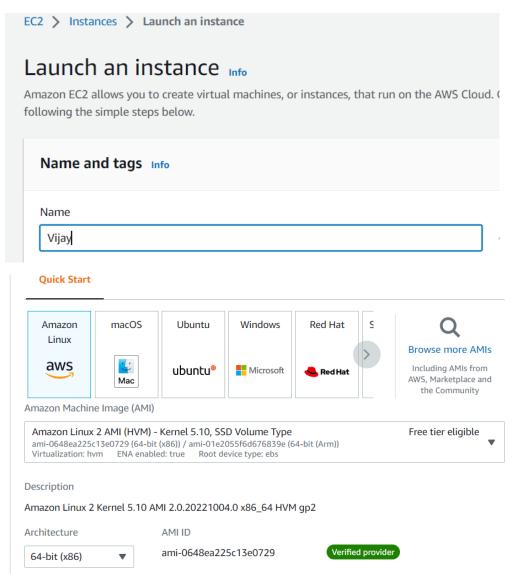
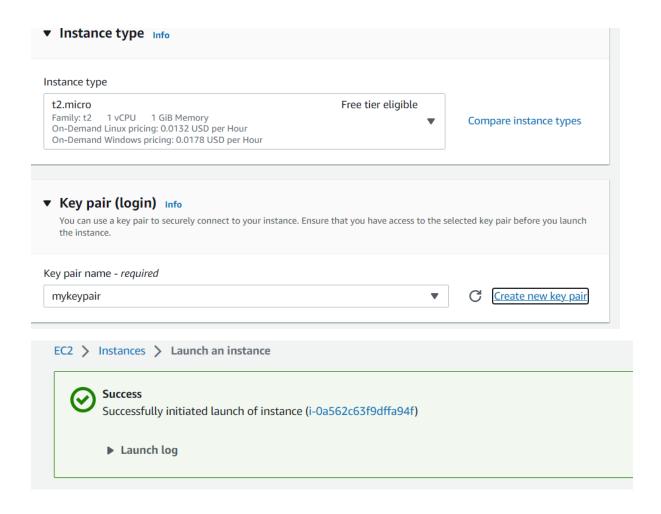
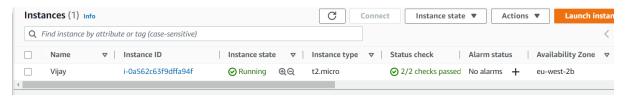
CD – AWS task for the day 19th Oct 2022

1. EC2 instances (2 machines - 1st machine - name, 2nd machine - surname)

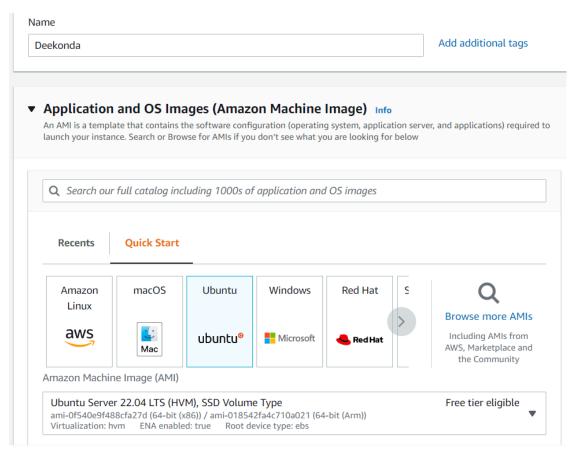


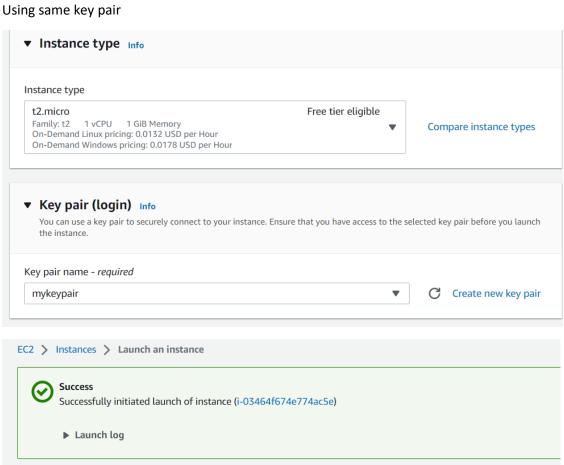


Instance with user name



Launching instance with Surname (Ubuntu machine)



