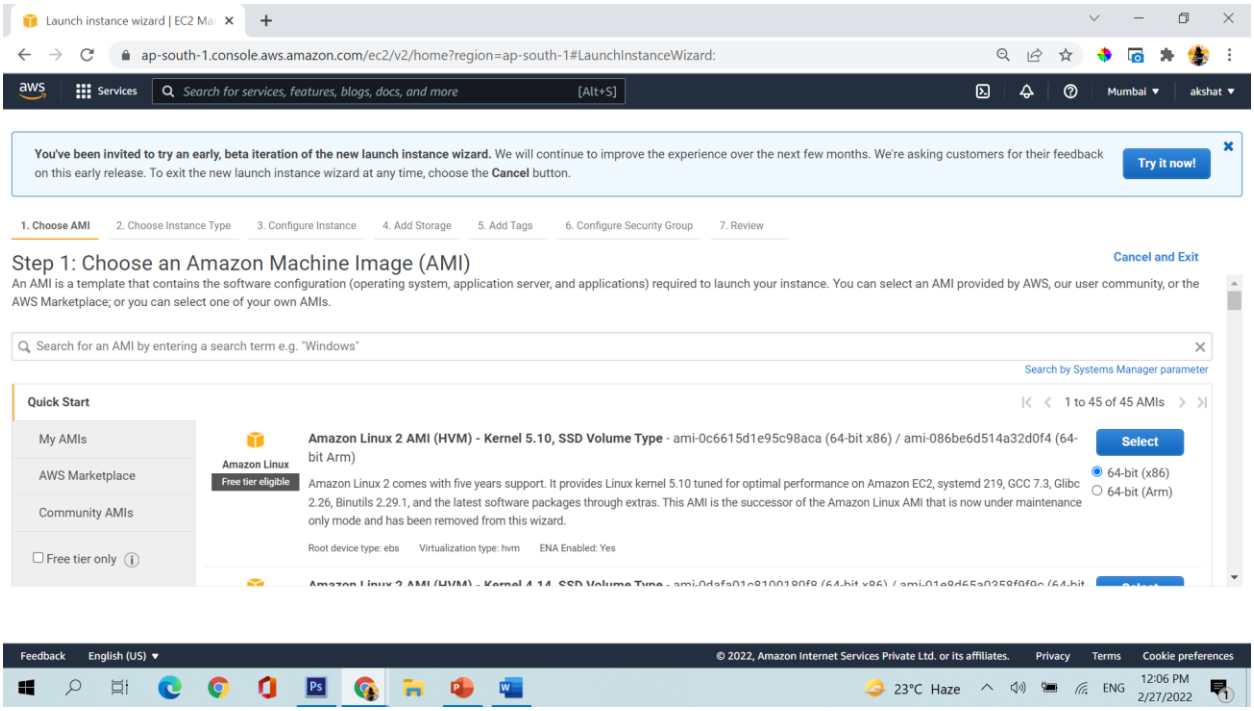
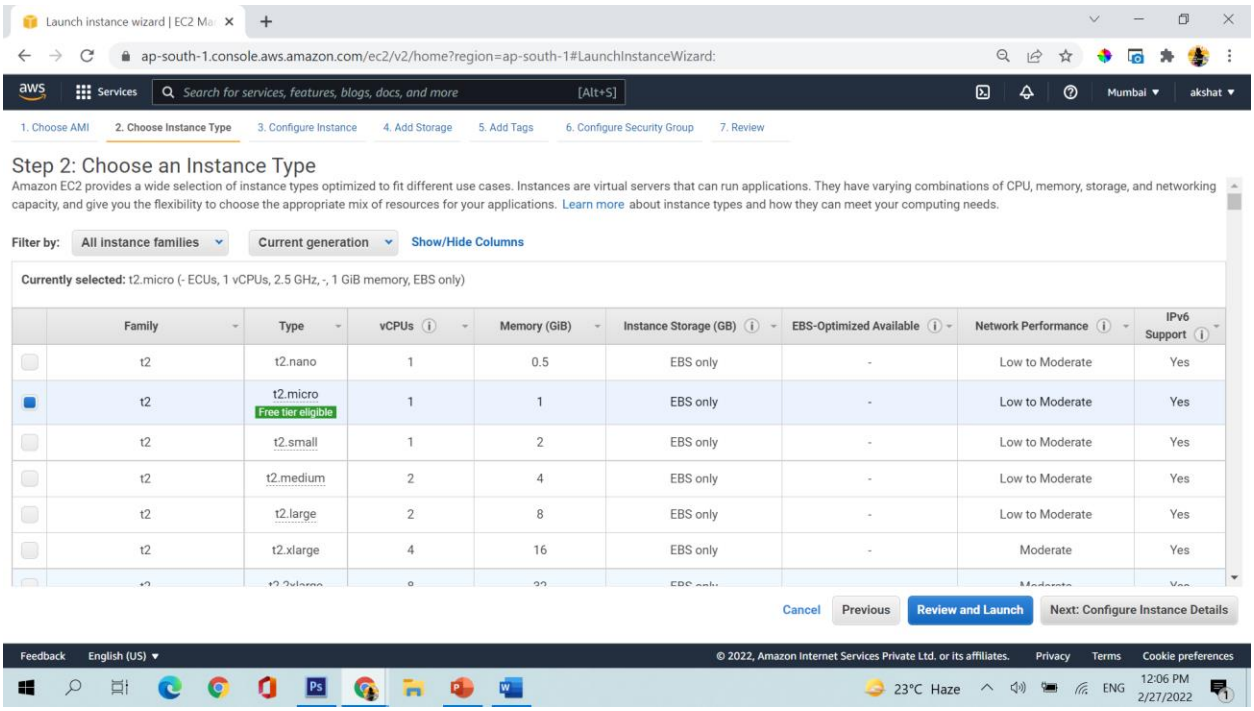
Docker complete Step by step process

