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Roll no: A026

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Msc SDS Batch 1

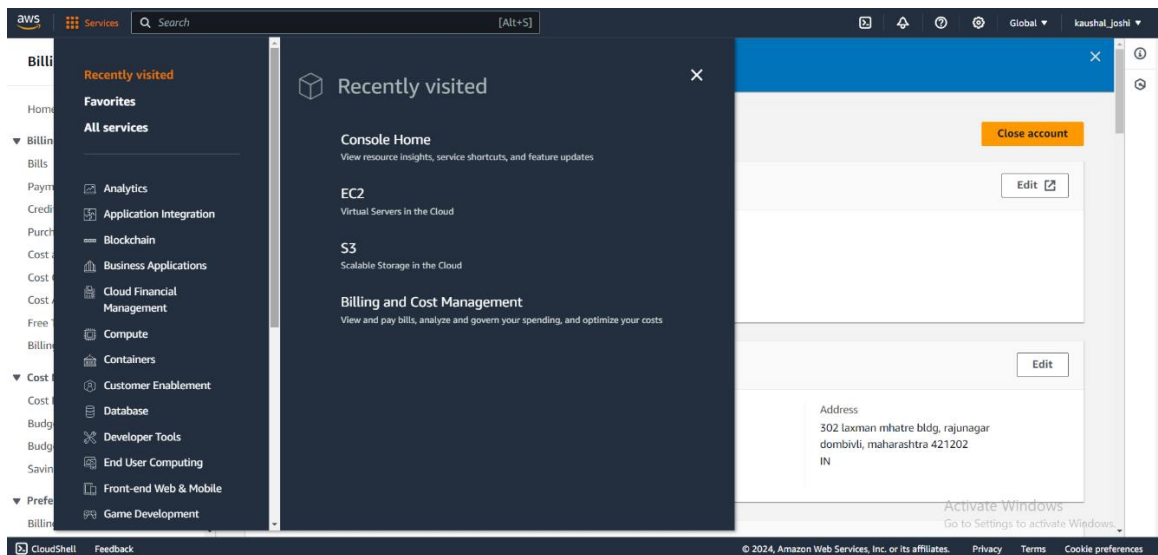
Cloud Computing Prac 1

1) Implement the Ubuntu machine using AWS EC2 and execute the Linux commands.

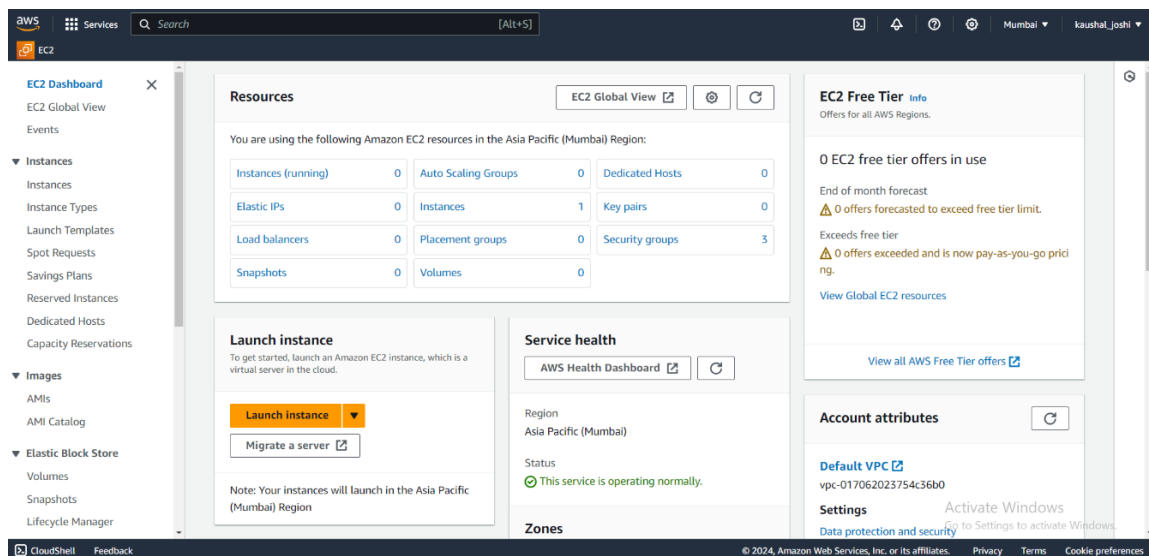
Steps:

Open Amazon Web Services (AWS) and login into the services.

Click on EC2.

