

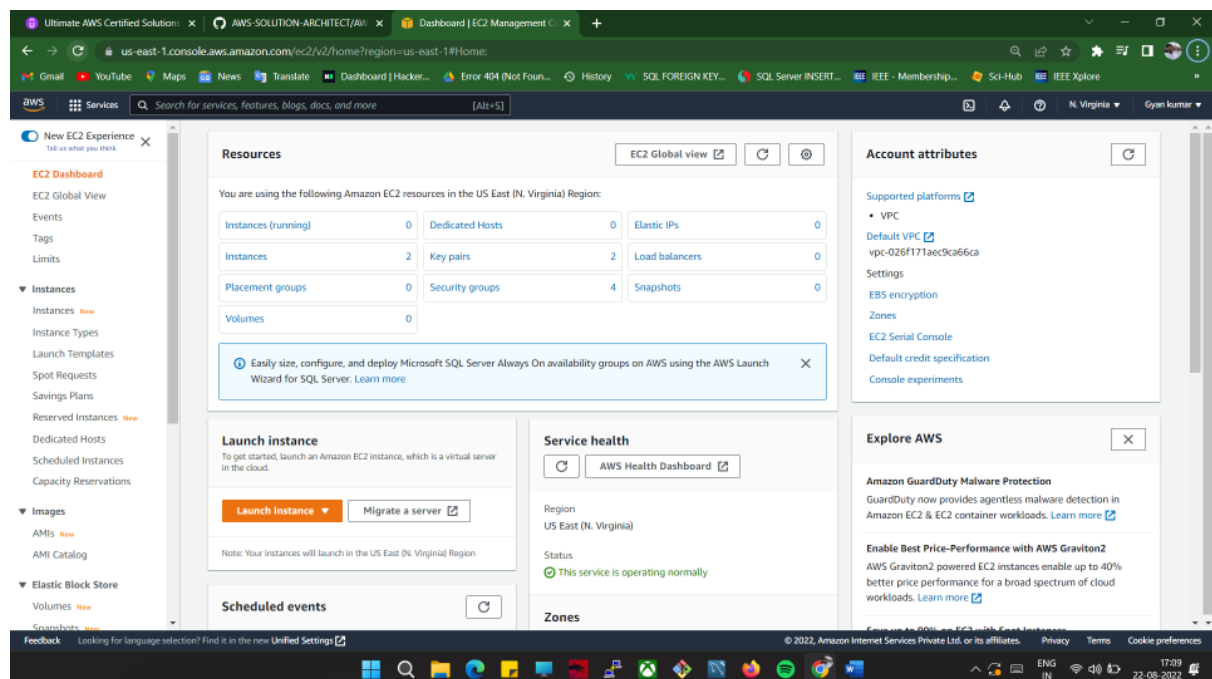
Create an EC2 Instance with EC2 User Data to have a Website Hands On.....