1) Create a VM on ec2 instance

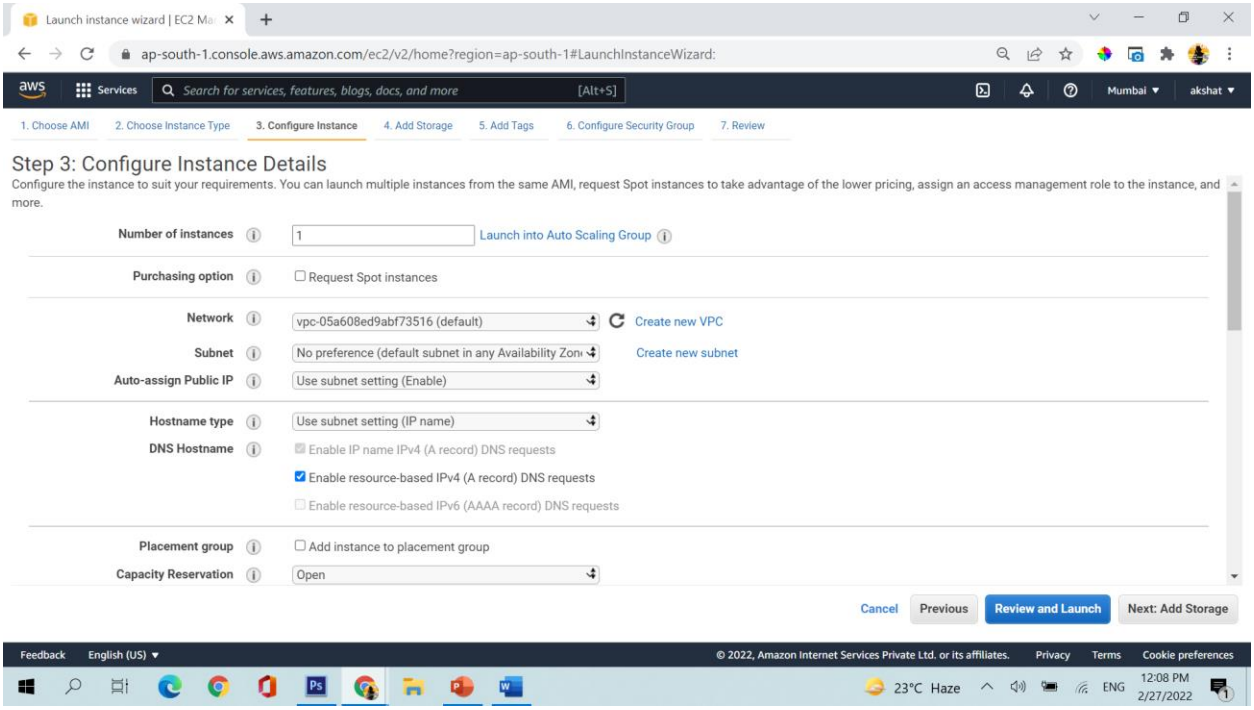


Select amazon linux 2 ami

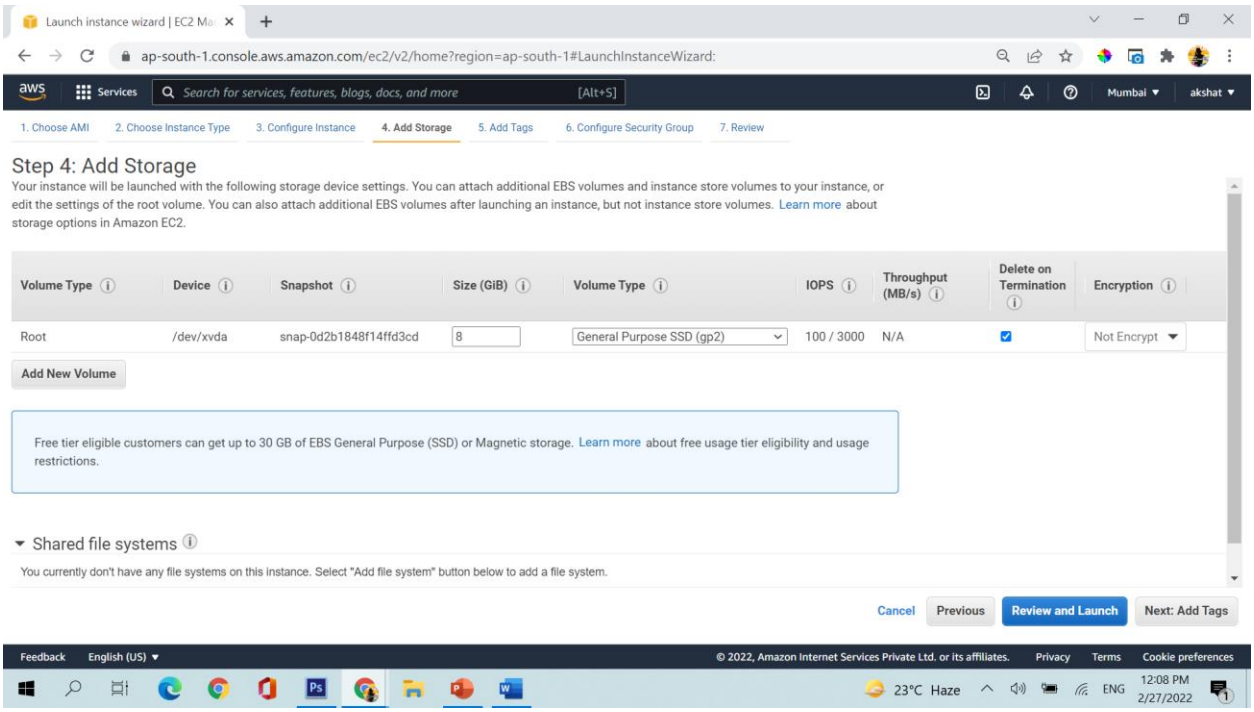


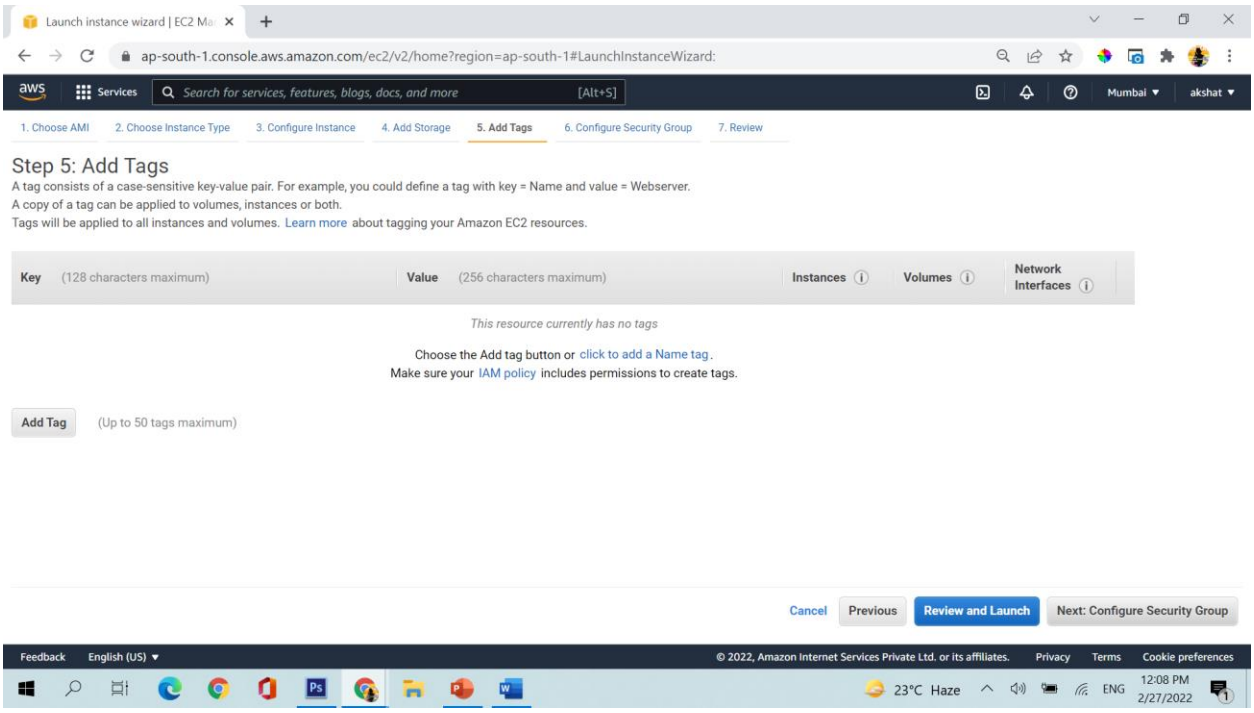
Select t2.micro and configure instance details