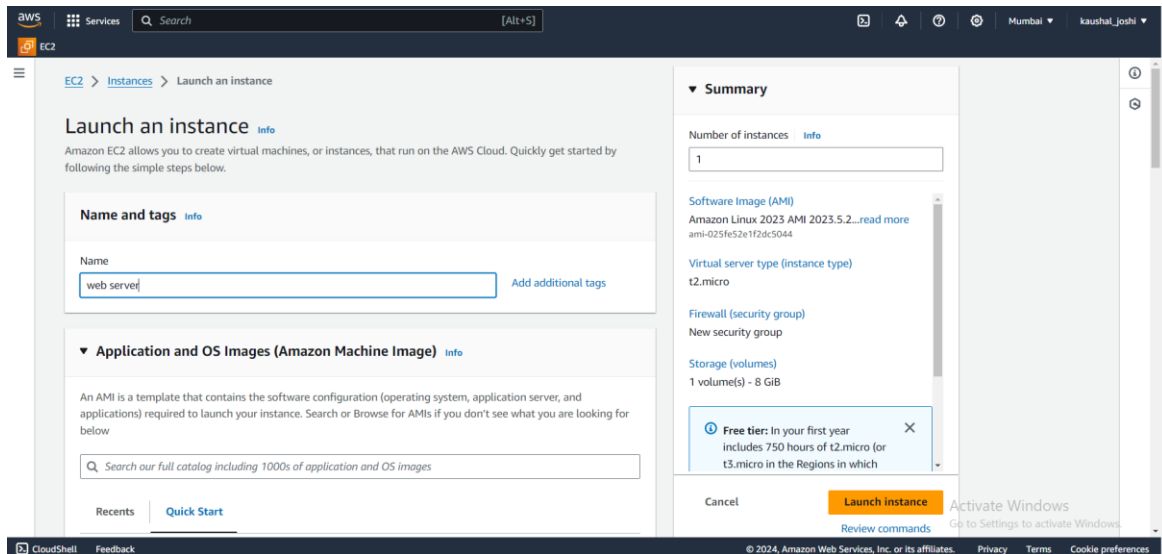


The EC2 dashboard window will open.

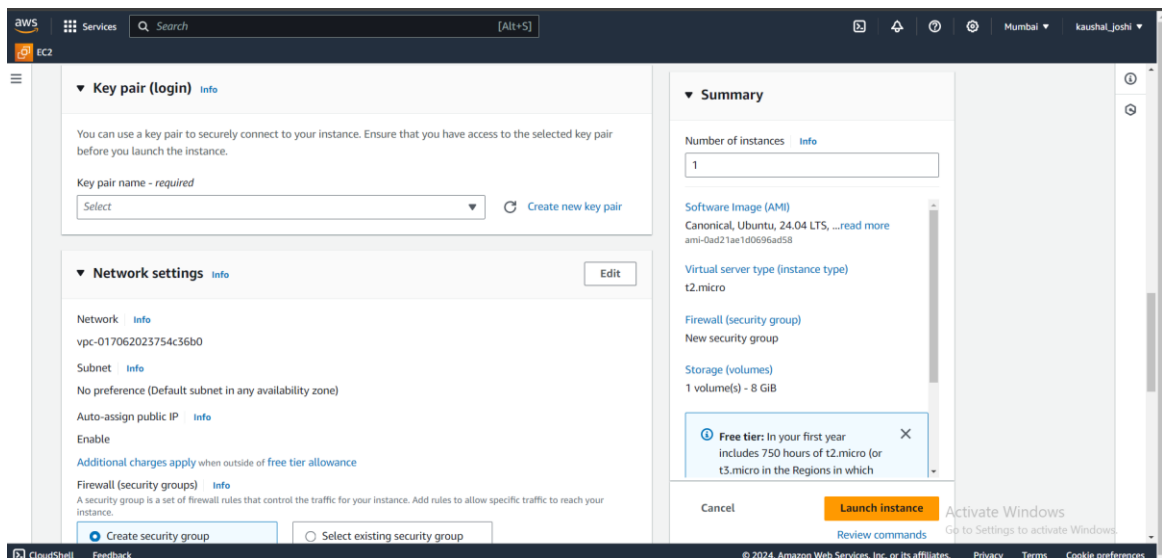


Click on Launch instance.

Give the name to the instance and select the Ubuntu option.

