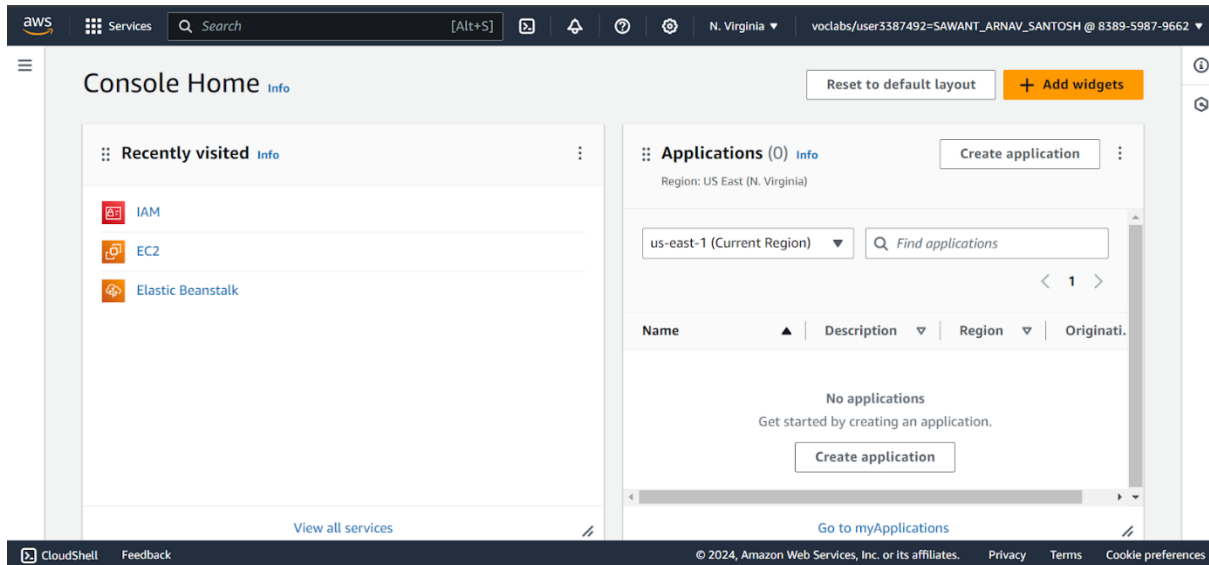


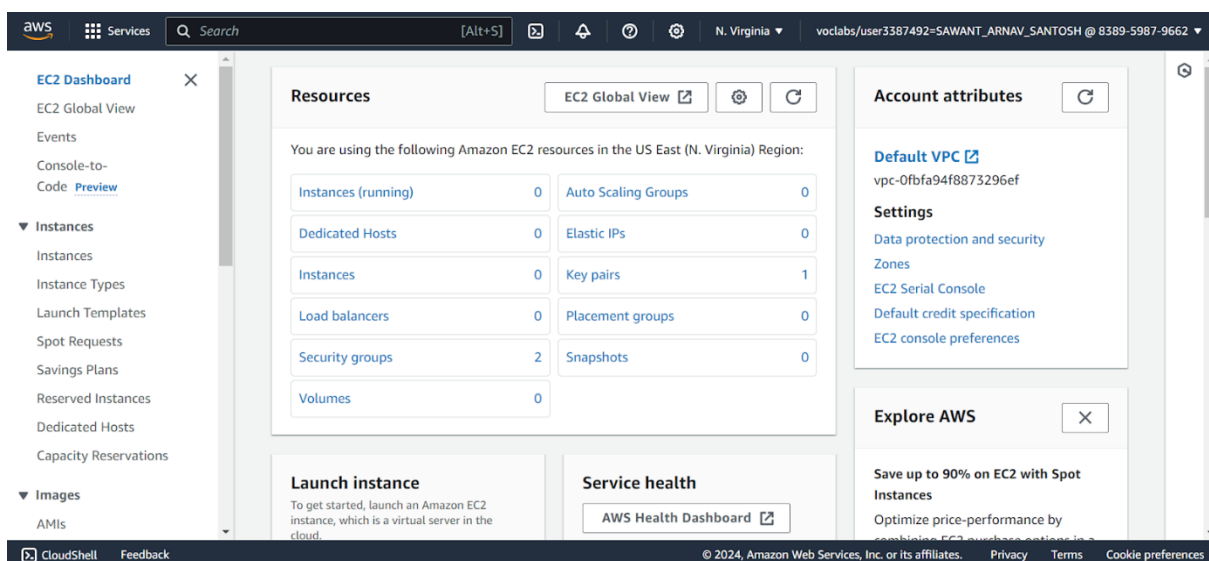
Aim: Exp 1 To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and Perform Collaboration Demonstration.

