

## Assignment 1

**Aim-** To study and create a EC2 Machine in AWS

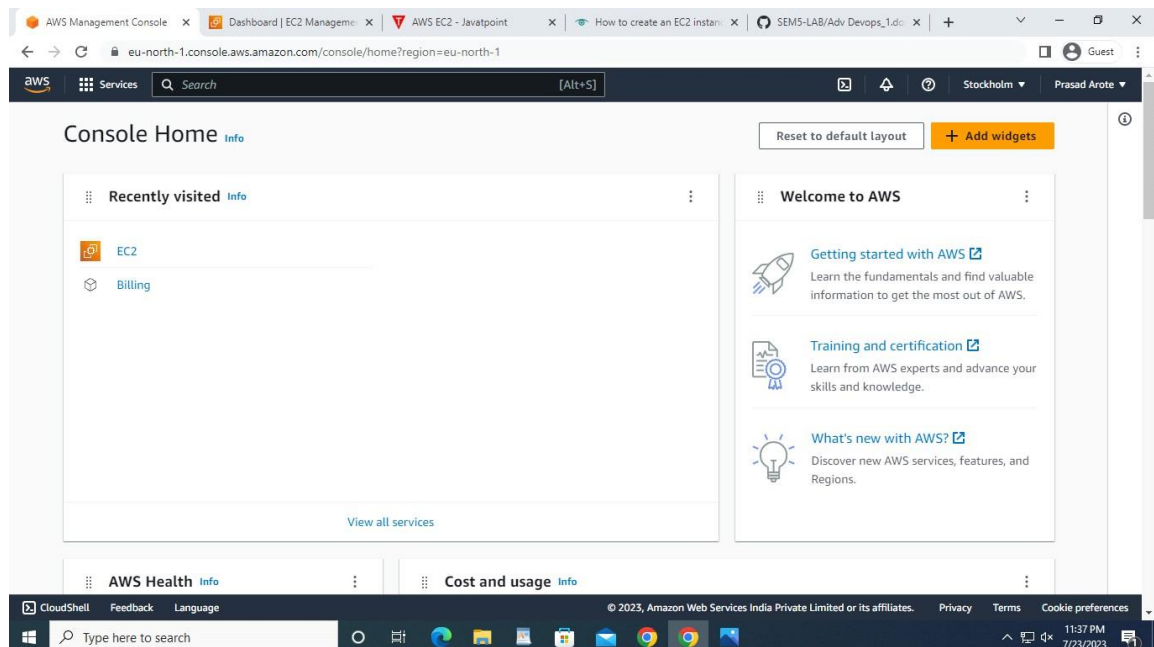
### **THEORY-**

Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides secure, resizable compute capacity in the cloud. It is designed to make web-scale cloud computing easier for developers.