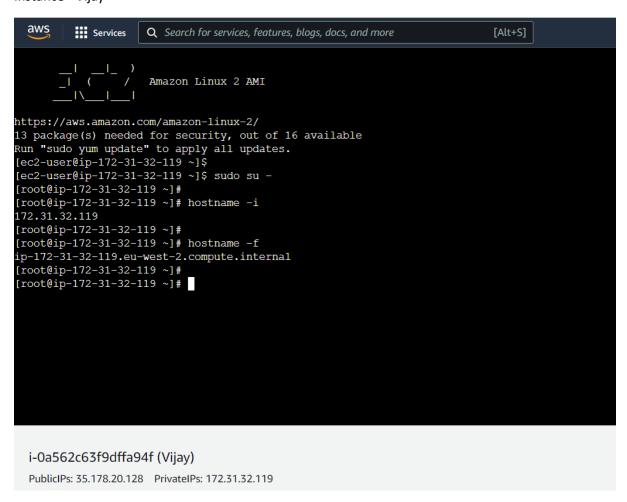


Two Instances with Name(Vijay) and Surname(Deekonda)



Test Connection

Instance - Vijay



Instance - Deekonda

```
Q Search for services, features, blogs, docs, and more
         Services
                                                                               [Alt+S]
  Swap usage:
0 updates can be applied immediately.
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-32-233:~$
ubuntu@ip-172-31-32-233:~$ sudo su -
root@ip-172-31-32-233:~#
root@ip-172-31-32-233:~#
root@ip-172-31-32-233:~# hostname -i
172.31.32.233
root@ip-172-31-32-233:~# hostname -f
ip-172-31-32-233.eu-west-2.compute.internal root@ip-172-31-32-233:~#
```

i-03464f674e774ac5e (Deekonda)

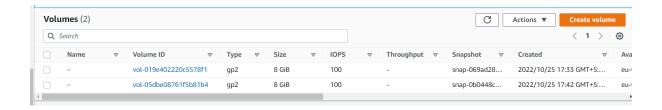
PublicIPs: 13.42.53.57 PrivateIPs: 172.31.32.233

2. EBS volume

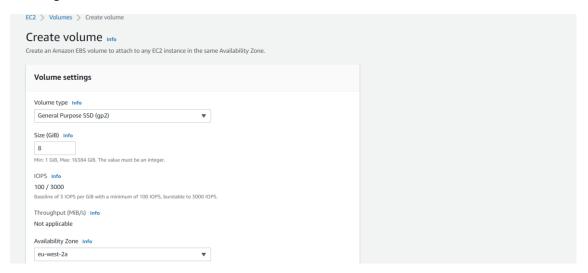
Checking volume before EBS

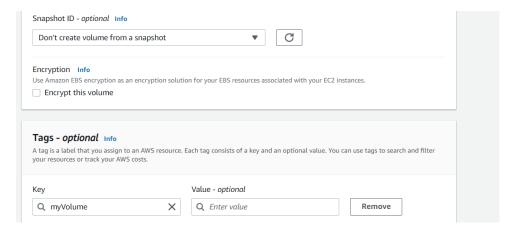
i-0a562c63f9dffa94f (Vijay)

PublicIPs: 35.178.20.128 PrivateIPs: 172.31.32.119

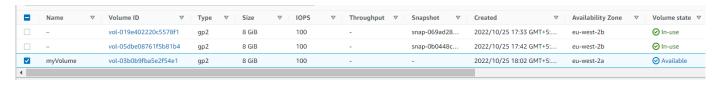


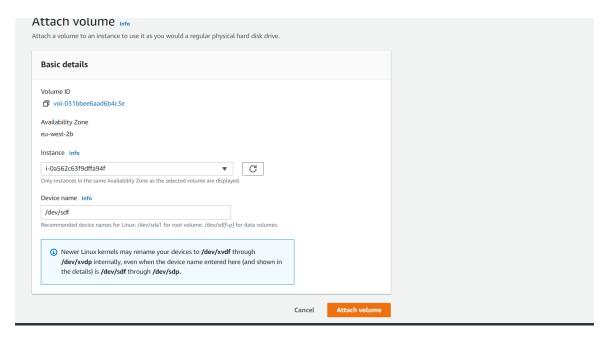
Creating volume





New volume is created and it is in available state





Isbsk output post attaching volume

```
[ec2-user@ip-172-31-32-119 ~]$ lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT

xvda 202:0 0 8G 0 disk

-xvda1 202:1 0 8G 0 part /

xvdf 202:80 0 8G 0 disk

[ec2-user@ip-172-31-32-119 ~]$

[ec2-user@ip-172-31-32-119 ~]$
```