Code and Output:-

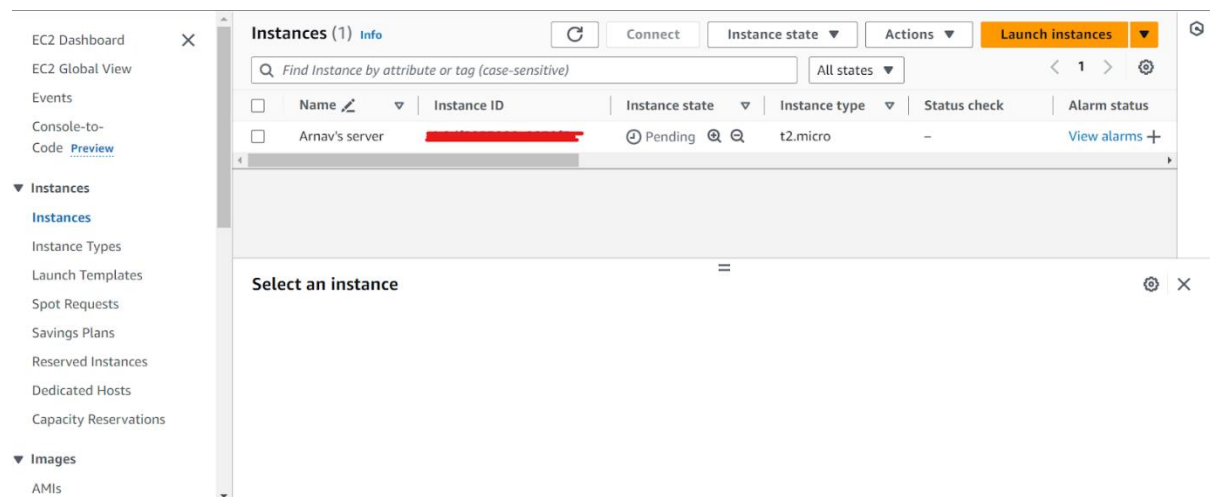
1. Login to your AWS account



2. Click on EC2 and then create an instance by clicking on instances



3. After an instance is created wait for it to come to Running state



4. After doing that you will see this UI

```
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro

System information as of Fri Aug  2 15:21:24 UTC 2024

System load:  0.1              Processes:            107
Usage of /:   10.5% of 14.46GB  Users logged in:     0
Memory usage: 20%              IPv4 address for enX0: 172.31.93.207
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
```

5. Follow these steps and then run these commands

```

ubuntu@ip-172-31-93-207:~$ sudo su
root@ip-172-31-93-207:/home/ubuntu# sudo app update
sudo: app: command not found
root@ip-172-31-93-207:/home/ubuntu# sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [265 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [317 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [82.7 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [5640 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [318 kB]