Add storage

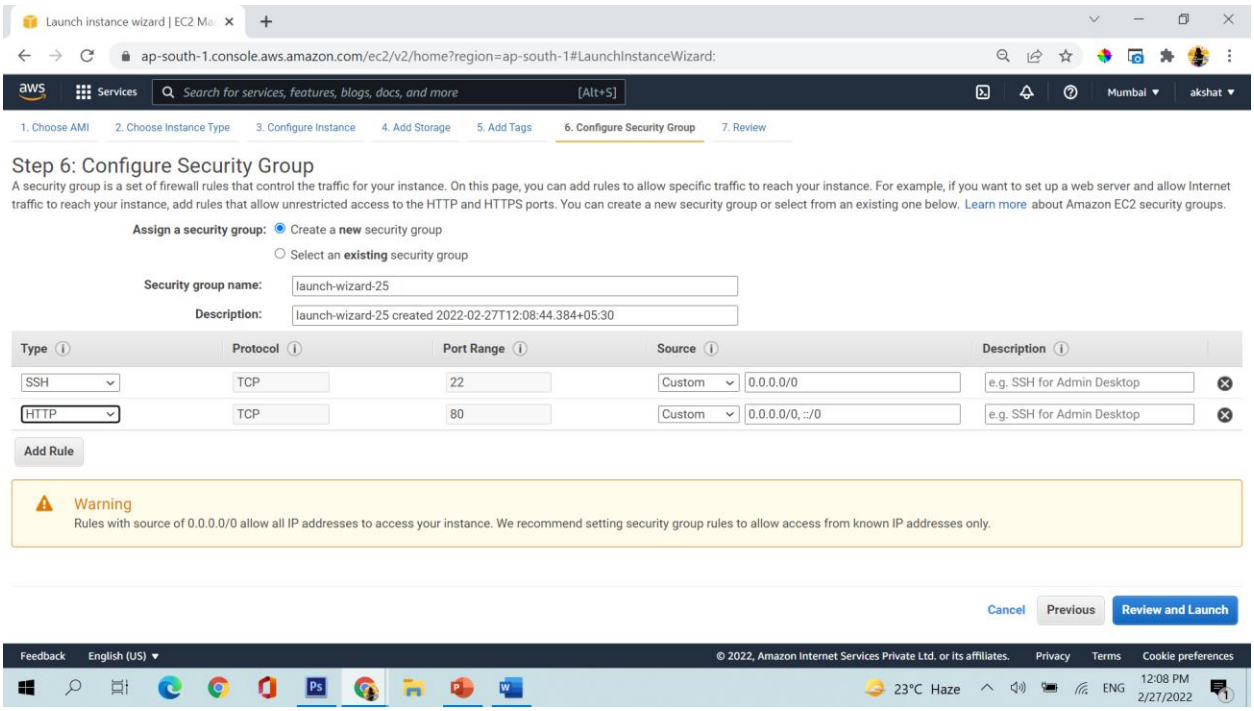


Add tags

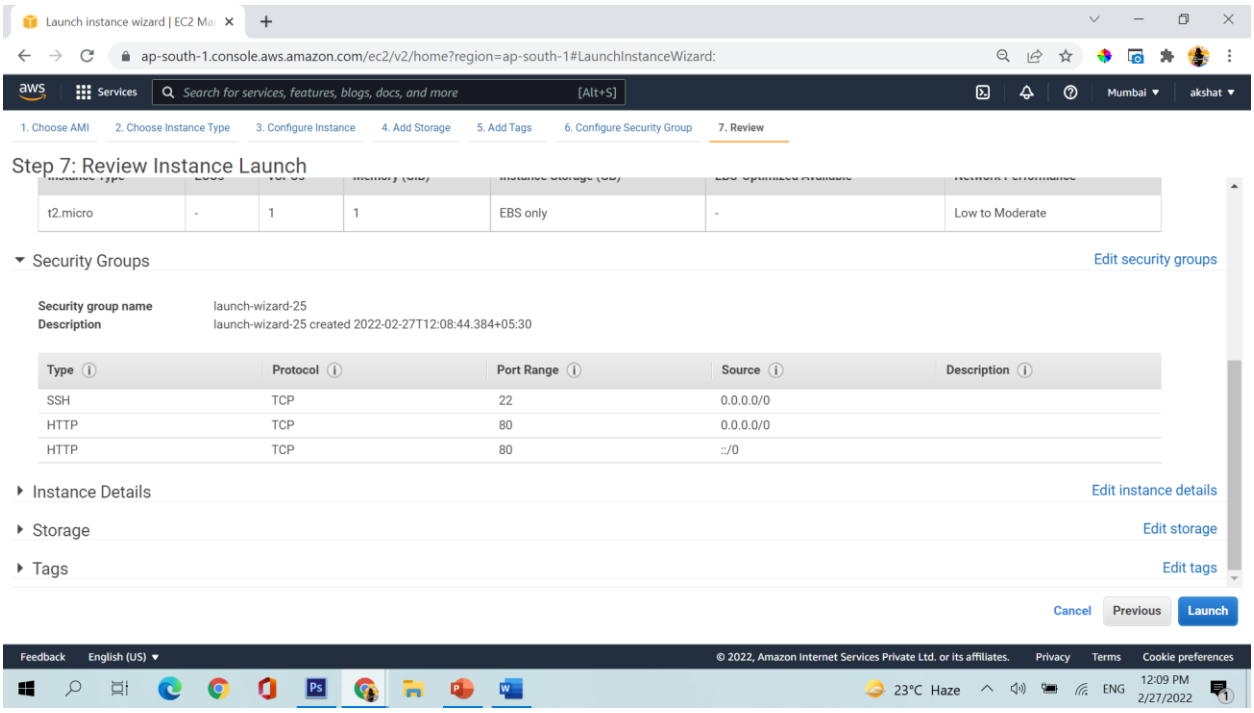




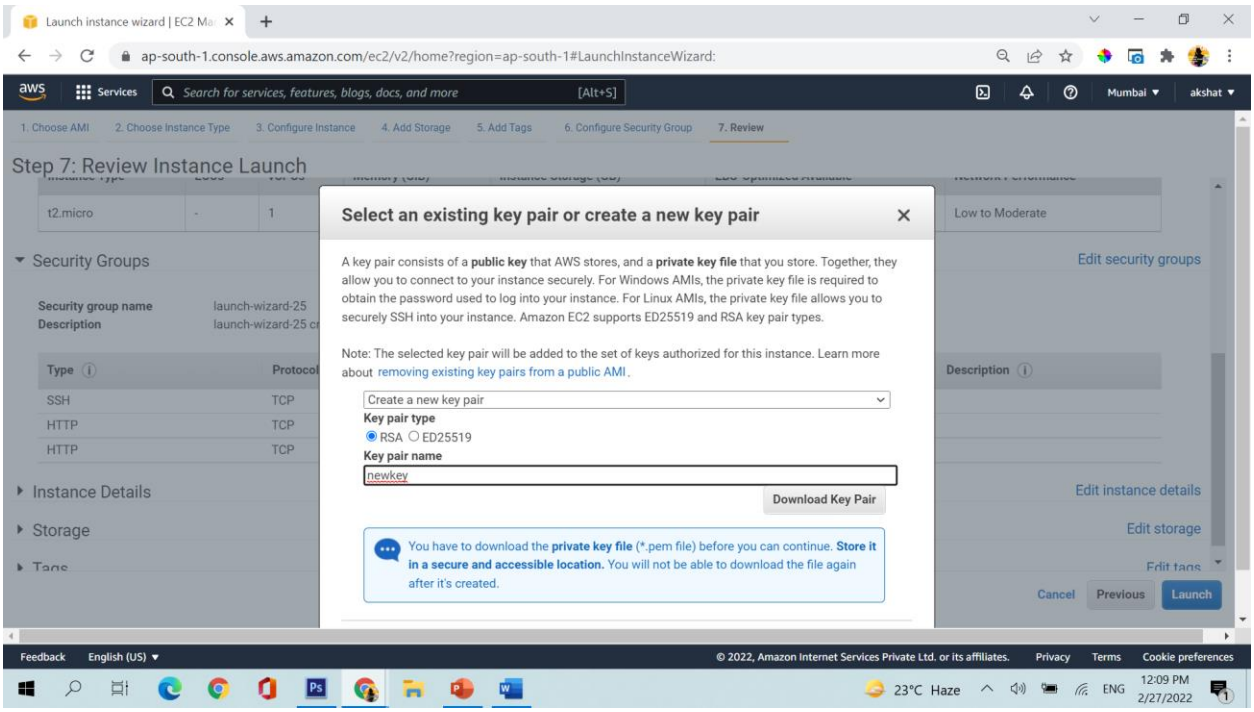
Configure security groups



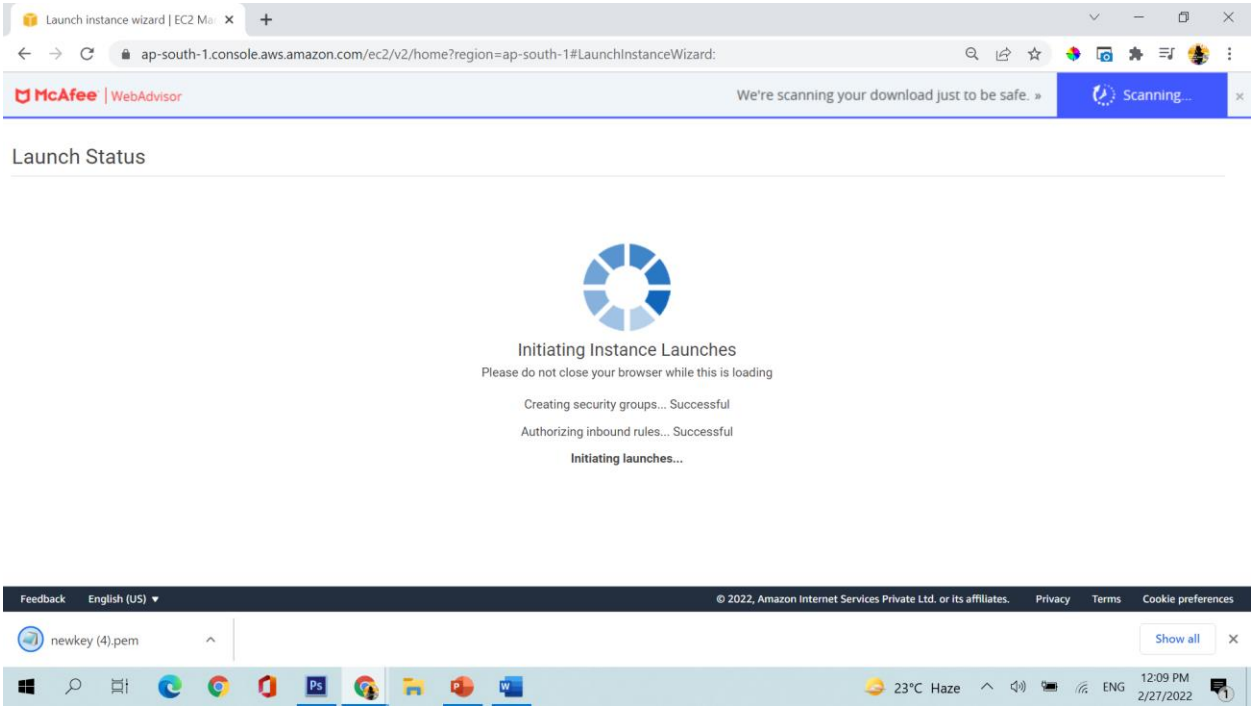
Add http and review and launch



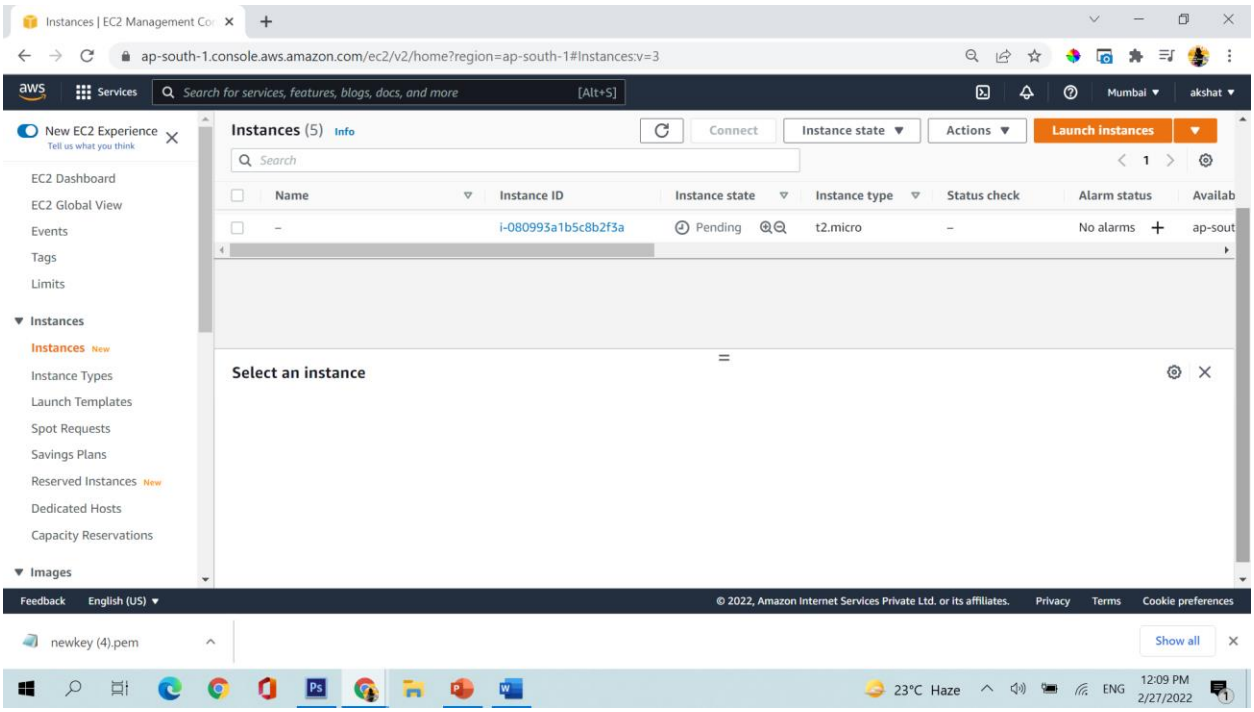
