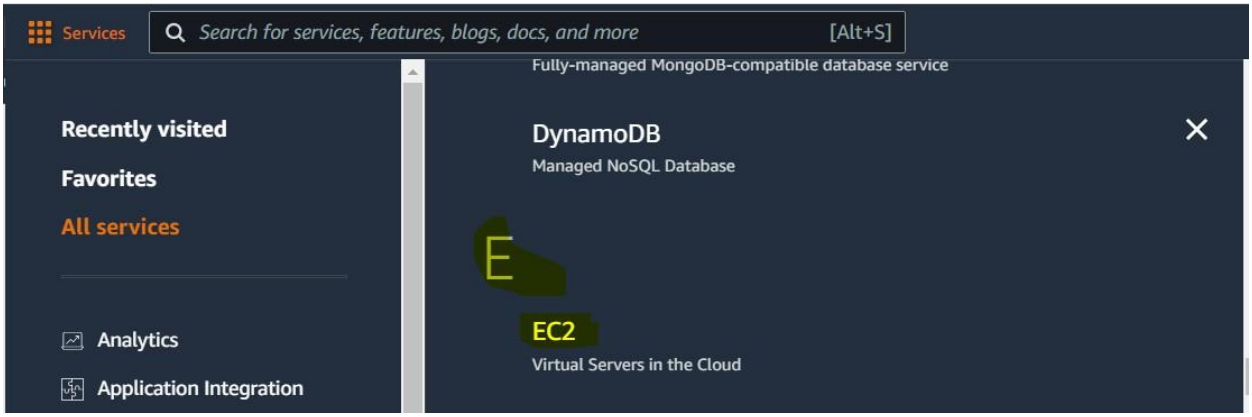
Procedure To launch the EC2 instance / VM / Server.

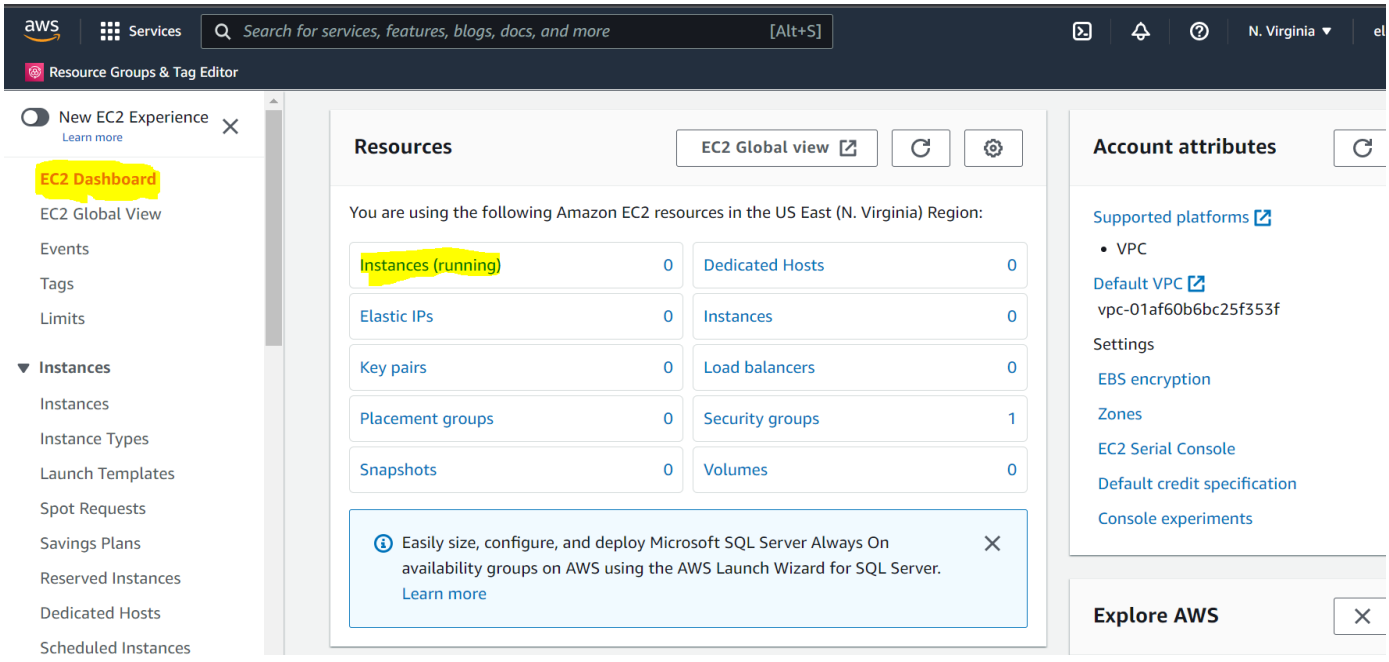
Login in to amazon Webservice https://aws.amazon.com