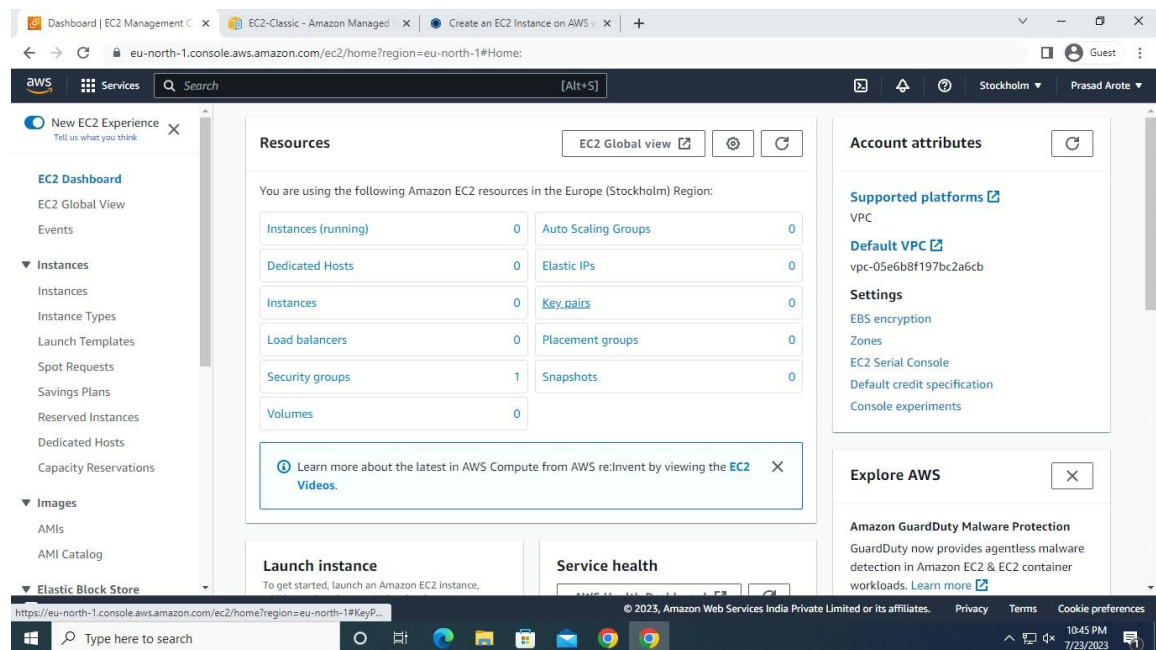
### **STEPS-**

LOGIN TO AWS ACCOUNT,

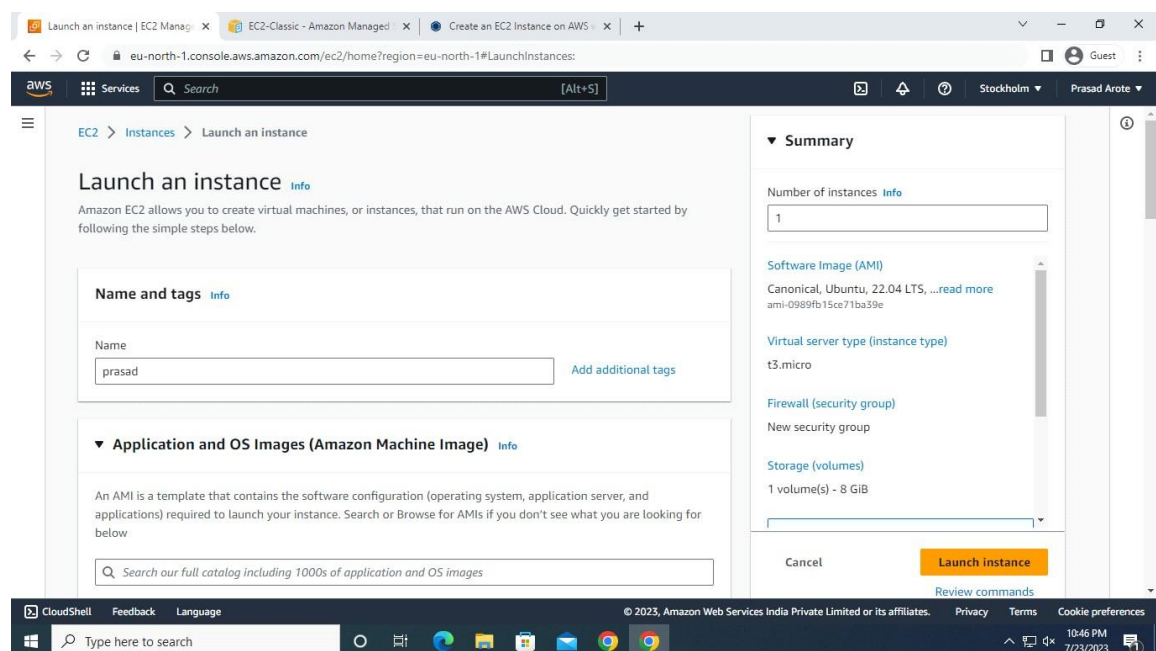
THEN SEARCH EC2.