Now launch



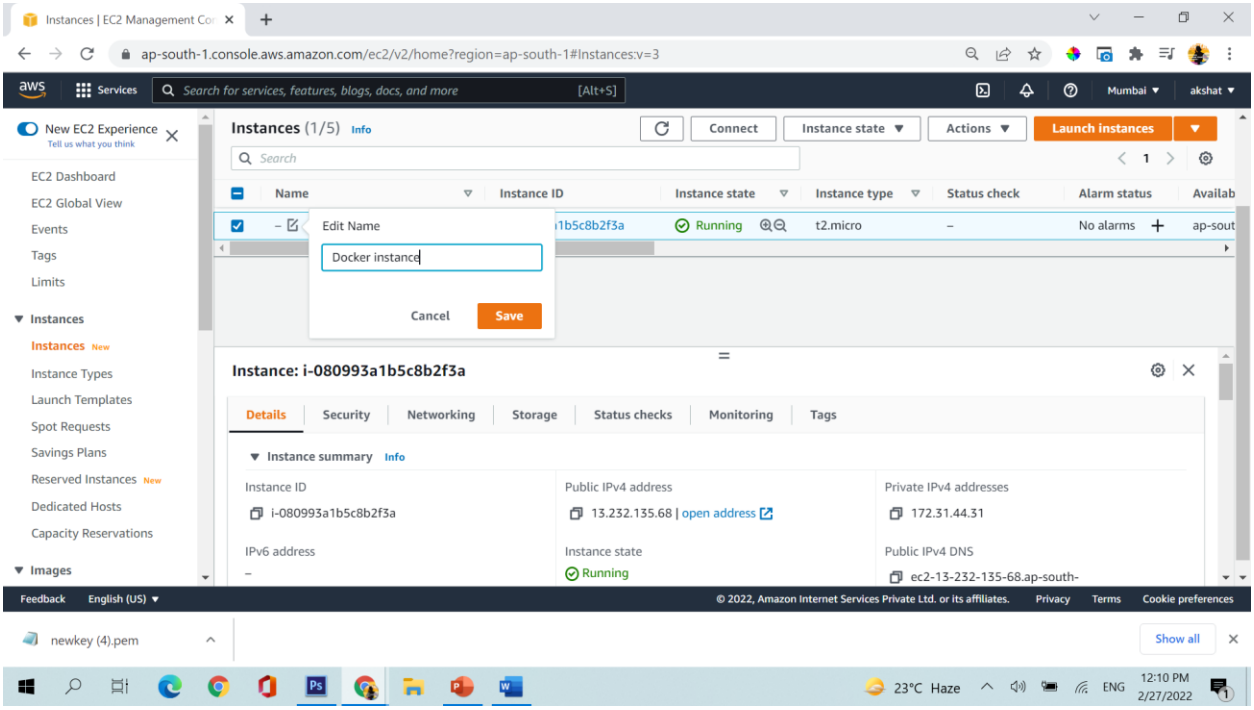
Create a new keypair and download it



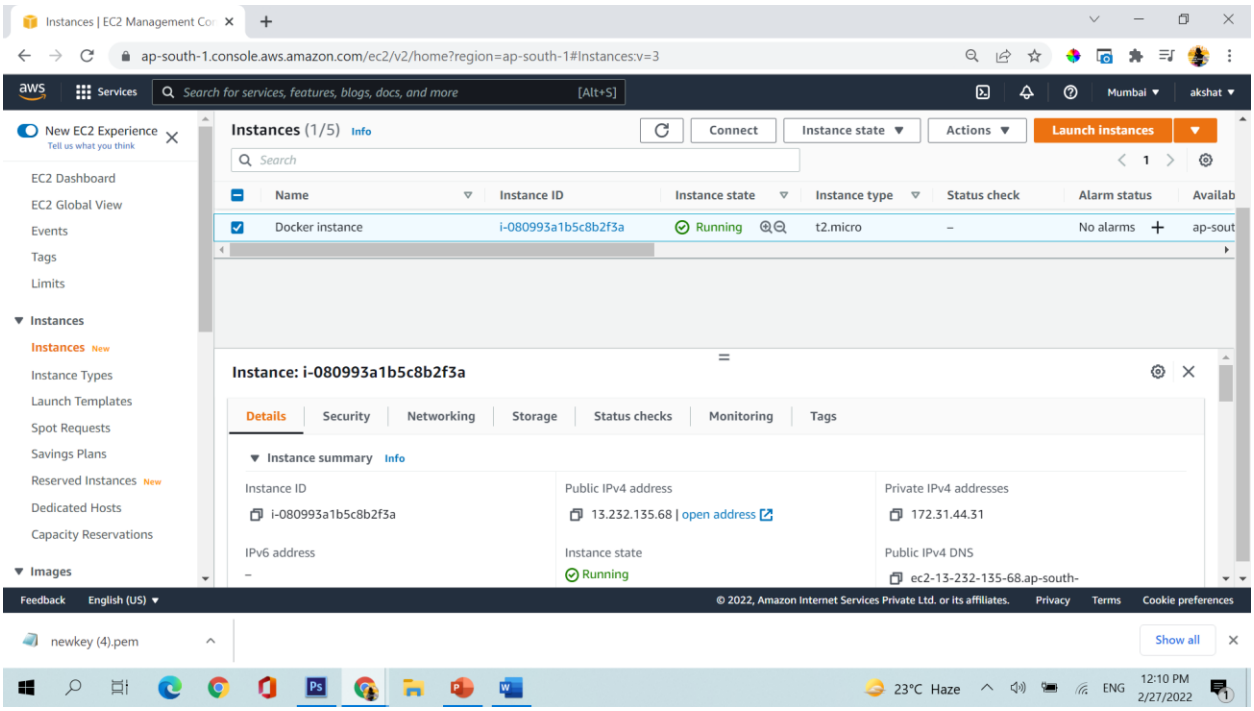
launch instance



See instance is created in pending state



give the instance (virtual machine) a name