Search for EC2 in services or open below link

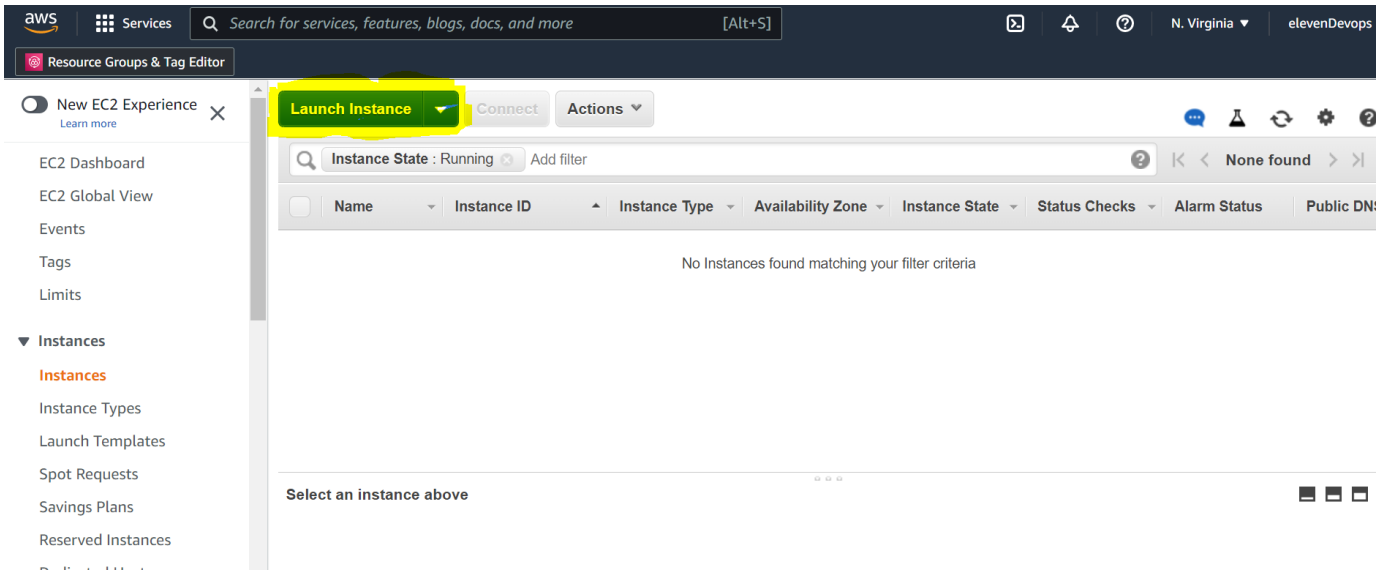
Open the Amazon EC2 console at https://console.aws.amazon.com/ec2/