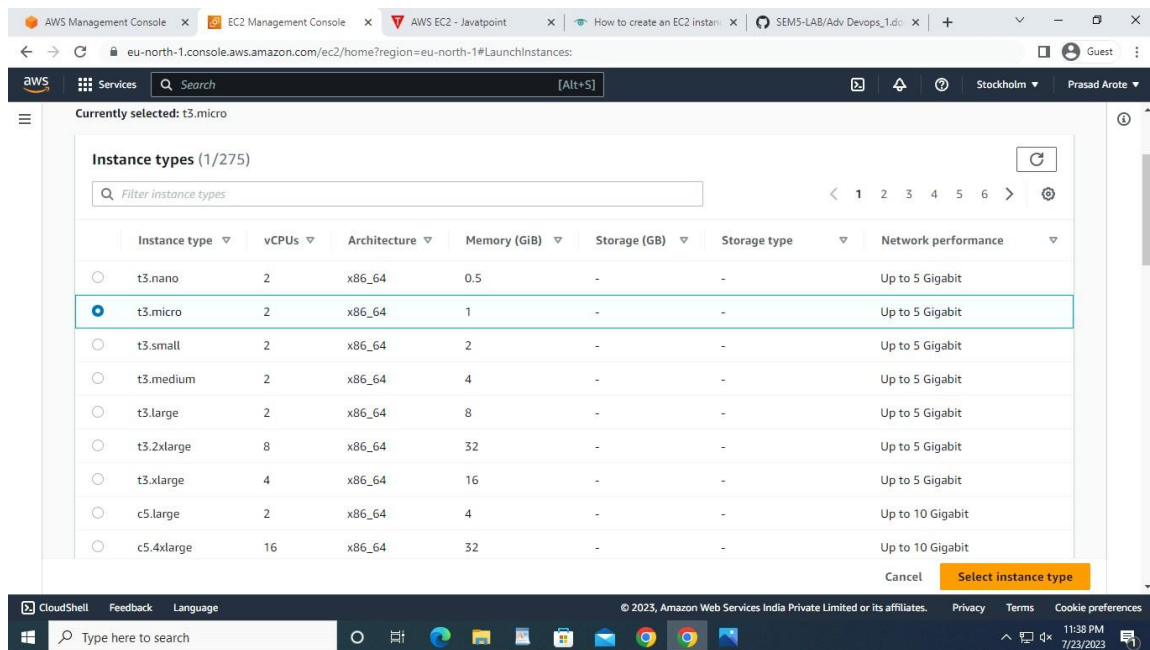
NOW CLICK ON LAUNCH / CREATE NEW INSTANCES.



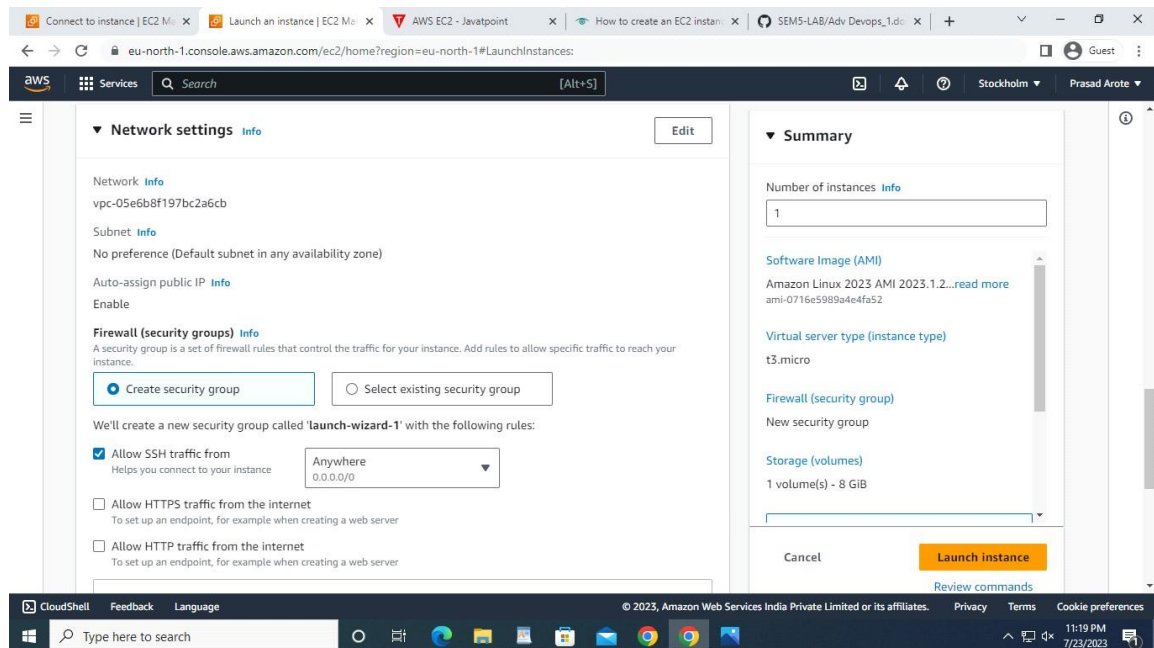
Choose any machine you want to create here I am creating UBUNTU(free tier).



Click on T2 micro (free tier one)



Click on NEXT, then Again Click Next.