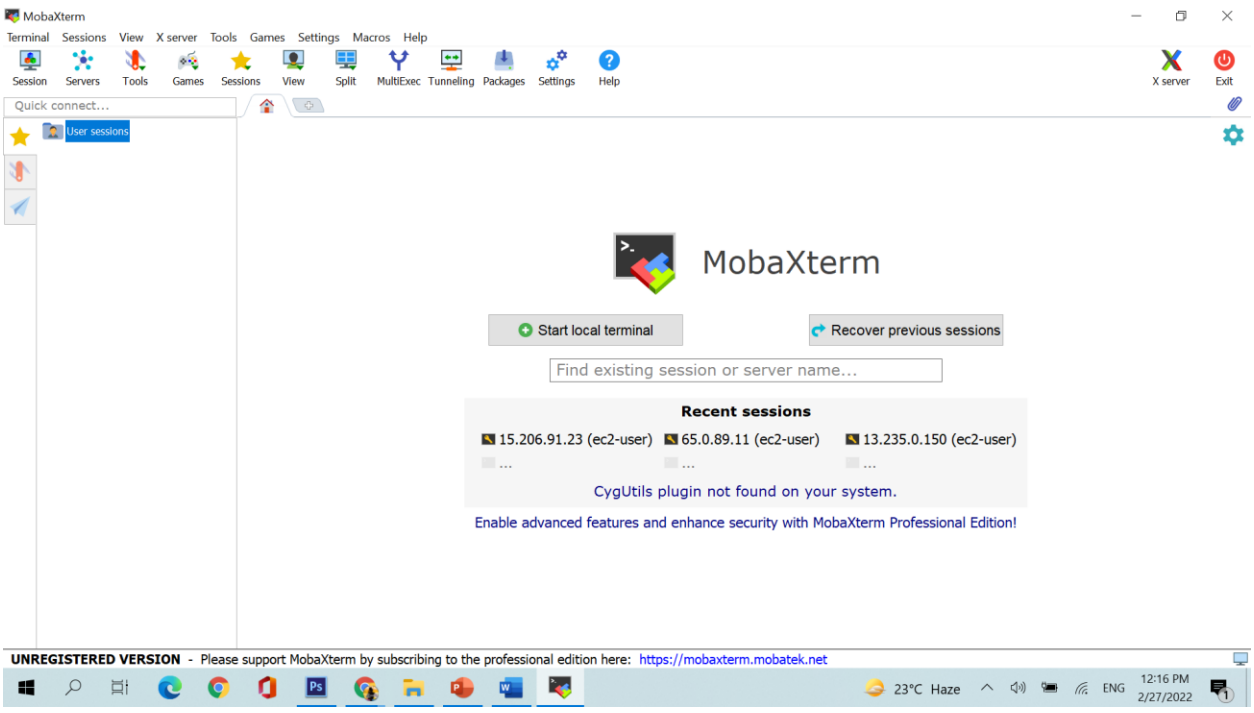


Wait for 4-5 mins for machine to go live properly

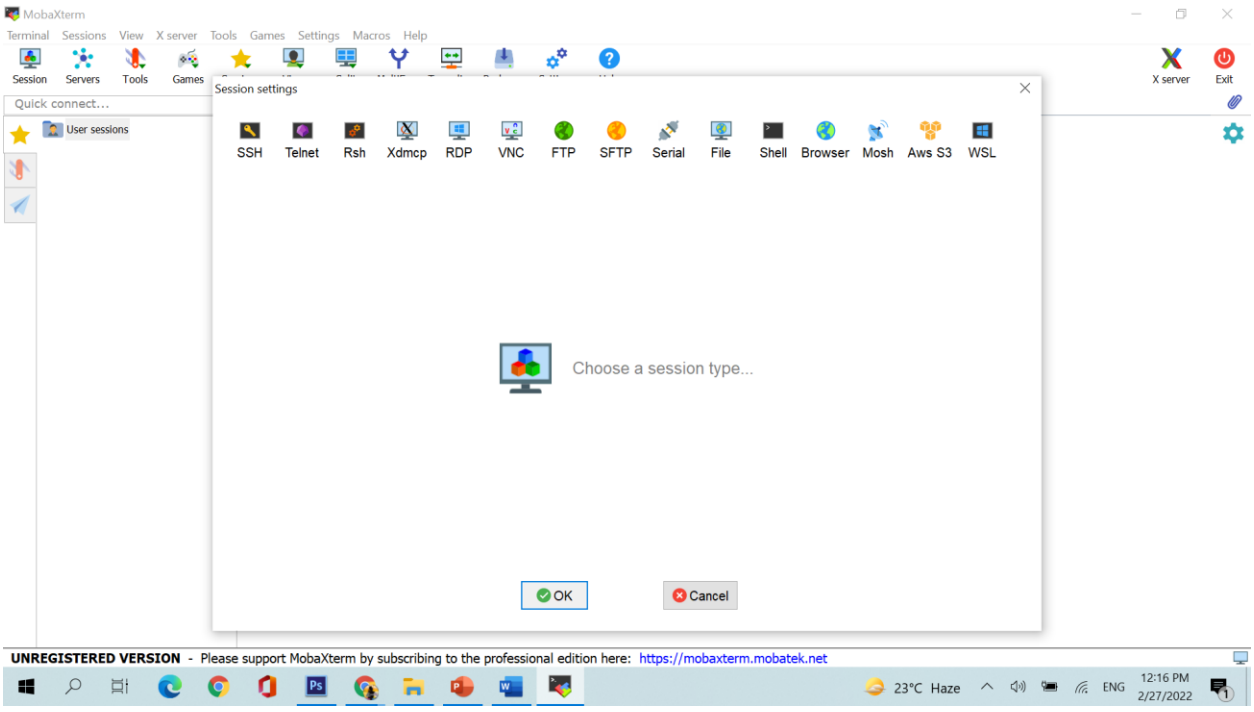
2) Connection with the instance (Virtual machine)

Download a software mobaxterm (https://drive.google.com/file/d/1y-kG7FmY55jaDYa4IbrHbzSLlSHNbodG/view?usp=sharing) from here