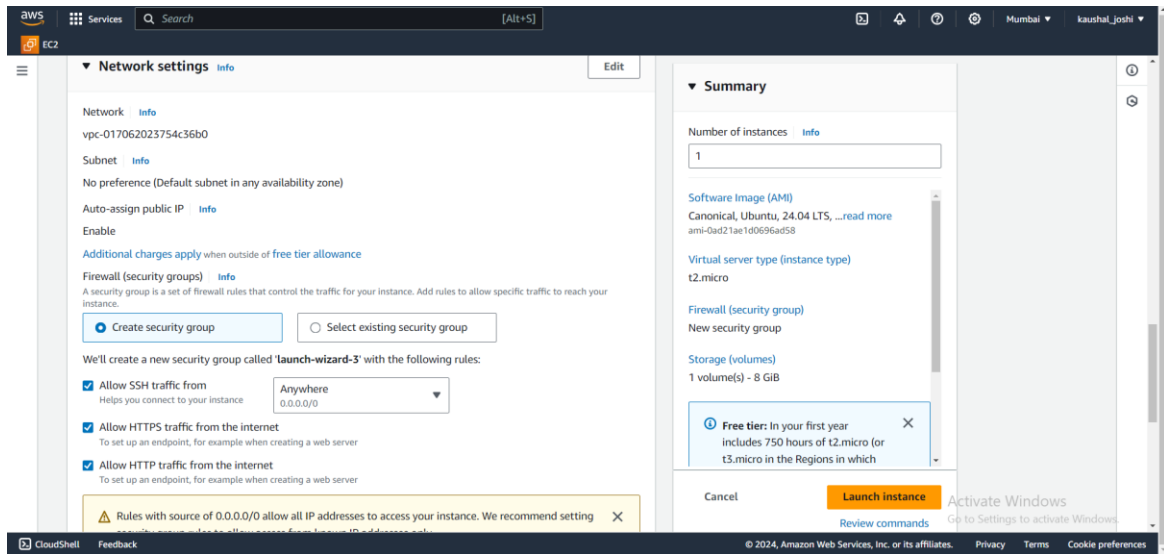


In the key pair create new key pair

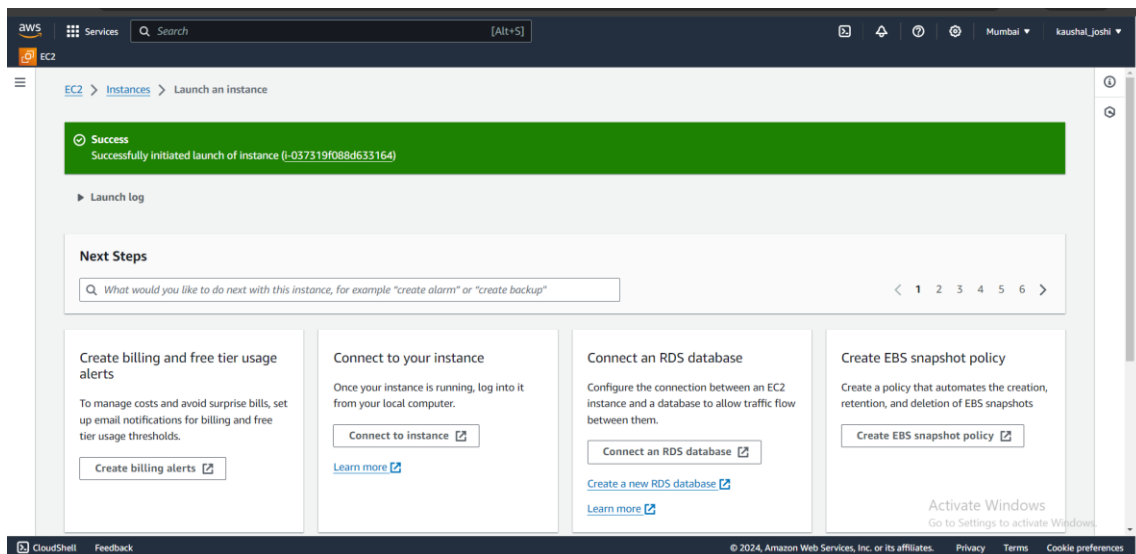


Scroll down and select all the three options i.e Allow SSH, HTTPS, HTTP.

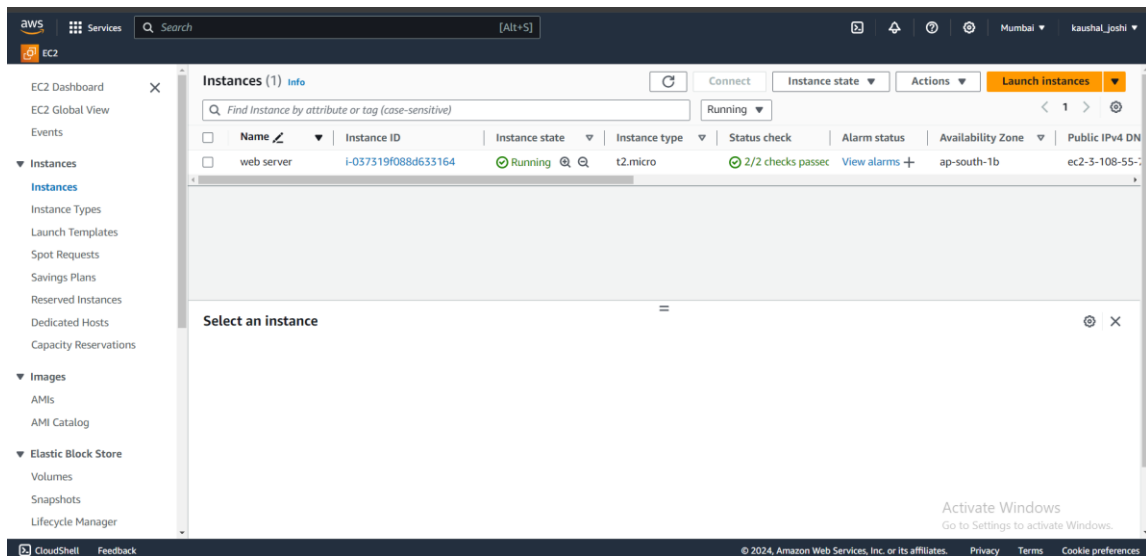
Click on Launch instance.



