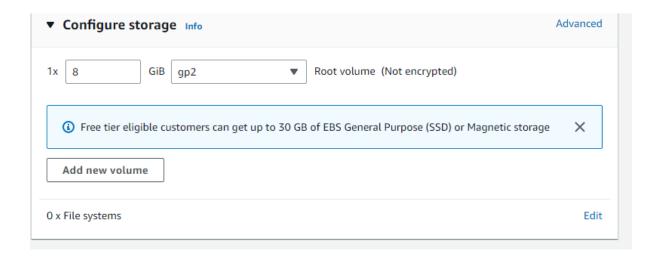
Here I created the key pair to use for the connection through Putty.

A PPK file is created in the local machine, which can be used to connect to machine from putty.

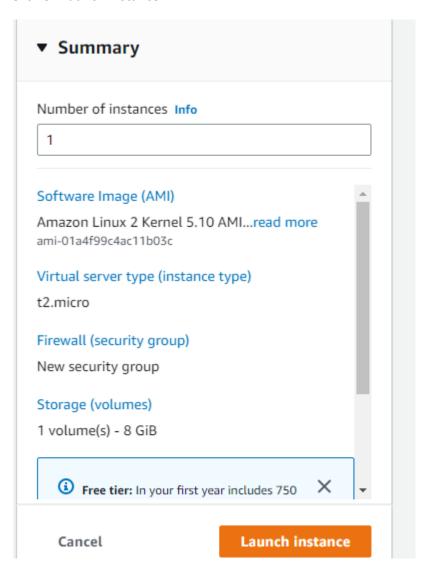
Selected default network settings

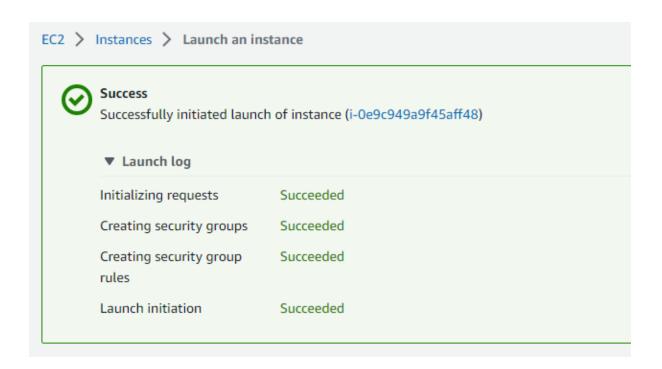


selected Default Storage settings



Click on Launch Instance

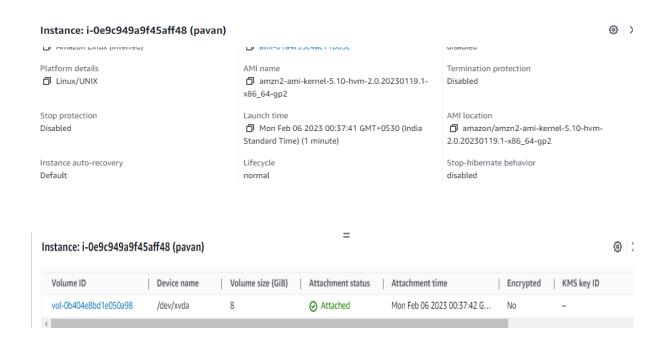




EC2 instance created with below details

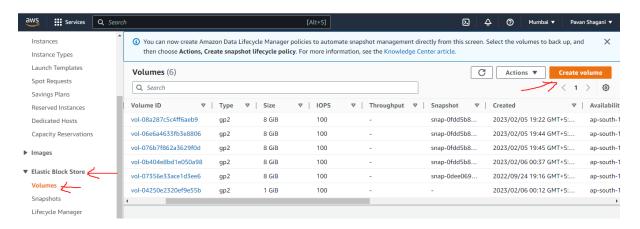
Instance ID i-0e9c949a9f45aff48

Instance Name pavan

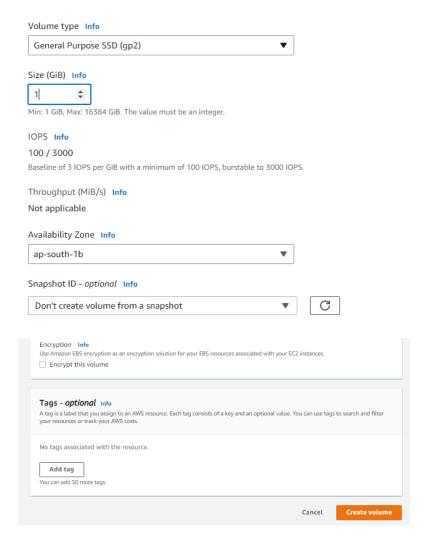


2. Elastic Block Storage:

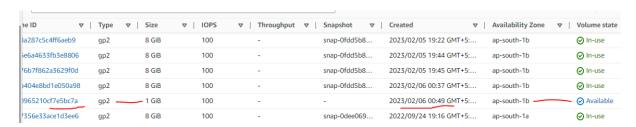
click on create volume under Elastick block store -> Volumes