i-0a562c63f9dffa94f (Vijay)

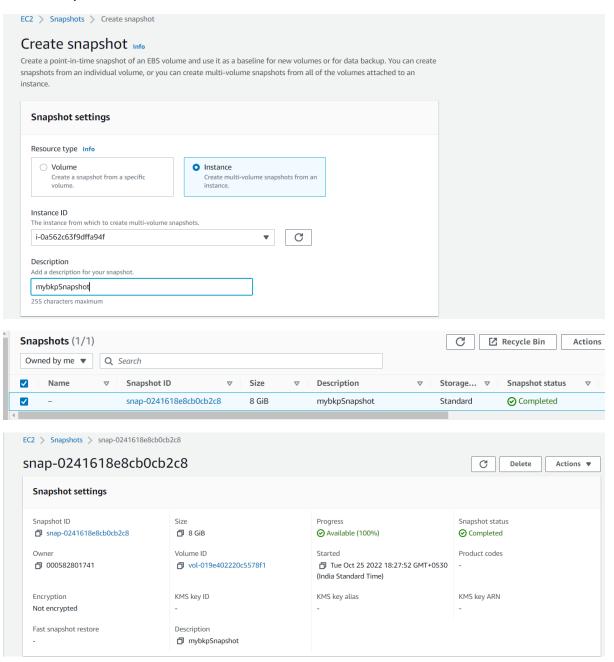
PublicIPs: 35.178.20.128 PrivateIPs: 172.31.32.119

```
neta-data=/dev/xvdf
                                               isize=512
                                                                agcount=4, agsize=524288 blks
                                                                  attr=2, projid32bit=1
                                               crc=1 finobt=1, sparse=0
bsize=4096 blocks=2097152, imaxpct=25
data
                                                                  swidth=0 blks
                                               sunit=0
                                               bsize=4096
                                                                  ascii-ci=0 ftype=1
naming
            =version 2
                                                                  blocks=2560, version=2
sunit=0 blks, lazy-count=1
            =internal log
                                               bsize=4096
log
                                               sectsz=512
realtime =none
                                               extsz=4096
                                                                  blocks=0, rtextents=0
[ec2-user@ip-172-31-32-119 ~]$ sudo mkdir /data
[ec2-user@ip-172-31-32-119 ~]$ sudo mount /dev/xvdf /data
[ec2-user@ip-172-31-32-119 ~]$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT xvda 202:0 0 8G 0 disk —xvdal 202:1 0 8G 0 part / xvdf 202:80 0 8G 0 disk /data [ec2-user@ip-172-31-32-119 ~]$ df -h
                      Size Used Avail Use% Mounted on
Filesystem
                                 0 474M
0 483M
devtmpfs
                      474M
                                                  0% /dev
tmpfs
                      483M
                                                  0% /dev/shm
                              412K 482M
tmpfs
                       483M
                                                  1% /run
                              0 483M 0% /sys/fs/cgroup
1.6G 6.5G 20% /
0 97M 0% /run/user/1000
tmpfs
                      483M
                      8.0G
/dev/xvda1
                       97M
tmpfs
/dev/xvdf 8.0G 41M 8.0
[ec2-user@ip-172-31-32-119 ~]$
                                41M 8.0G
                                                  1% /data
```

i-0a562c63f9dffa94f (Vijay)