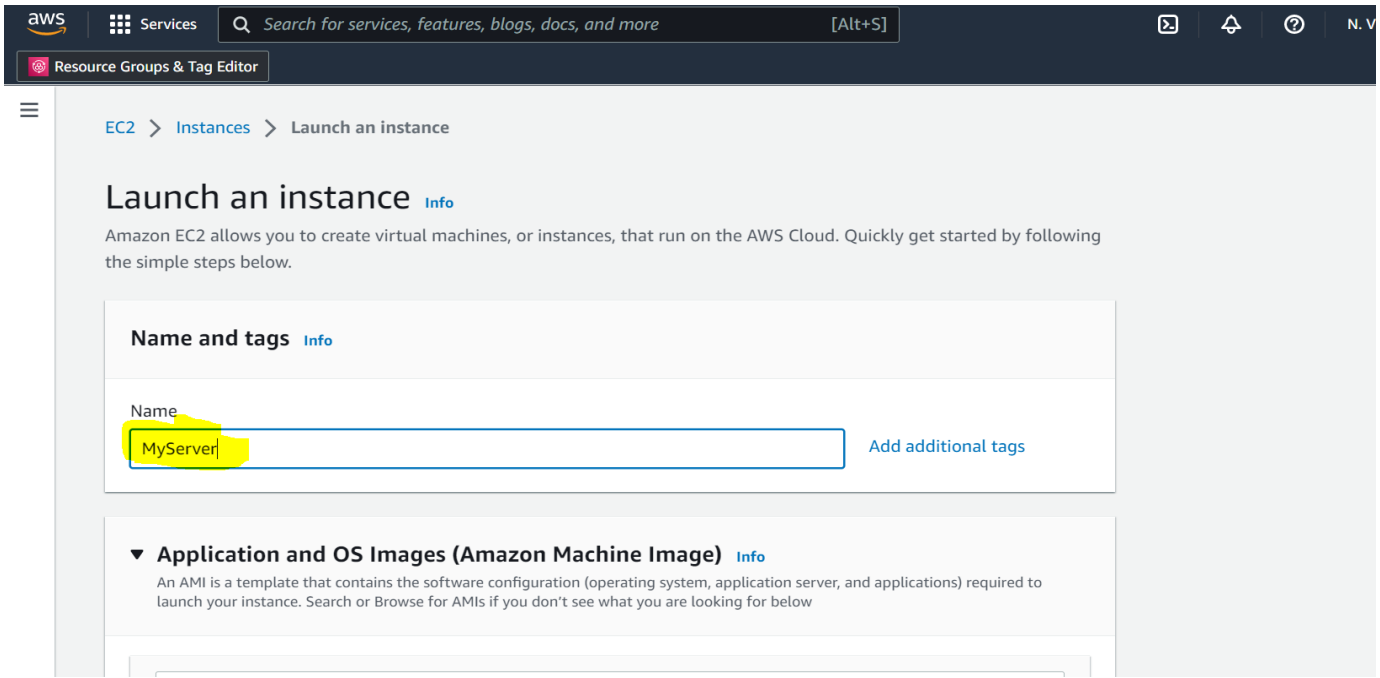
we need to click on EC2 Dashboard , instances (running)



Choose **Launch Instance**.