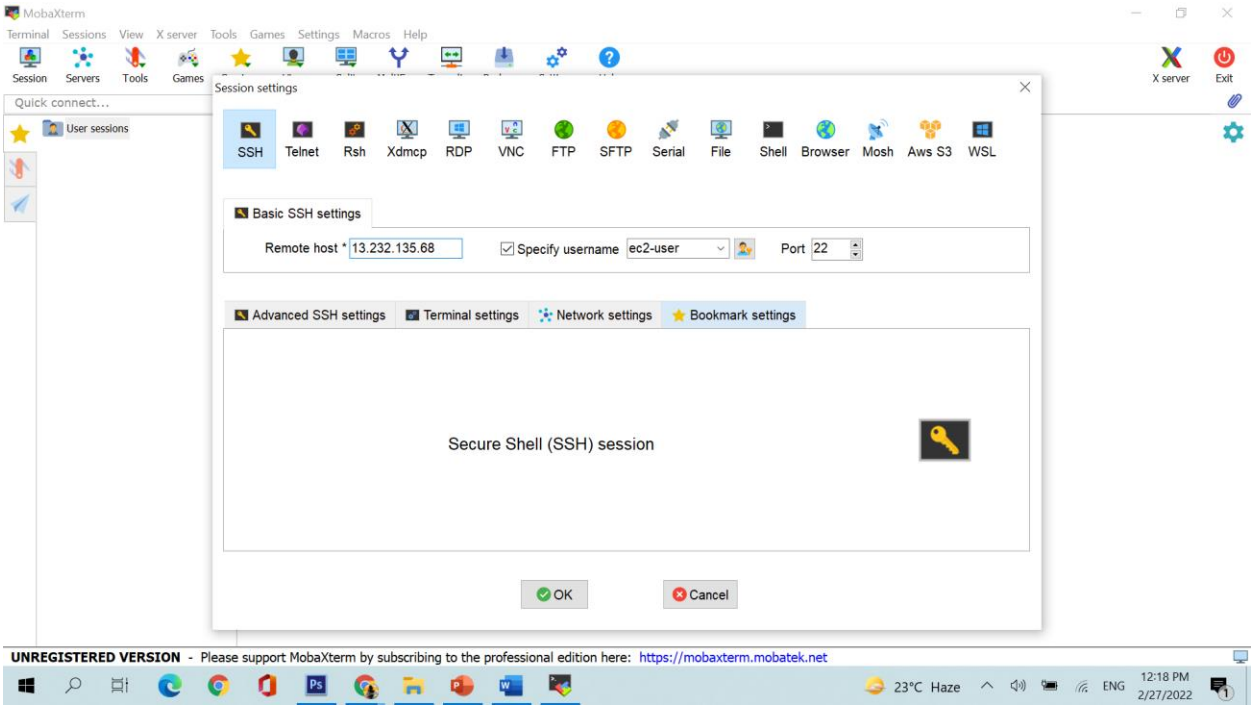
It will look like this



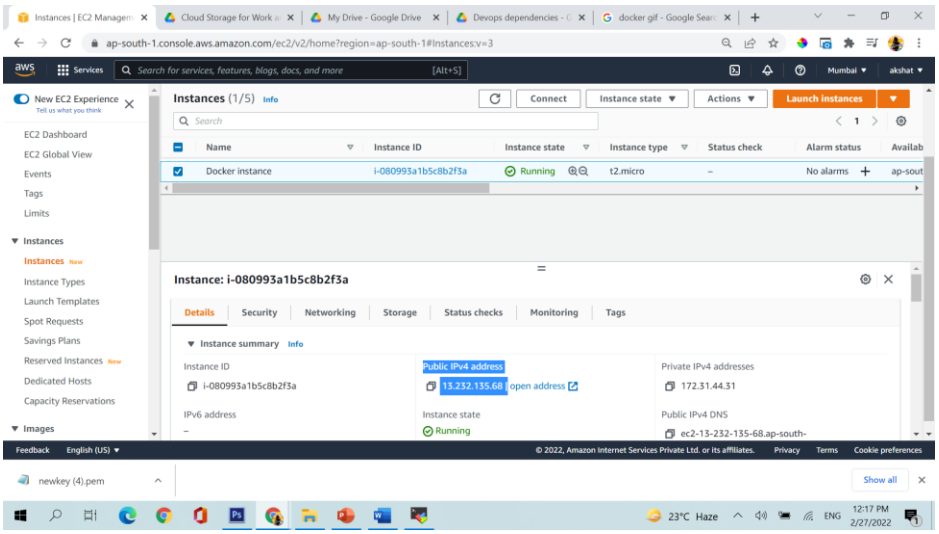
Now click on session and start a new session



Go to ssh and in remote host put public ip of the machine and tick mark specify username and put ec2-user there