PublicIPs: 35.178.20.128 PrivateIPs: 172.31.32.119

3. Snapshot

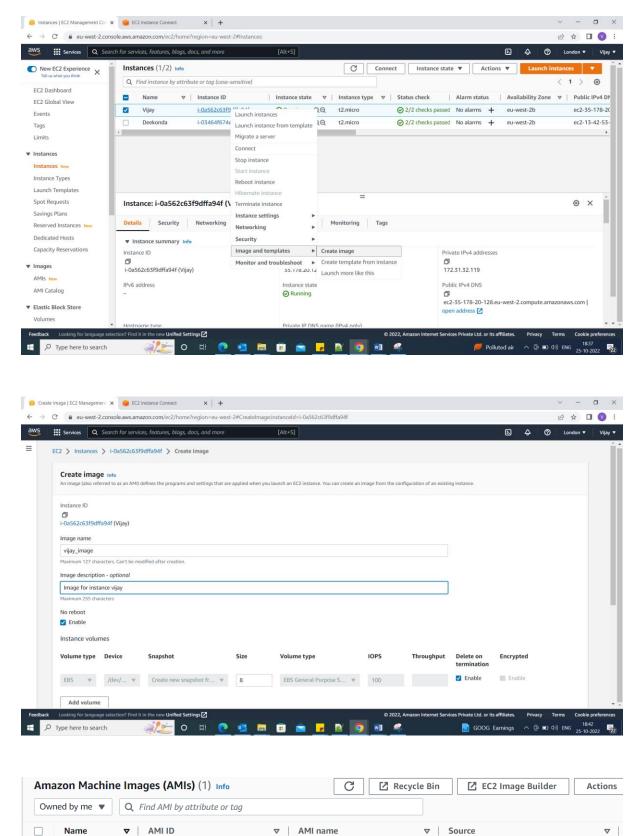


4. AMI

Name

4

ami-0de6b6eb8b16861bb



vijay_image

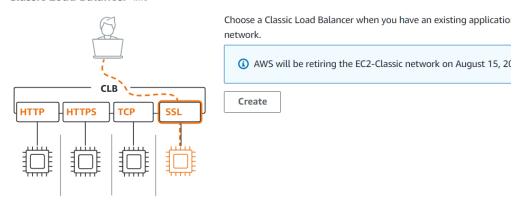
000582801741/vijay_image

5. Load Balancer



▼ Classic Load Balancer - previous generation

Classic Load Balancer Info



Step 1: Define Load Balancer

Basic Configuration

This wizard will walk you through setting up a new load balancer. Begin by giving your new load balancer a unique name so that you can identify it from other load balancers your need to configure ports and protocols for your load balancer. Traffic from your clients can be routed from any load balancer port to any port on your EC2 instances. By default, vibalancer with a standard web server on port 80.



Step 2: Assign Security Groups

You have selected the option of having your Elastic Load Balancer inside of a VPC, which allows you to assign security groups to your load balancer. Please select the securit load balancer. This can be changed at any time.



Step 3: Configure Security Settings



Create Tag

Improve your load balancer's security. Your load balancer is not using any secure listener.

If your traffic to the load balancer needs to be secure, use either the HTTPS or the SSL protocol for your front-end connection. Y listeners under Basic Configuration section. You can also continue with current settings.

Step 4: Configure Health Check Your load balancer will automatically perform health checks on your EC2 instances and only route traffic to instances that pass the health check. If an instance fails the removed from the load balancer. Customize the health check to meet your specific needs. Ping Protocol HTTP Ping Port 80 Ping Path /index.html **Advanced Details** Response Timeout (i) 5 seconds Interval (i) 30 seconds Unhealthy threshold (i) 2 4 Healthy threshold (i) Step 5: Add EC2 Instances The table below lists all your running EC2 Instances. Check the boxes in the Select column to add those instances to this load balancer. VPC vpc-0ffe128cd26969d07 (172.31.0.0/16) State Security groups Zone Subnet ID → Subnet CIDR i-0a562c63f9dffa94f Vijay running launch-wizard-1 eu-west-2b subnet-0da489e... 172.31.32.0/20 i-03464f674e774ac5e Deekonda running launch-wizard-2 eu-west-2b subnet-0da489e... 172.31.32.0/20 Availability Zone Distribution ☑ Enable Cross-Zone Load Balancing (j) ✓ Enable Connection Draining i 300 seconds Step 6: Add Tags Apply tags to your resources to help organize and identify them. A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. Learn r Value Key MyLB loadbalencer