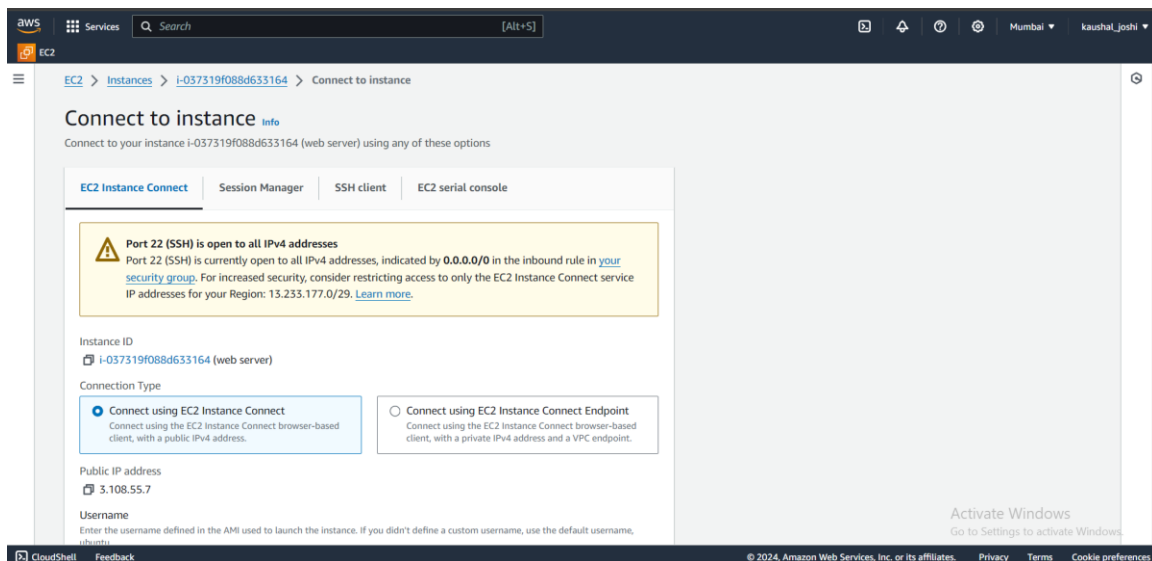
Now the new Instance is created.



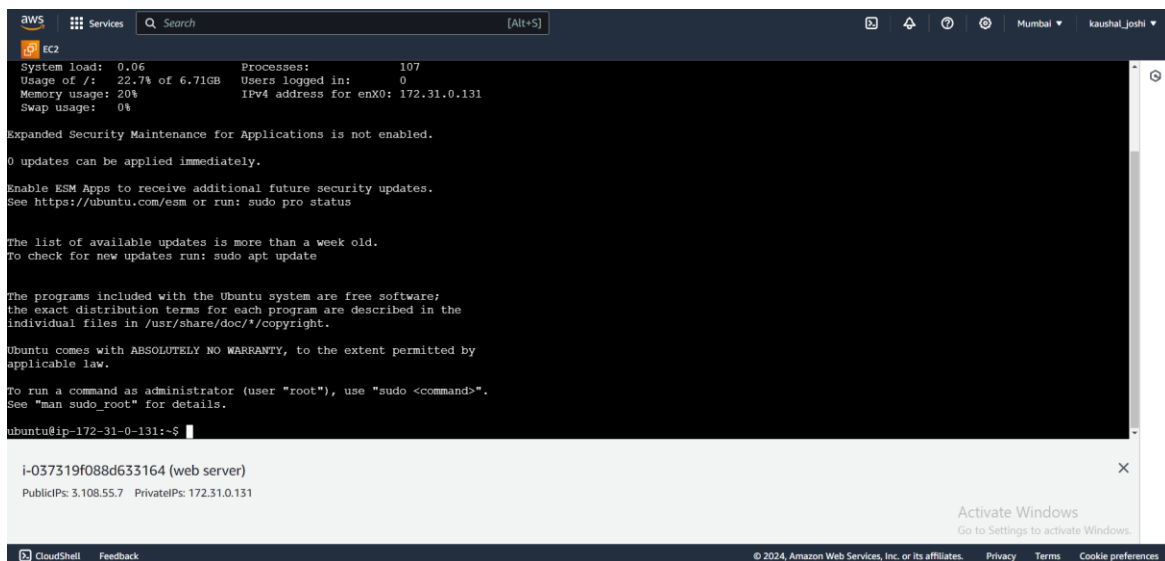
Now click on the three horizontal bar and then click on instances.



Now click on instance id link after that click on Connect.



Click on Connect and a cmd prompt of Ubuntu Machine will load.



The screenshot shows the AWS CloudShell interface with a terminal window for an Ubuntu machine. The terminal displays system statistics, security maintenance status, and update information. Below the terminal, a metadata box shows the instance ID 'i-037319f088d633164 (web server)' and its public/private IP addresses. An 'Activate Windows' watermark is visible in the bottom right corner of the terminal area.

```
aws Services Search [Alt+S]
EC2
System load: 0.06      Processes:      107
Usage of /:  22.7% of 6.71GB  Users logged in: 0
Memory usage: 20%      IPv4 address for enx0: 172.31.0.131
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

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.

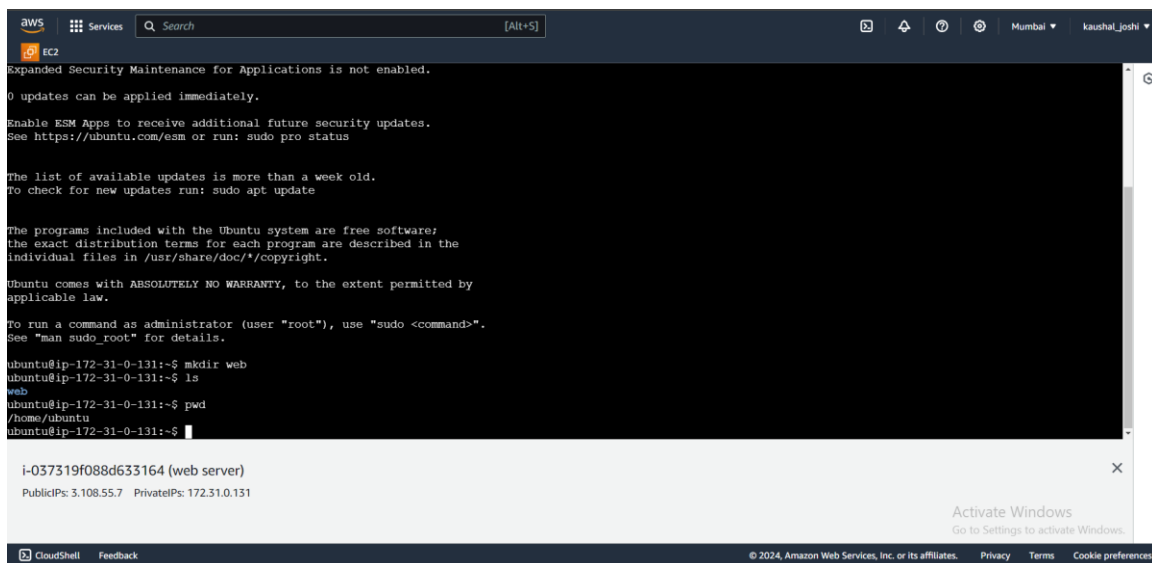
ubuntu@ip-172-31-0-131:~$
```