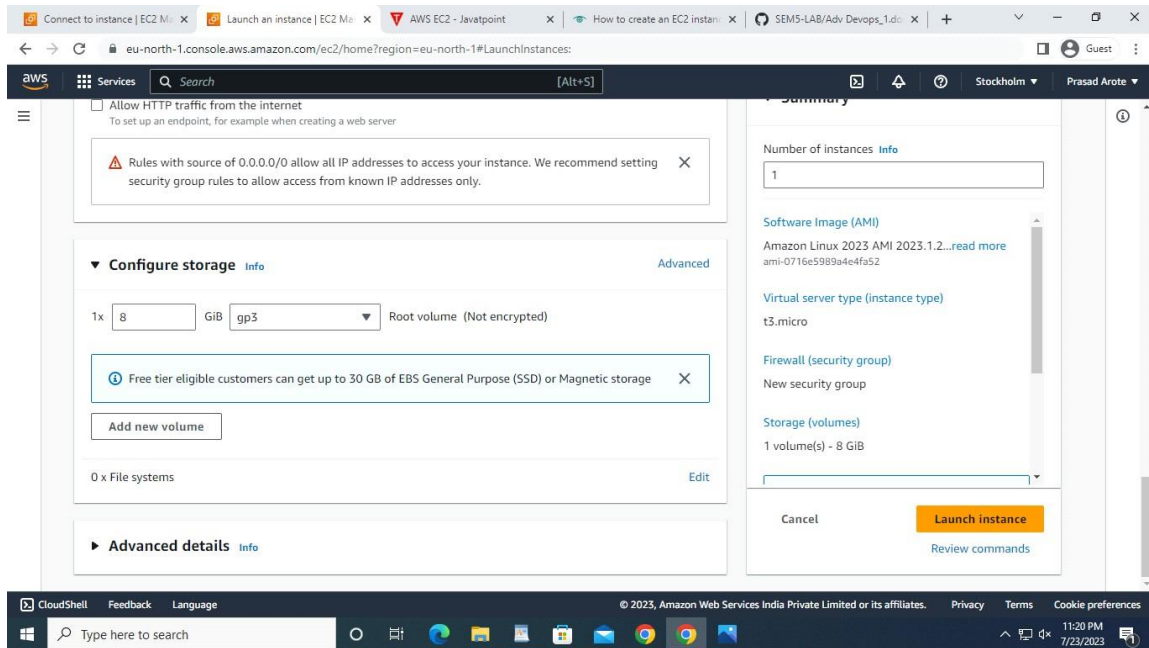


THEN CREATE A KEY PAIR BY ANY NAME AND DOWNLOAD IT. THEN CLICK NEXT

Now add security group ALL TRAFFIC ,

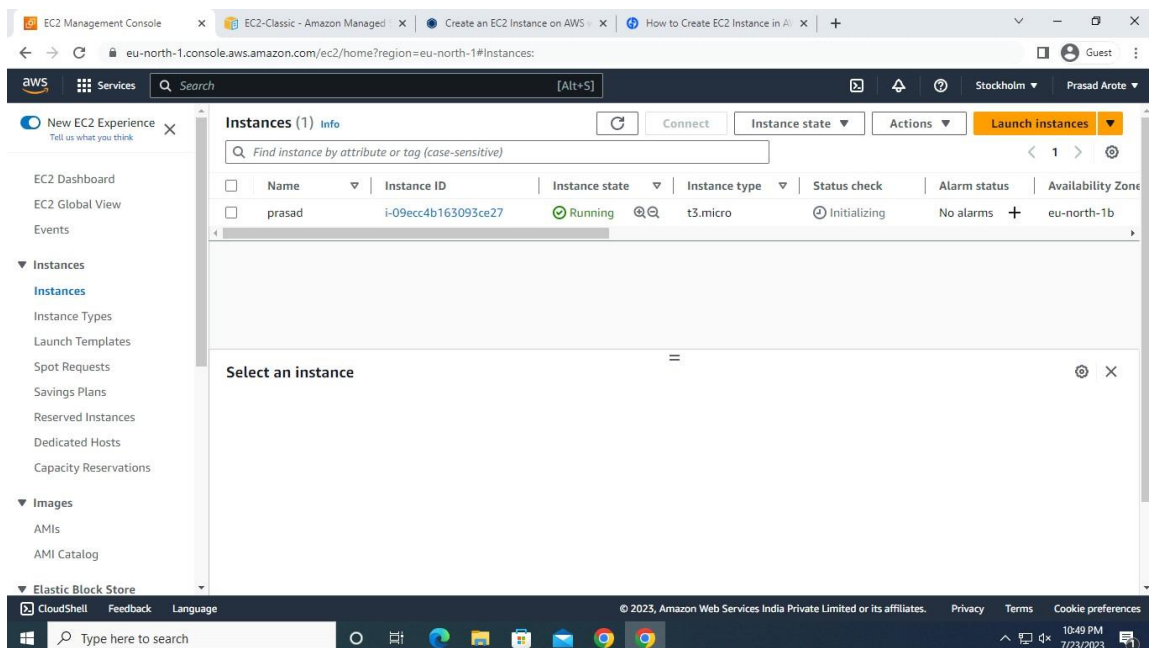
PROTOCOL – ALL,

SOURCE- ANYWHERE.

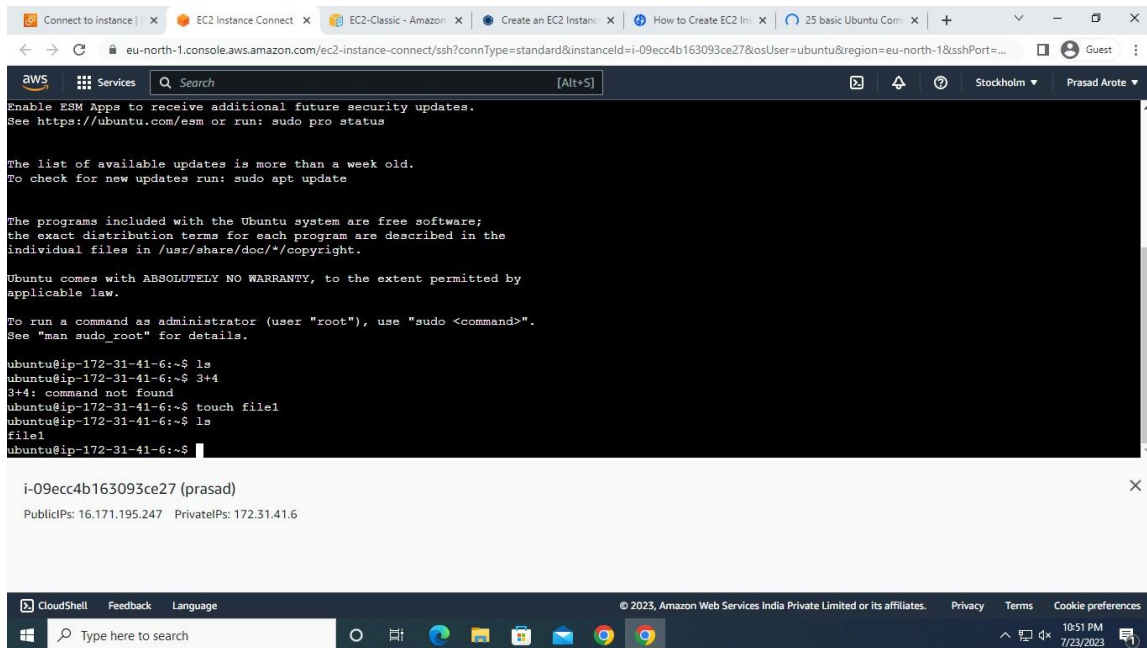


NOW WAIT TILL THE STATUS CHECK IS 2/2 and Instance is running.

Once Check is complete click on launch instances.



FOLLOW SOME BASIC LINUX COMMANDS AS SHOWN BELOW-



The screenshot shows a web browser window with multiple tabs. The active tab is titled "eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-09ecc4b163093ce27&osUser=ubuntu&region=eu-north-1&sshPort=...". The browser address bar shows the URL. The main content area displays a terminal window with the AWS logo and a search bar. The terminal output shows the following text:

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

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-172-31-41-6:~$ ls
ubuntu@ip-172-31-41-6:~$ 3+4
3+4: command not found
ubuntu@ip-172-31-41-6:~$ touch file1
ubuntu@ip-172-31-41-6:~$ ls
file1
ubuntu@ip-172-31-41-6:~$
```

Below the terminal window, there is a box containing the instance ID "i-09ecc4b163093ce27 (prasad)" and the public IP address "PublicIPs: 16.171.195.247". The bottom of the screenshot shows the Windows taskbar with the search bar, task view button, and several application icons. The system tray shows the date and time as "10:51 PM 7/23/2023".

**CONCLUSION** – HENCE LEARNED AND IMPEMETED THE STEPS TO CREATE AN EC2 MACHINE.