```

```

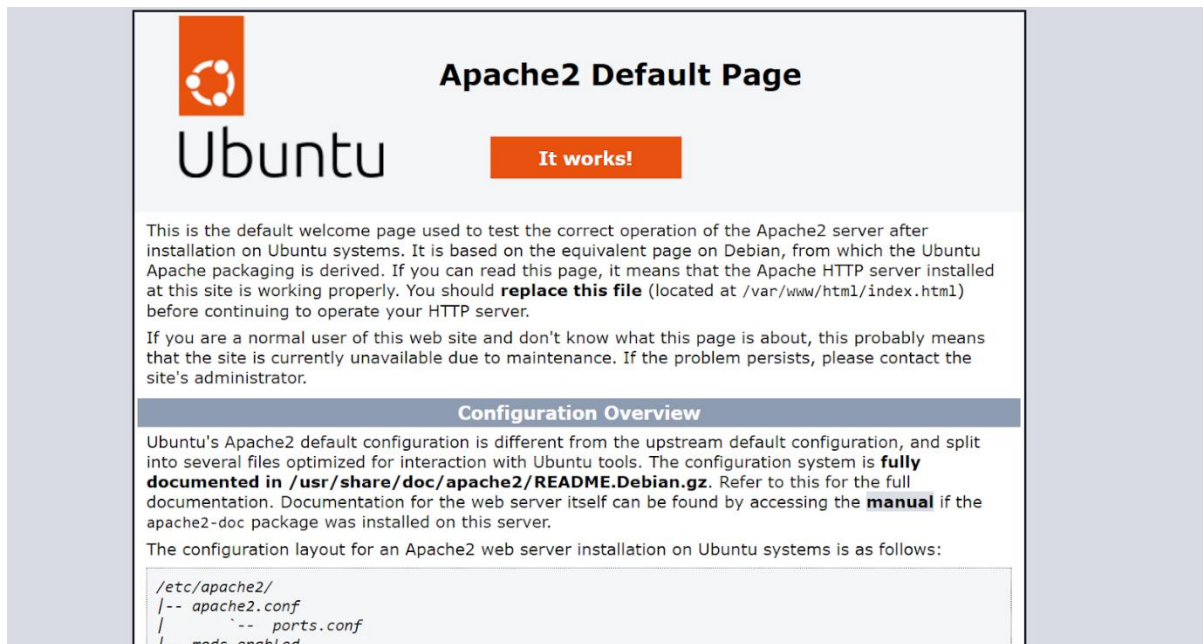
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-93-207:/home/ubuntu# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Fri 2024-08-02 15:25:01 UTC; 59s ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 2468 (apache2)
      Tasks: 55 (limit: 1130)
     Memory: 5.4M (peak: 5.7M)
        CPU: 40ms
    CGroup: /system.slice/apache2.service
            └─2468 /usr/sbin/apache2 -k start
              └─2471 /usr/sbin/apache2 -k start
                └─2472 /usr/sbin/apache2 -k start

Aug 02 15:25:01 ip-172-31-93-207 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Aug 02 15:25:01 ip-172-31-93-207 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-93-207:/home/ubuntu# cd /var/www/html/
root@ip-172-31-93-207:/var/www/html# 

```

6. After that the ip-address which was given while running the instance, copy that and paste that on chrome, make sure that it is http and not https



7. Create a file using vi command and save it using :wq

```
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Fri 2024-08-02 15:25:01 UTC; 59s ago
     Docs: https://httpd.apache.org/docs/2.4/
  Main PID: 2468 (apache2)
    Tasks: 55 (limit: 1130)
   Memory: 5.4M (peak: 5.7M)
      CPU: 40ms
   CGroup: /system.slice/apache2.service
           └─2468 /usr/sbin/apache2 -k start
             └─2471 /usr/sbin/apache2 -k start
               └─2472 /usr/sbin/apache2 -k start

Aug 02 15:25:01 ip-172-31-93-207 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Aug 02 15:25:01 ip-172-31-93-207 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-93-207:/home/ubuntu# cd /var/www/html/
root@ip-172-31-93-207:/var/www/html# vi index.html
root@ip-172-31-93-207:/var/www/html# vi arnav.html
root@ip-172-31-93-207:/var/www/html# vi arnav.html
root@ip-172-31-93-207:/var/www/html# vi arnav.html
root@ip-172-31-93-207:/var/www/html#
```

8. After saving that file go that page where ubuntu is listed and then on the link add “/your_file_name.html” and then whatever you saved on that file will be displayed



Arnav recently hosted a website