i-037319f088d633164 (web server)
PublicIPs: 3.108.55.7 PrivateIPs: 172.31.0.131

Activate Windows
Go to Settings to activate Windows.

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Click on Connect and a cmd prompt of Ubuntu Machine will load.



This screenshot is similar to the first one, but it shows the execution of several commands in the terminal: 'mkdir web', 'ls', and 'pwd'. The output of these commands is visible in the terminal window. The metadata box and 'Activate Windows' watermark are also present.

```
aws Services Search [Alt+S]
EC2
System load: 0.06      Processes:      107
Usage of /:  22.7% of 6.71GB  Users logged in: 0
Memory usage: 20%      IPv4 address for enx0: 172.31.0.131
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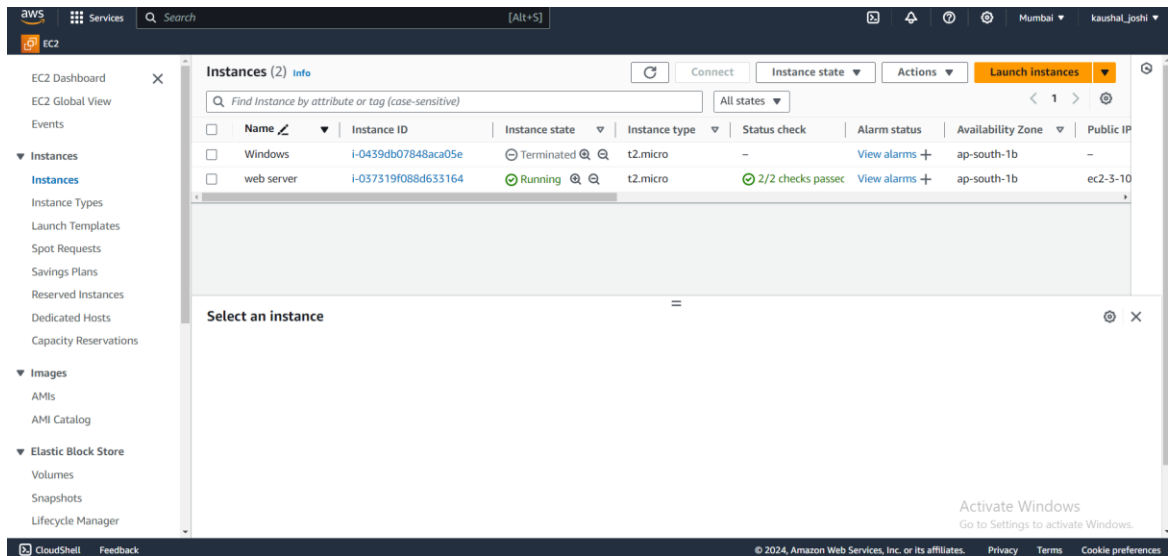
ubuntu@ip-172-31-0-131:~$ mkdir web
ubuntu@ip-172-31-0-131:~$ ls
web
ubuntu@ip-172-31-0-131:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-0-131:~$
```