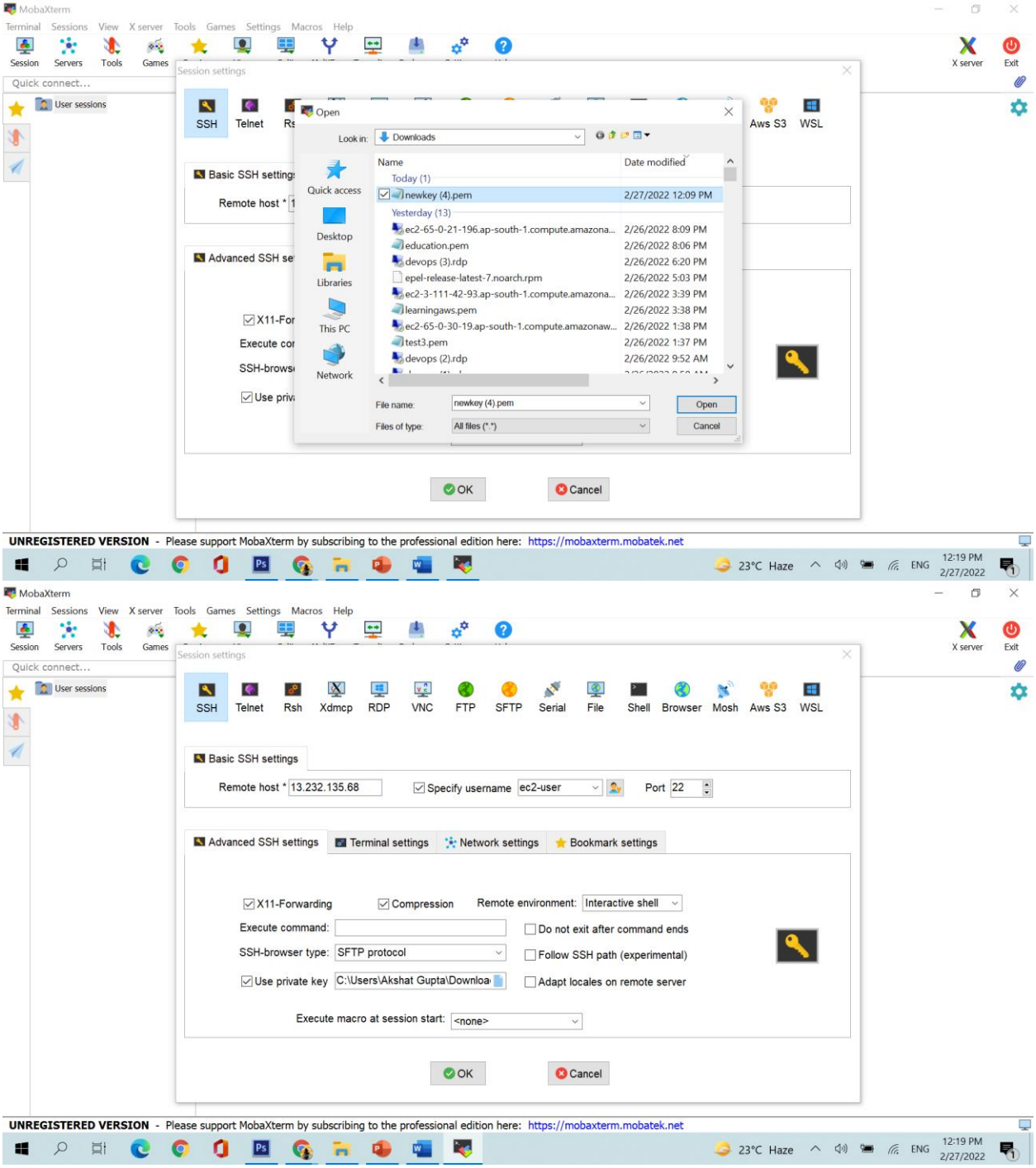


From here you will get the public ip of the machine

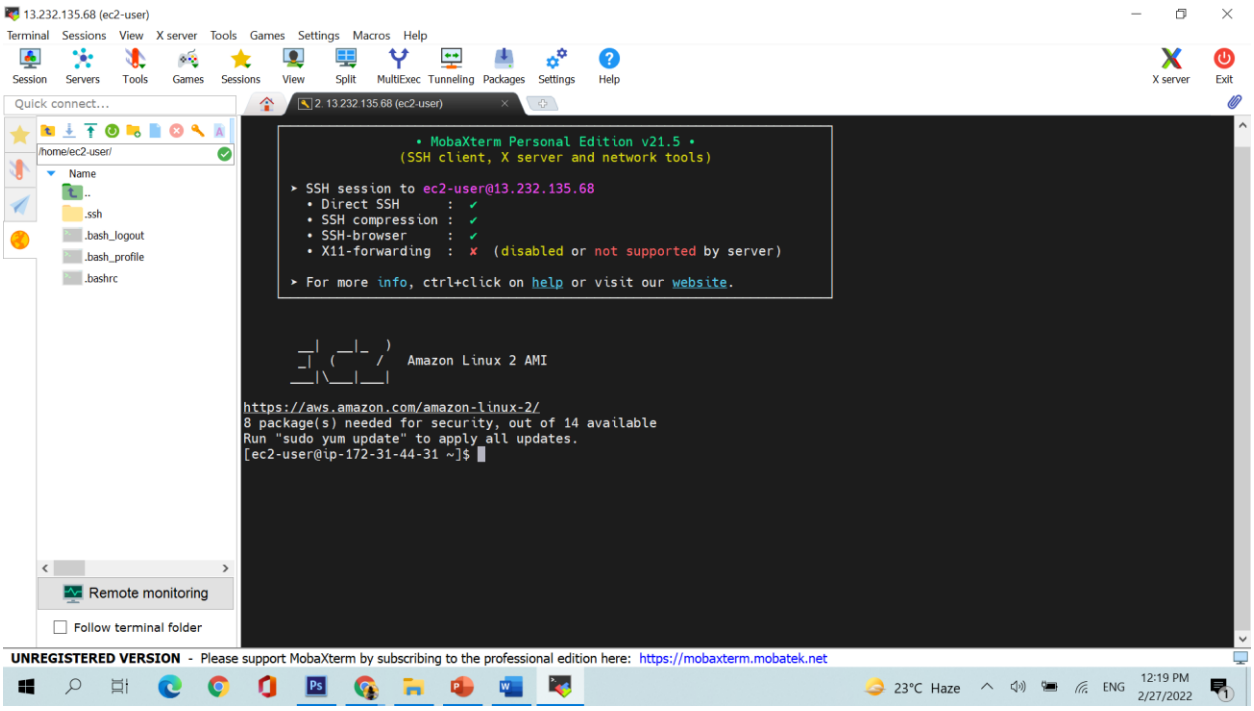


Click on Advance ssh setting in mobaxterm

And select use private key and select the key which you have downloaded while creating machine