Hands-On: Launching an EC2 Instance running Linux

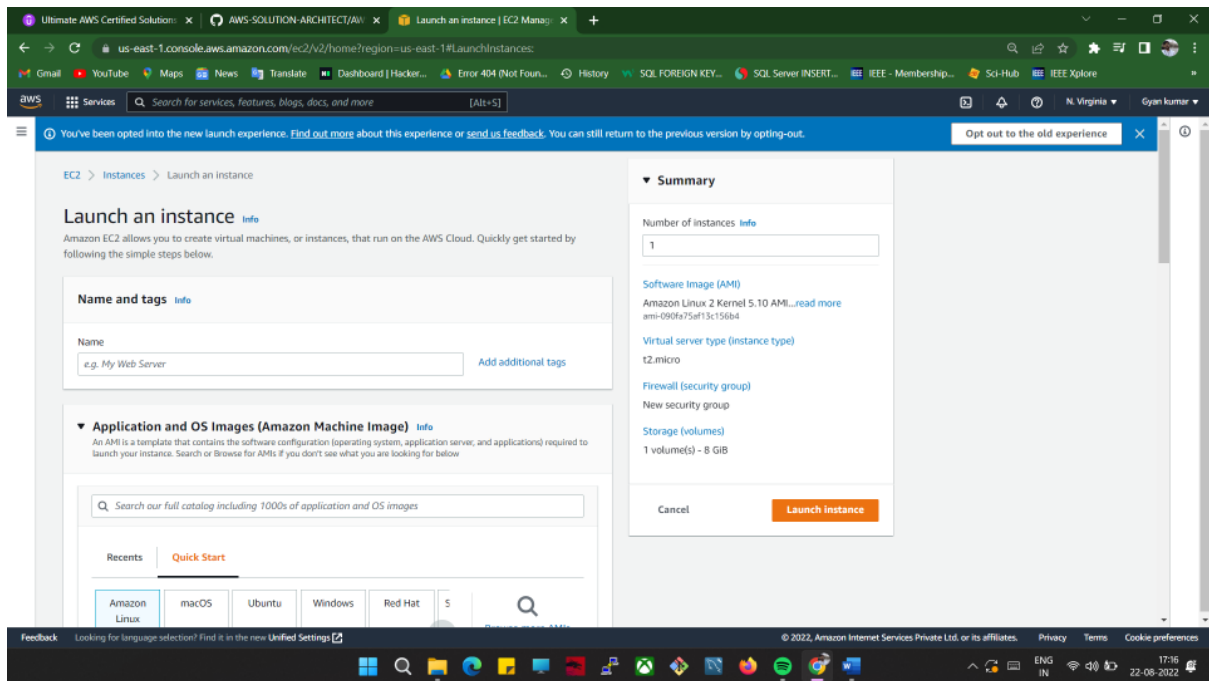
What we are going to learn :-

- We'll be launching our first virtual server using the AWS Console
- We'll get a first high-level approach to the various parameters
- We'll see that our web server is launched using EC2 user data
- We'll learn how to start / stop / terminate our instance.