i-037319f088d633164 (web server)
PublicIPs: 3.108.55.7 PrivateIPs: 172.31.0.131

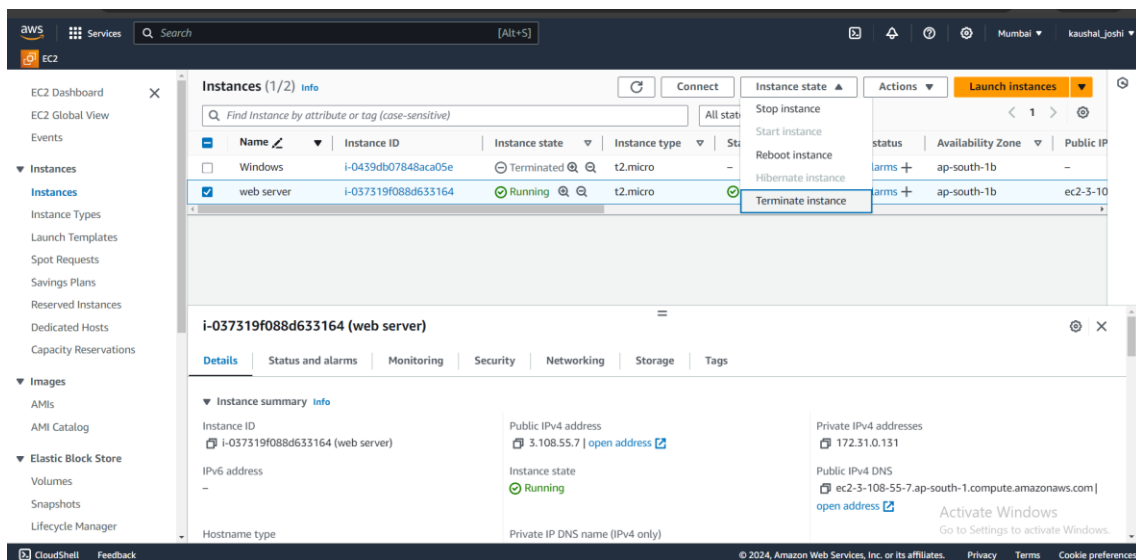
Activate Windows
Go to Settings to activate Windows.

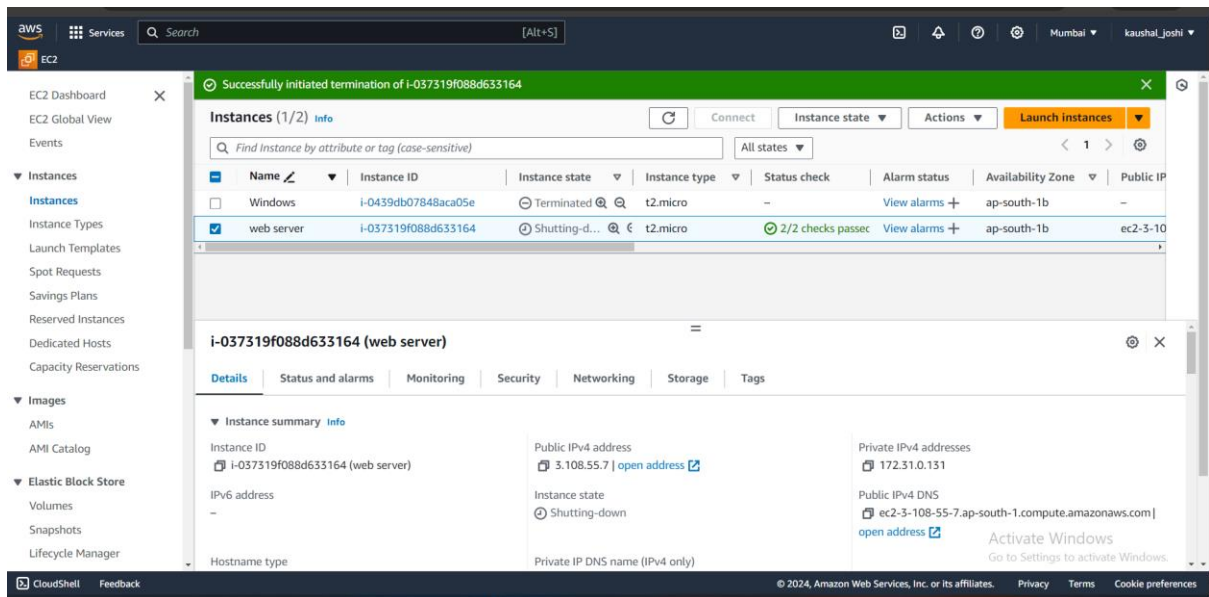
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Now close this window and we will again see our instance window after working instance our step is to terminate this instance.



Click on instance state and then select Terminate instance.