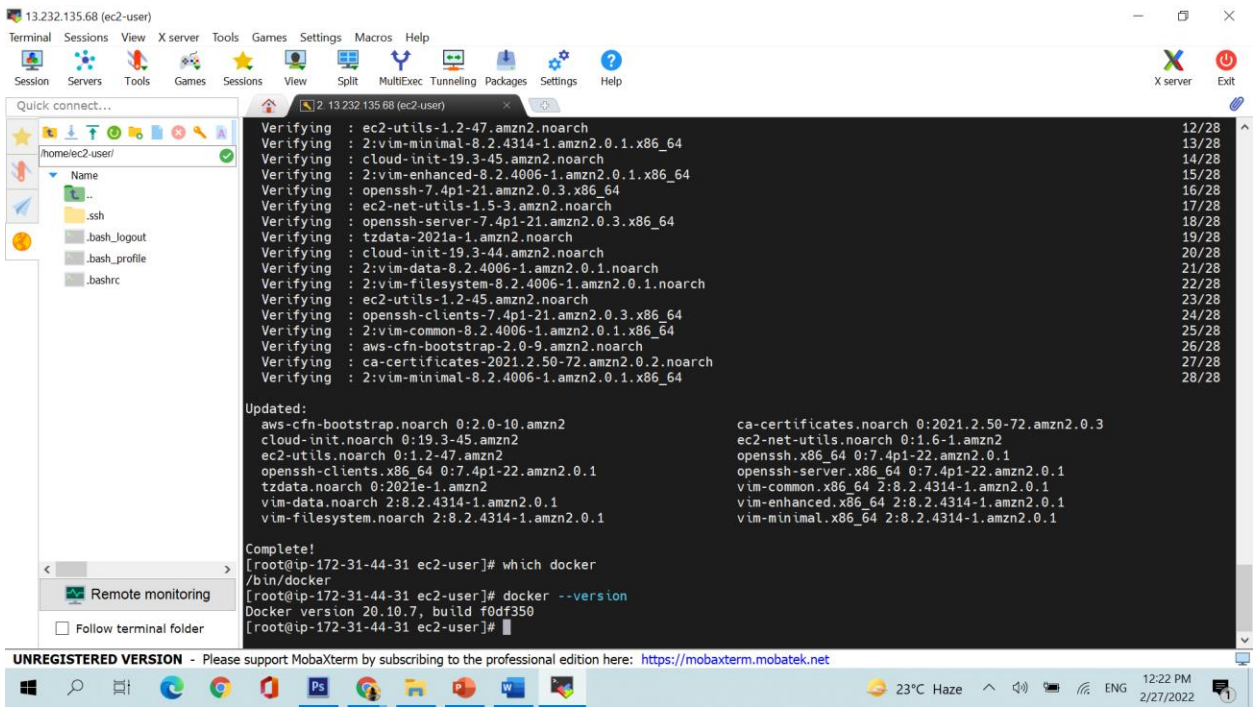


Successfully connected



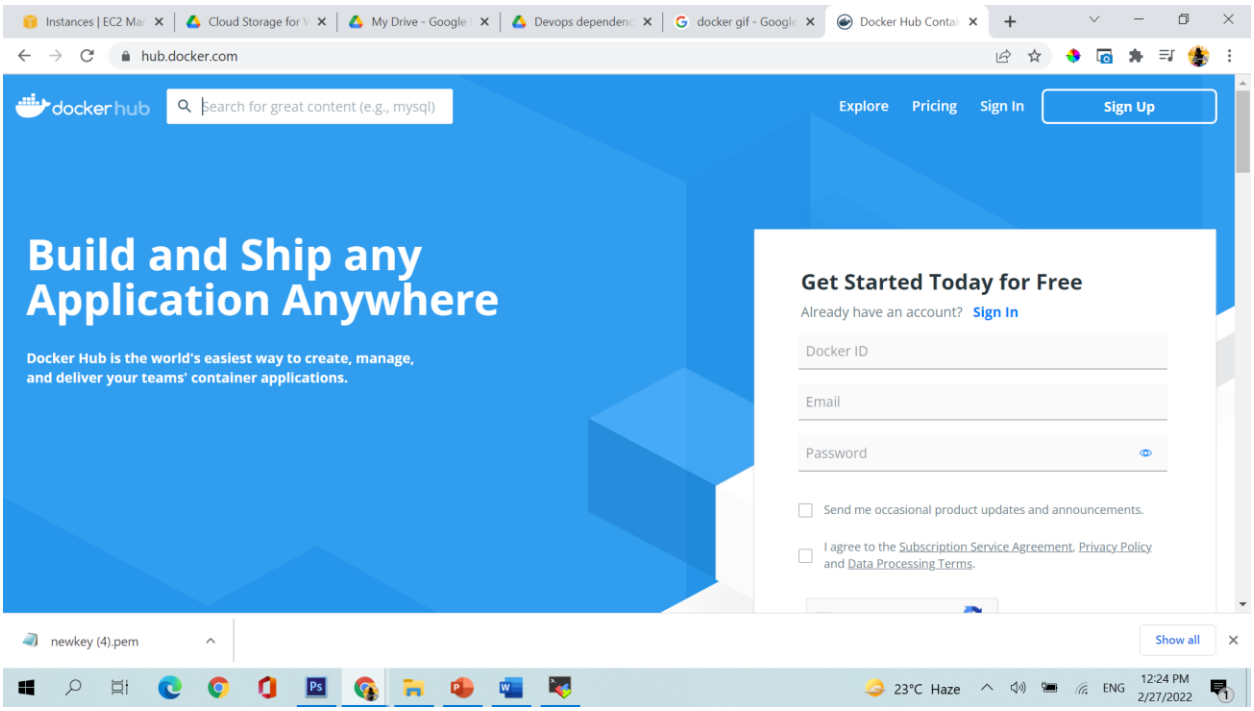
3) Now put these commands in the machine

- sudo su
- yum install docker -y (this will install docker in your machine)
- yum update -y (update all the softwares in your machine)
- which docker (tells you the location where docker is installed)
- docker - - version (tells you the docker version installed in your linux machine)

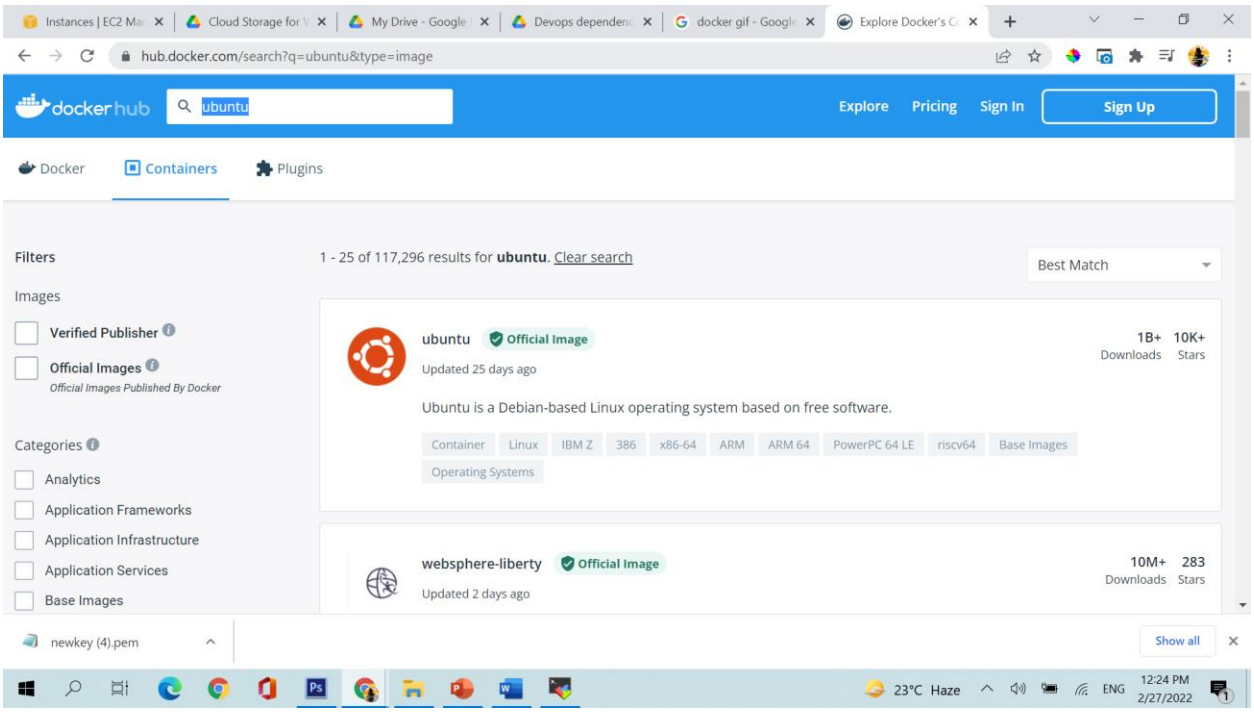


- service docker status
- service docker start (start docker in your machine)
- docker images
- docker ps (shows which all dockers are running)
- docker ps -a (shows which all dockers are created)

4) Now go to google chrome



Search ubuntu



Click on ubuntu https://hub.docker.com/_/ubuntu

- docker run -it ubuntu /bin/bash (put you inside the docker container)
- ls
- cat /etc/os-release (here the output would be ubuntu)
- exit (stop and exit from container)
- docker images
- docker run-it ubuntu /bin/bash
- exit
- docker ps -a
- docker ps
- docker start <<name of the docker which you will get from docker ps -a command>>