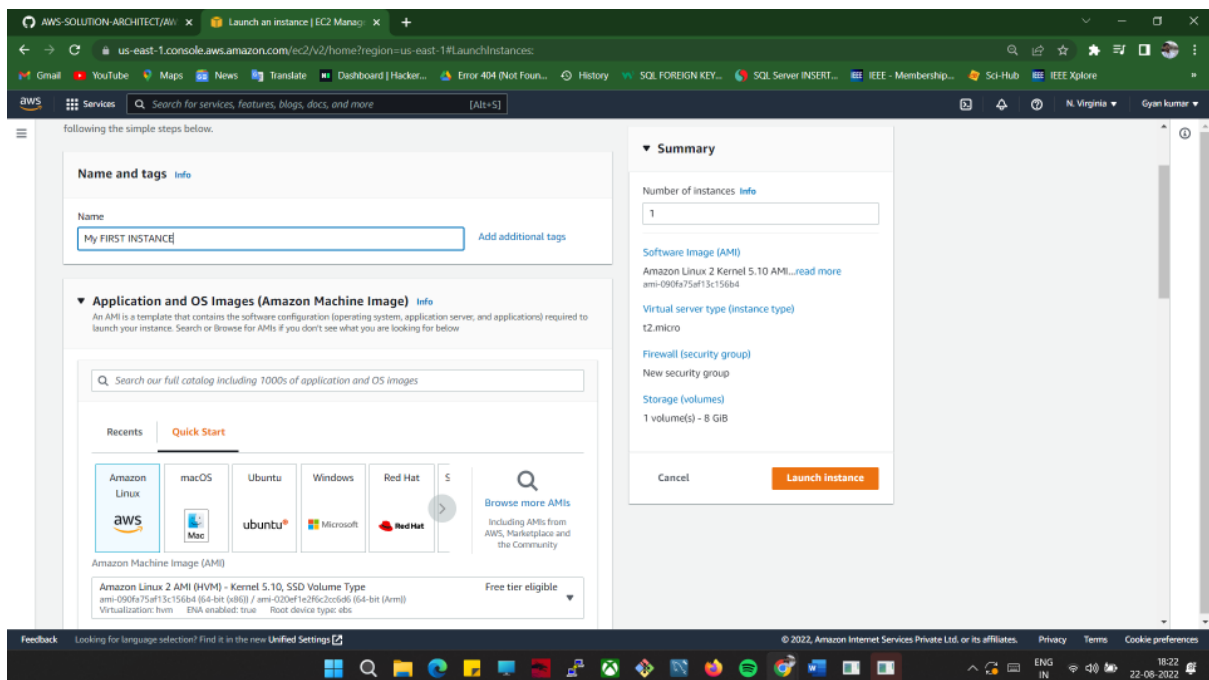
HAND'S ON



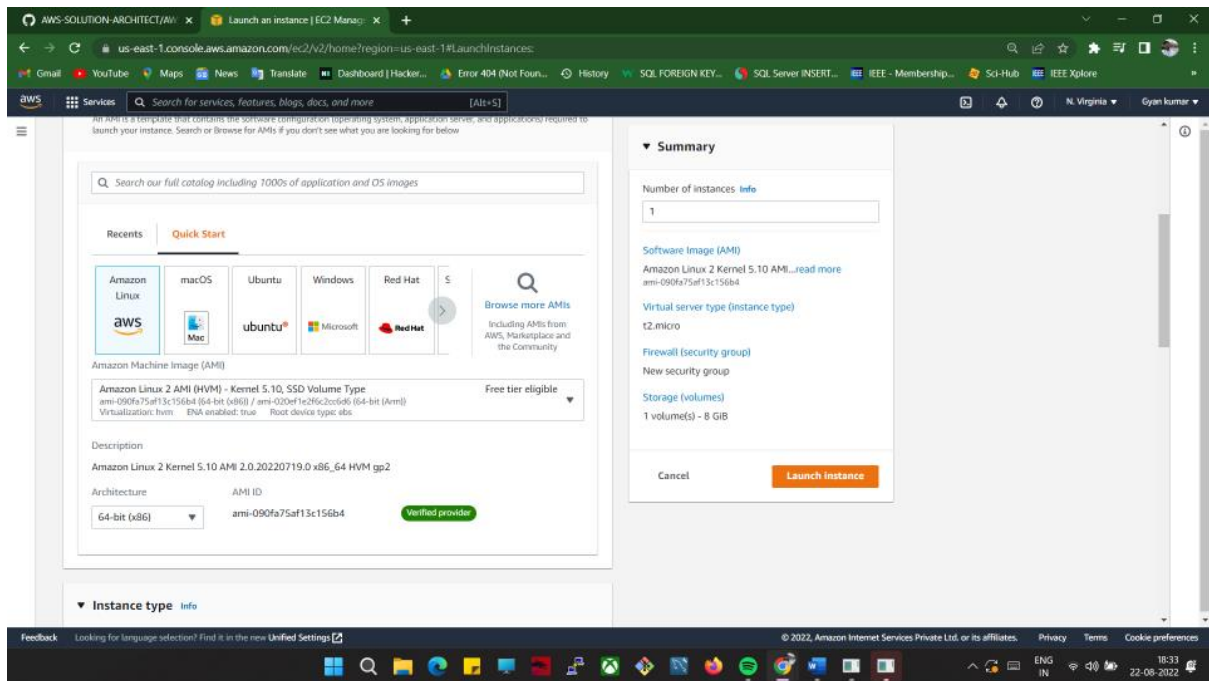