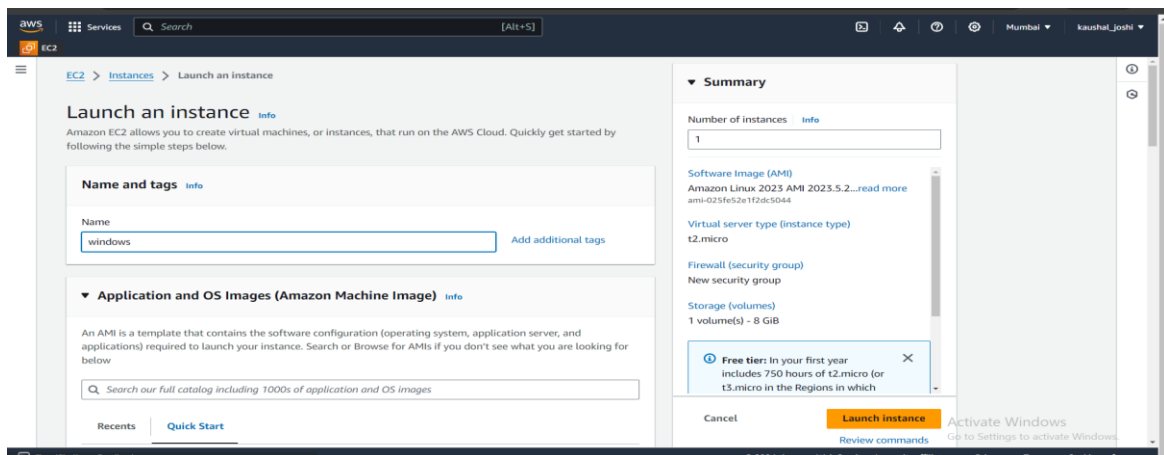


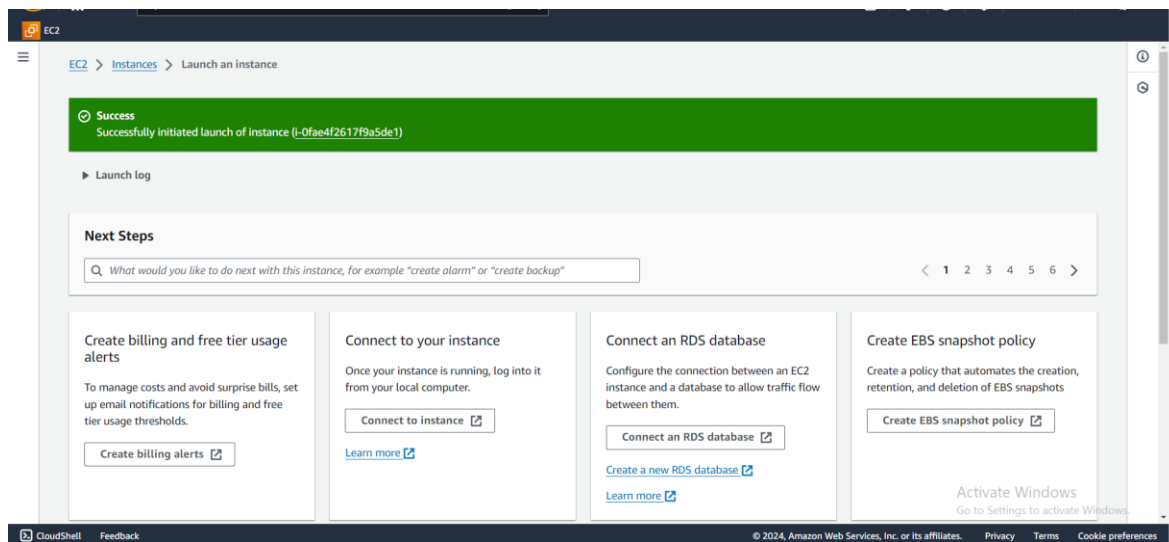
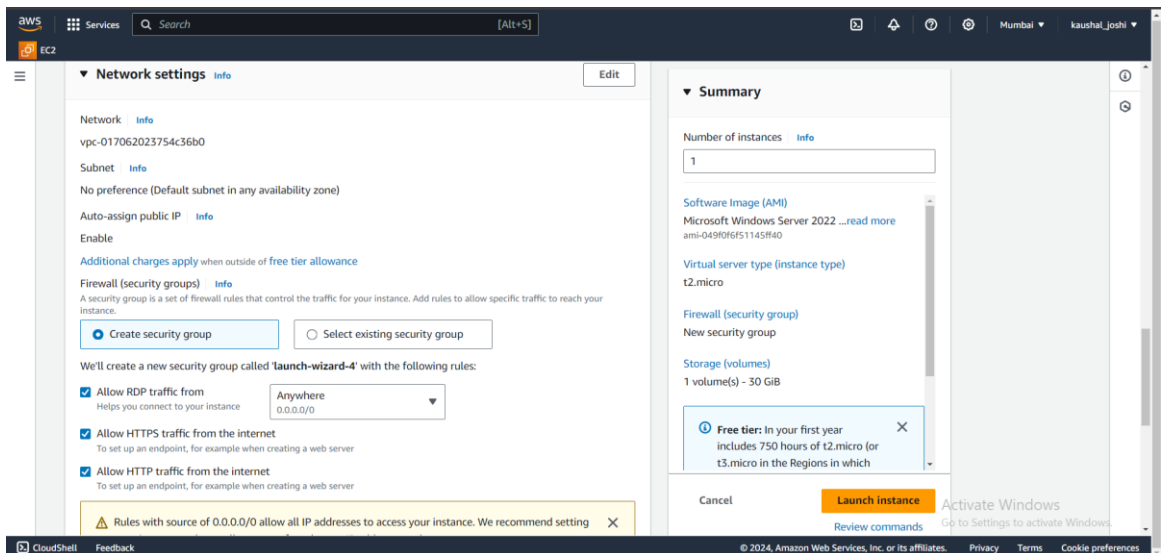
2) Implement the windows machine using AWS EC2.

Steps:

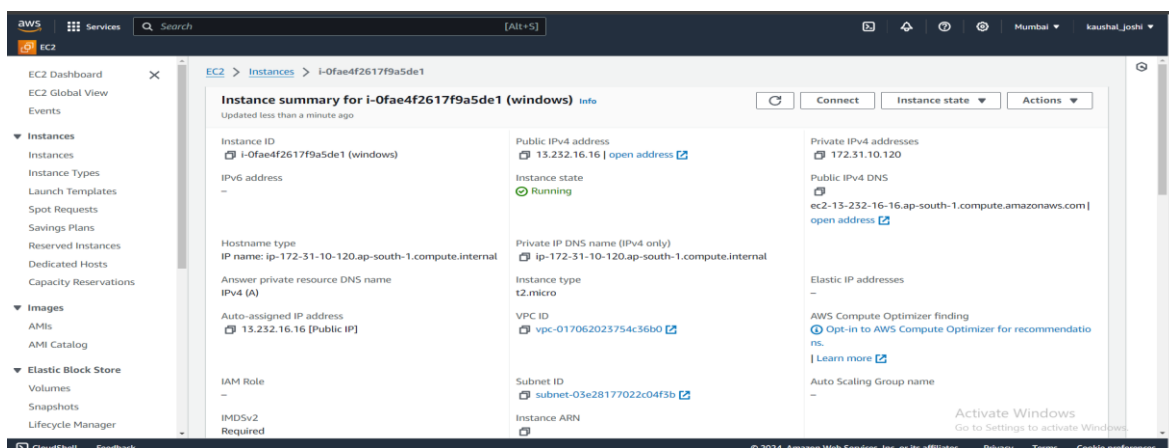
Repeat the same steps as mentioned above for Ubuntu machine EC2 instead of selecting Ubuntu we have to choose Windows Option.

Otherwise when we are in our instance page and we did not logout from AWS then click on Launch instance for creating a new instance and then repeat same process as mentioned for ubuntu machine.

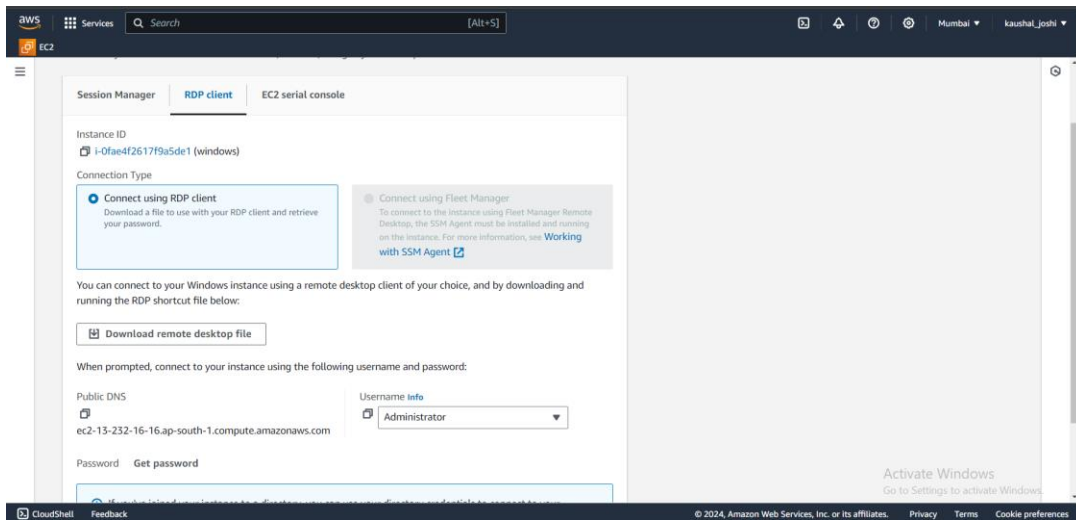




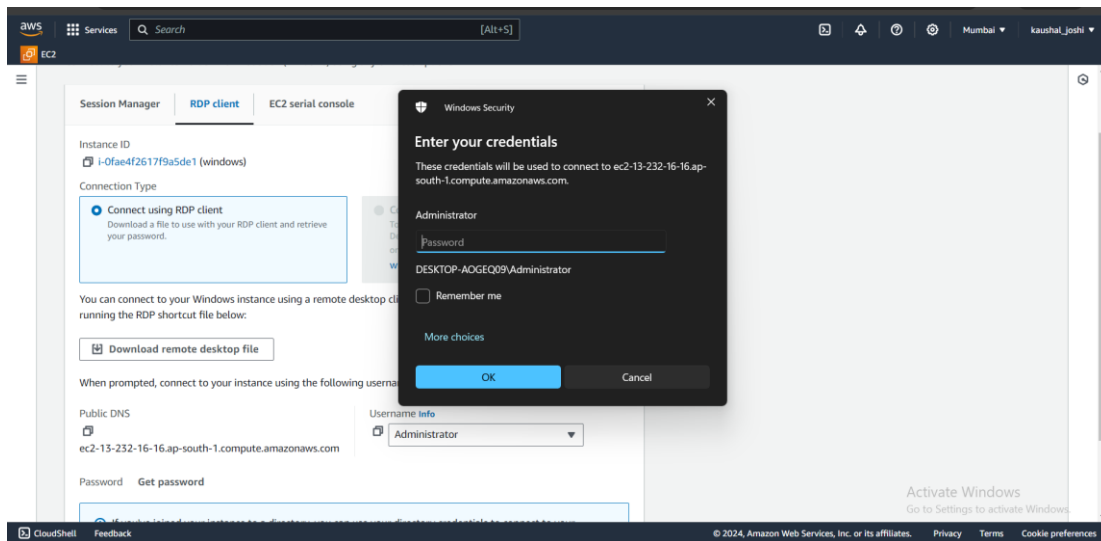
Click on Instance id of windows i.e the instance name created for virtually imputing windows into AWS and then new page opens and click on Connect.



Go to RDP Client and click on download remote desktop.



Go to downloaded windows rdp and click on it it will ask you the password and in the RDP client you will get Get Password option and click on it.



Here you have to upload your key pair file and then decrypt password and then copy that password and paste it then your virtual desktop will open.