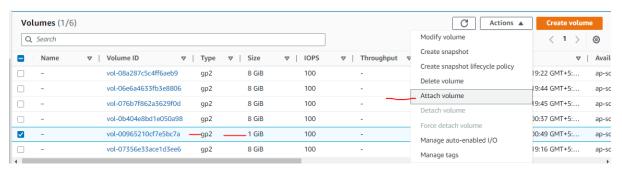
Give the size and select the Availability Zone, here I selected ap-south-1b, as instance is in same zone. Click on create Volume

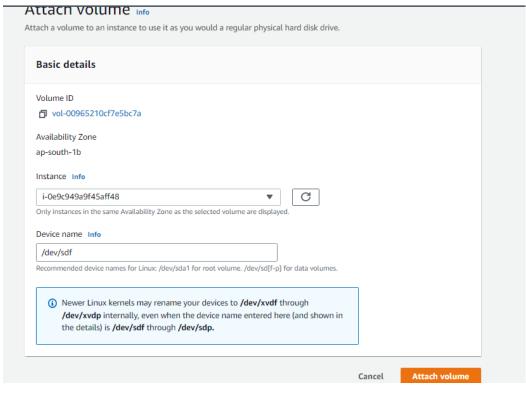


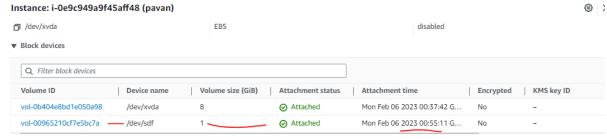
New volume is created and Available now



Attach the volume to Instance 'Pavan'







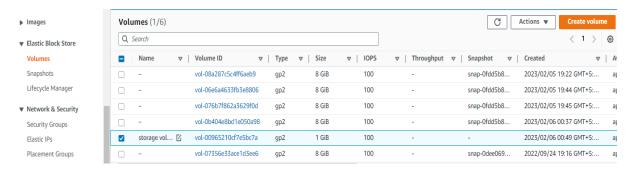
Verified by connecting from Putty, using Isblk command

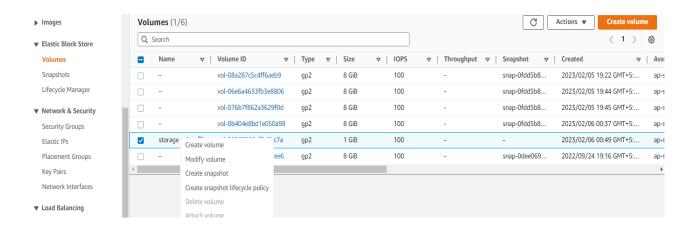
```
ec2-user@ip-172-31-8-87:~
   login as: ec2-user
  Authenticating with public key "pavan"
                     Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
14 package(s) needed for security, out of 14 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-8-87 ~]$ lsblk
        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
NAME
                     8G 0 disk
xvda
        202:0
                 0
                     8G
_xvda1 202:1
                         0 part /
                     1G
xvdf
        202:80
                         0 disk
[ec2-user@ip-172-31-8-87 ~]$
```

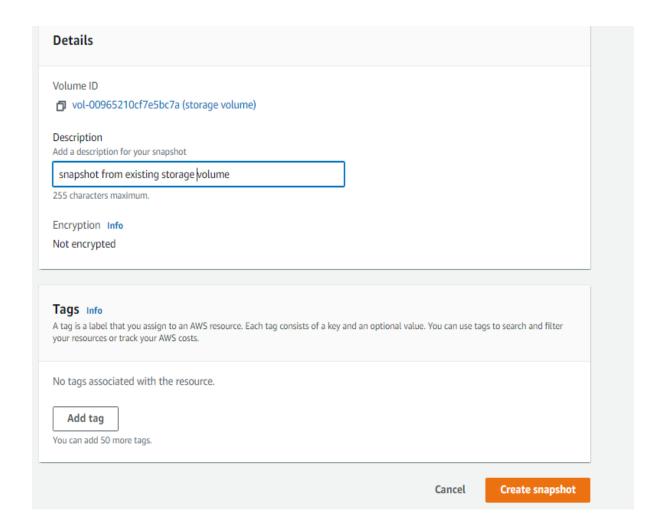
3. Snapshot Creation:

we can create in two ways

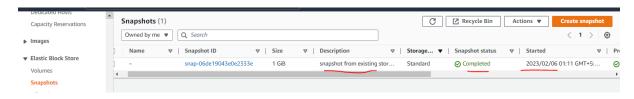
- 1. From Elastic Block store -> snapshot -> create snapshot
- 2. create from existing storage volume. Here I create the snapshot from existing volume





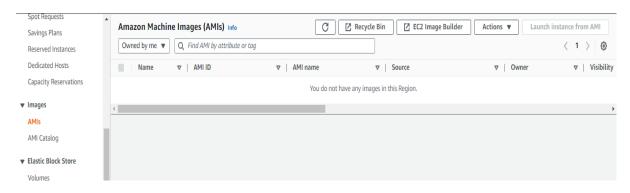


Snapshot created



AMI Creation:

go to Images -> AMIs



select public Images from the drop down to choose the available Images for AMI creation

Check the checkbox for the required Image from market place

Click on Launch Instance from AMI