Click on launch instances



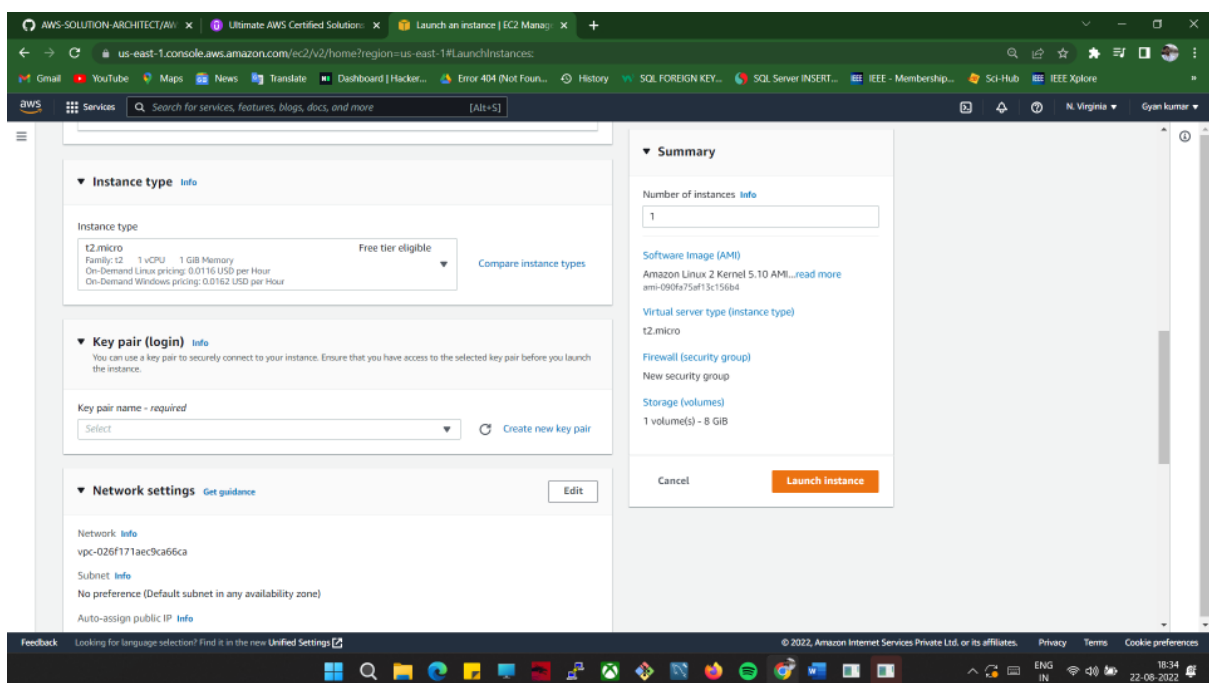
Give a name to it.



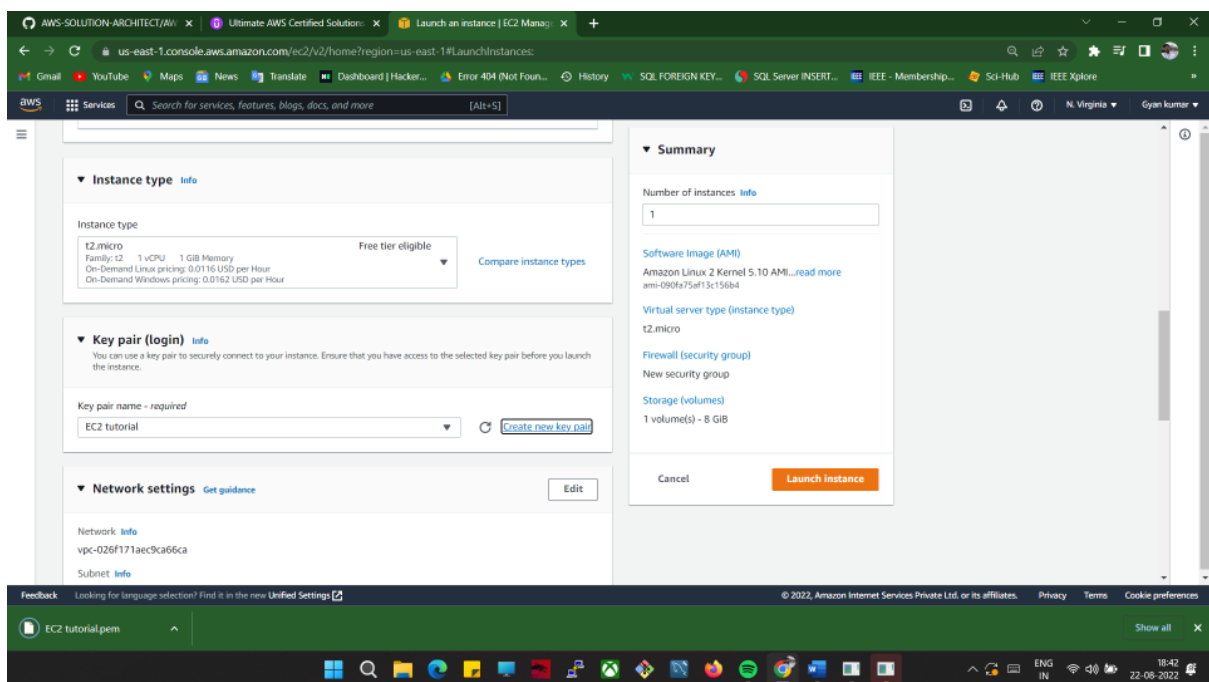
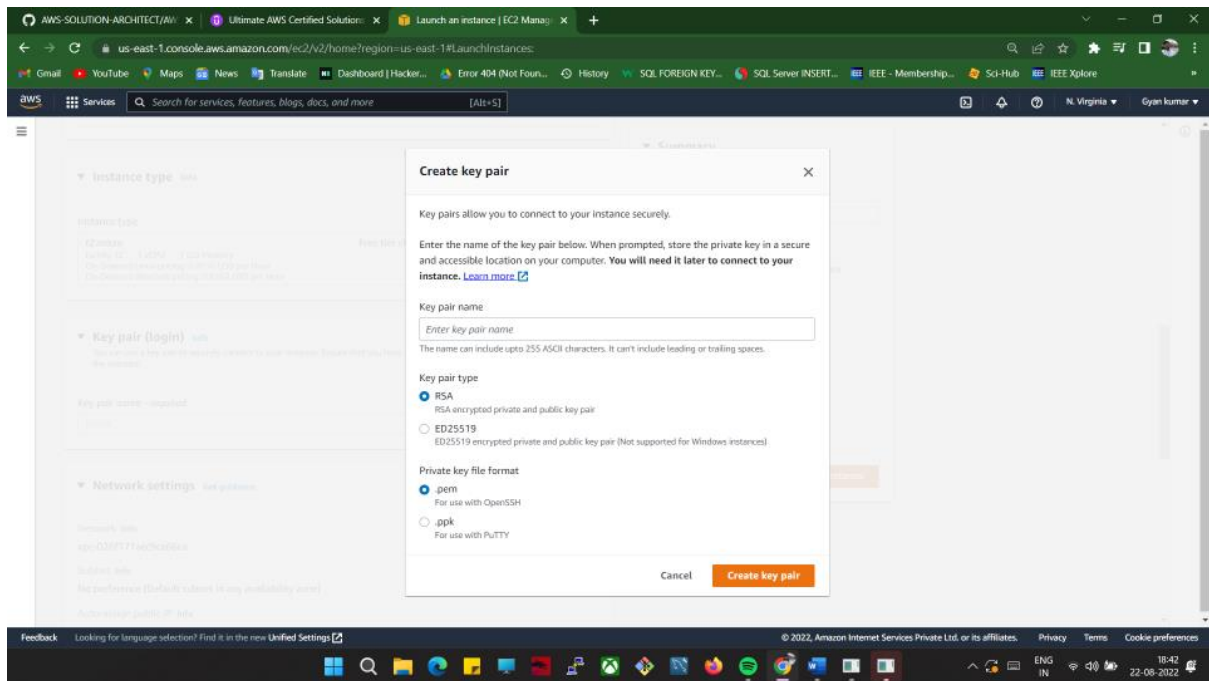
Choose AMI (OS)



Choose instance(CPU,MEMORY,etc)

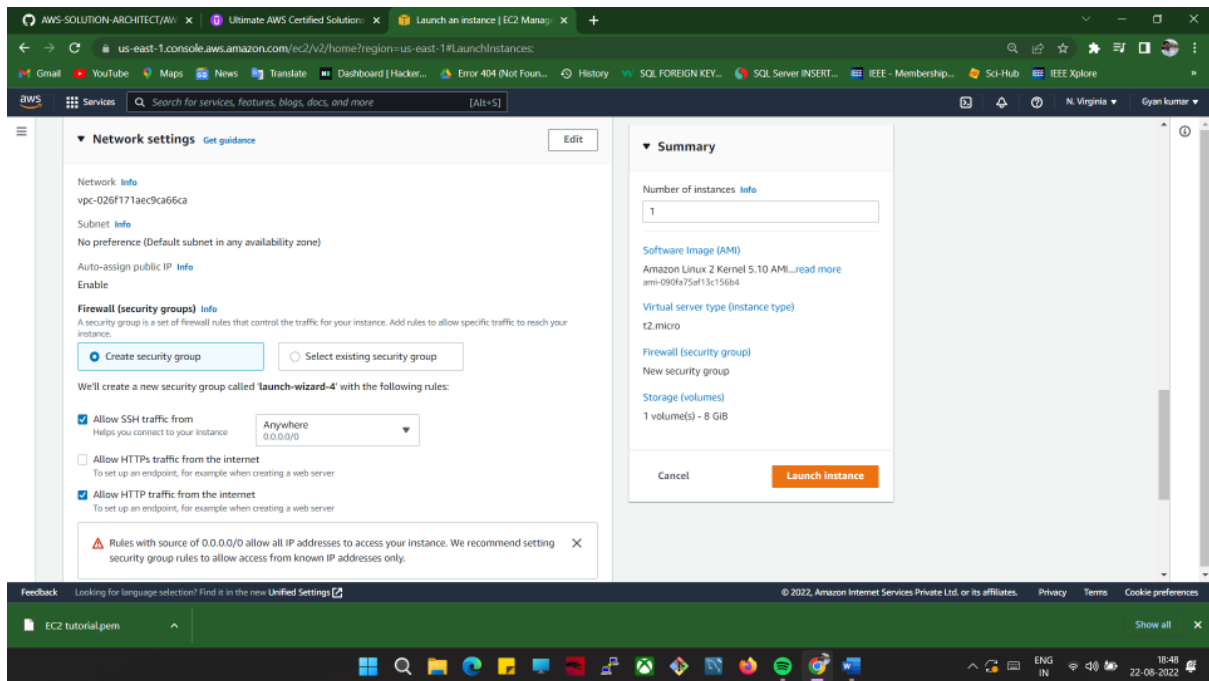


Now create a new key pair it will have your login credentials

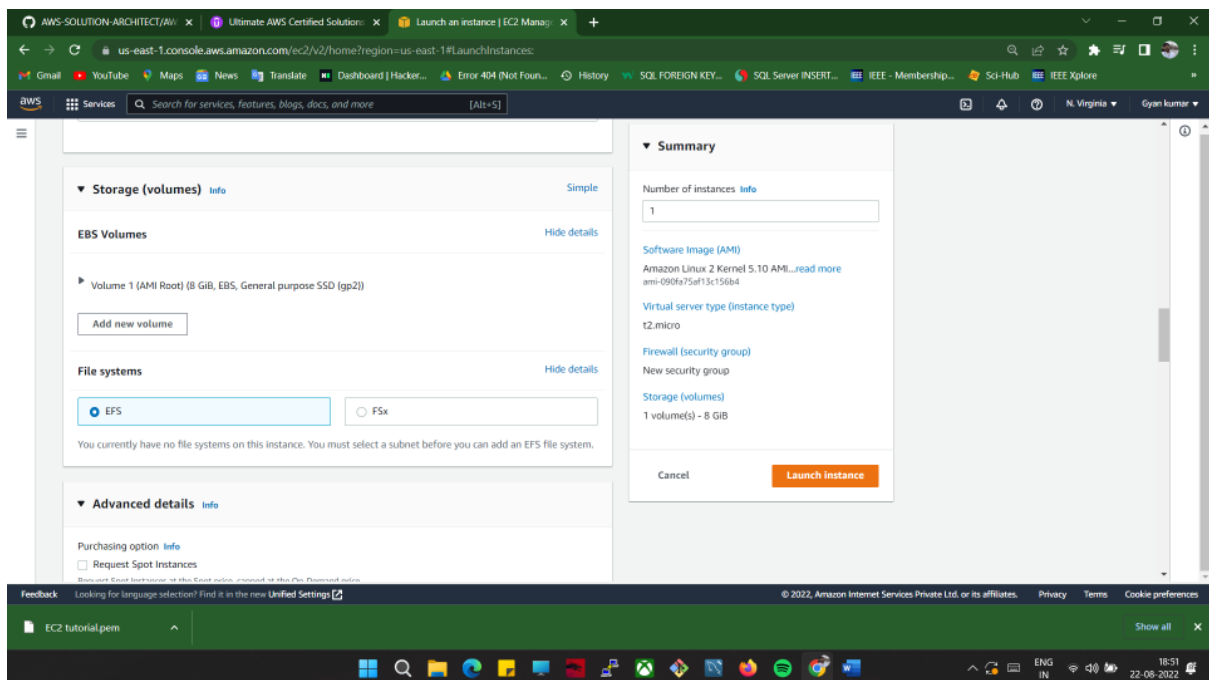


.pem is used generally but if you have lower version of windows .ppk will be used.

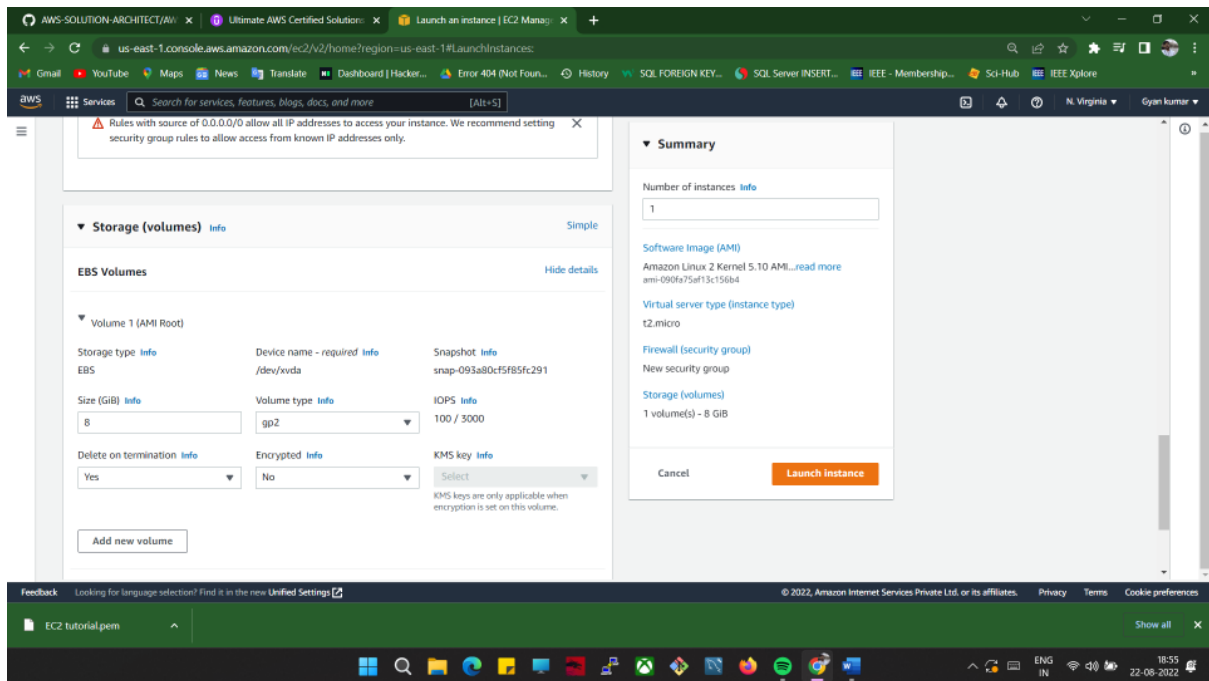
Now , explore the network setting



Now let's explore the configure storage ...



By default it will be 8gib



You can explore the option there will a option in which if you will delete the instance the EBS will also will deleted .

Now , let's explore the advanced option

For now leave the all the option except the user data .

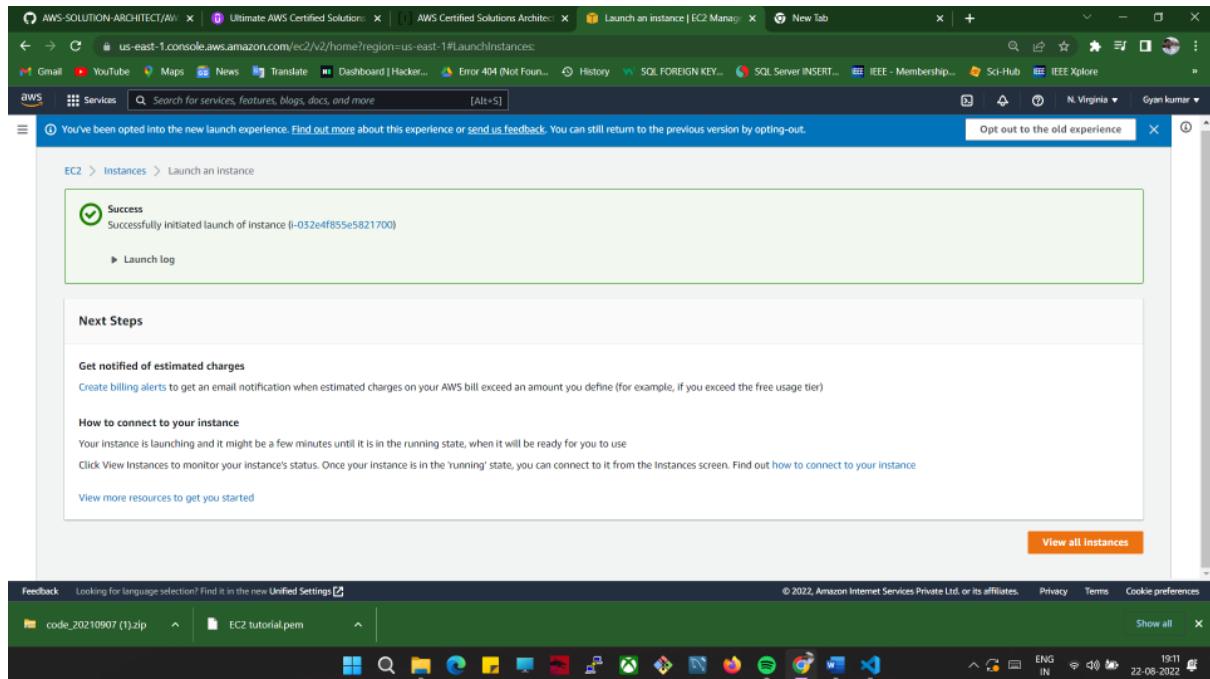
USER DATA :- are some commands which we will give to our EC2 instance to perform on the first launch of EC2.(only in the first launch)

Now paste the code :- `#!/bin/bash`

```
# Use this for your user data (script from top to bottom)
# install httpd (Linux 2 version)
yum update -y
yum install -y httpd
systemctl start httpd
systemctl enable httpd
echo "<h1>Hello World from $(hostname -f)</h1>" > /var/www/html/index.html
```

Now it will execute when it will run first time.

LAUNCH INSTANCE



Now wait for few minutes and then copy the public IP of the instance .

Paste that in url box...

Hello World from ip-172-31-91-27.ec2.internal

Now if you will stop the instance and try to run the ip then it will go in infinite loading state but if you will start it aws will assign a new ip address to the instance .

BUT PRIVATE IP WILL WE SAME . <3 😊