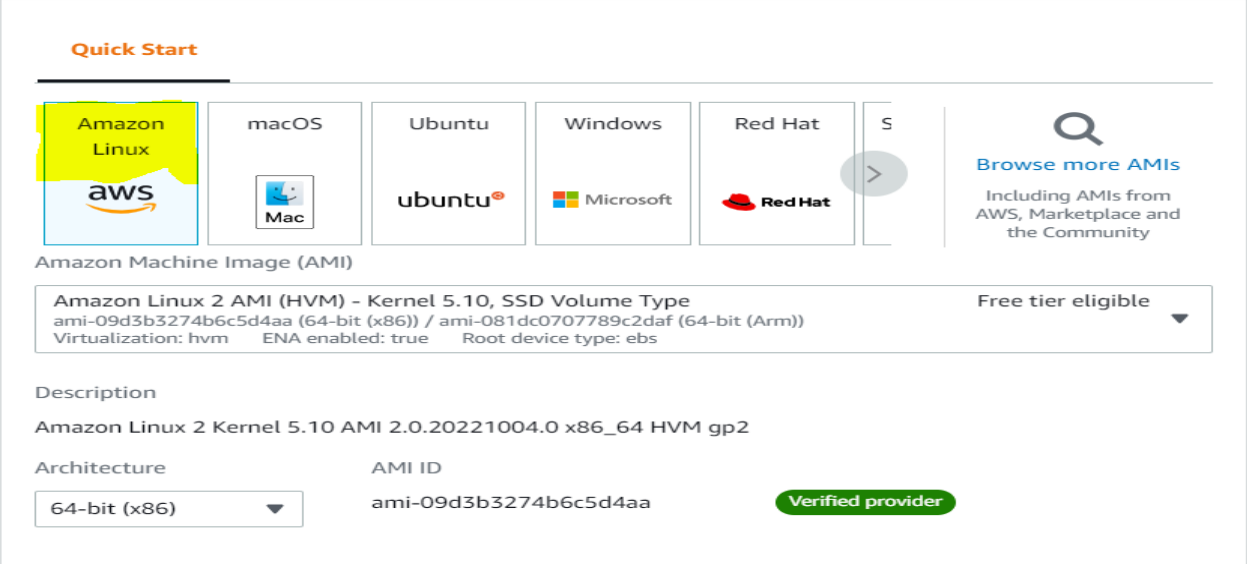


New page will gets opened like below, give a name to your server as shown below & scroll down the page for options

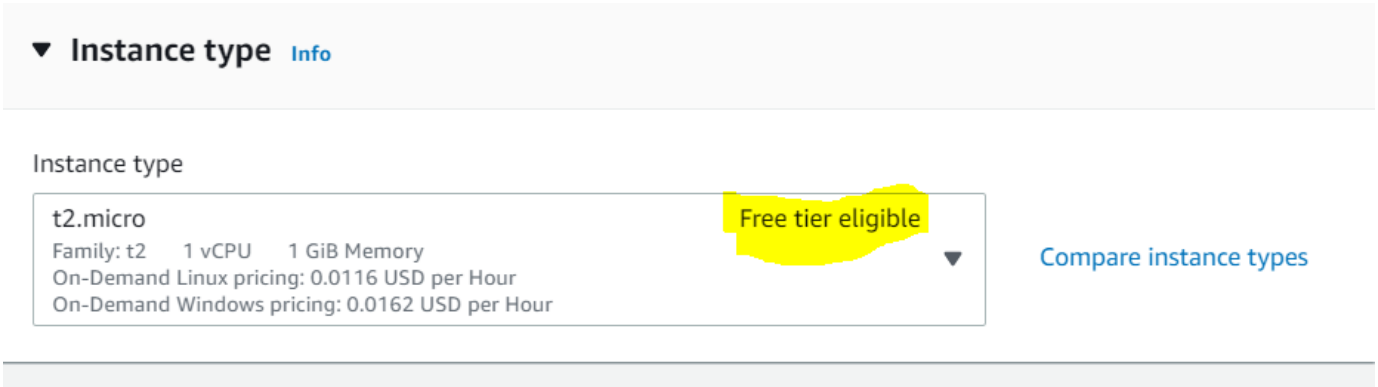


Step 1: Application and OS Images (Amazon Machine Image)
(** Leave everything as default)

Choose an Operating system Amazon Linux AMI (or ubuntu)

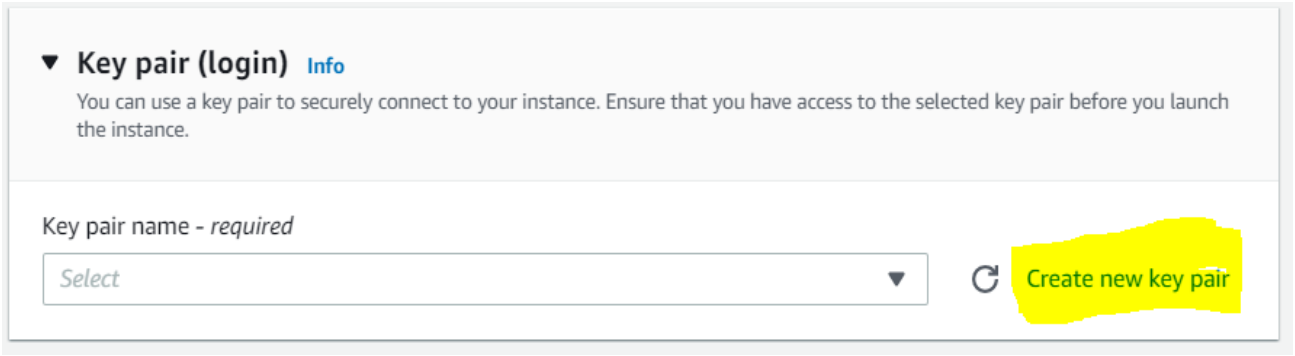


Step 2: Choose an Instance Type (** Leave everything as default)



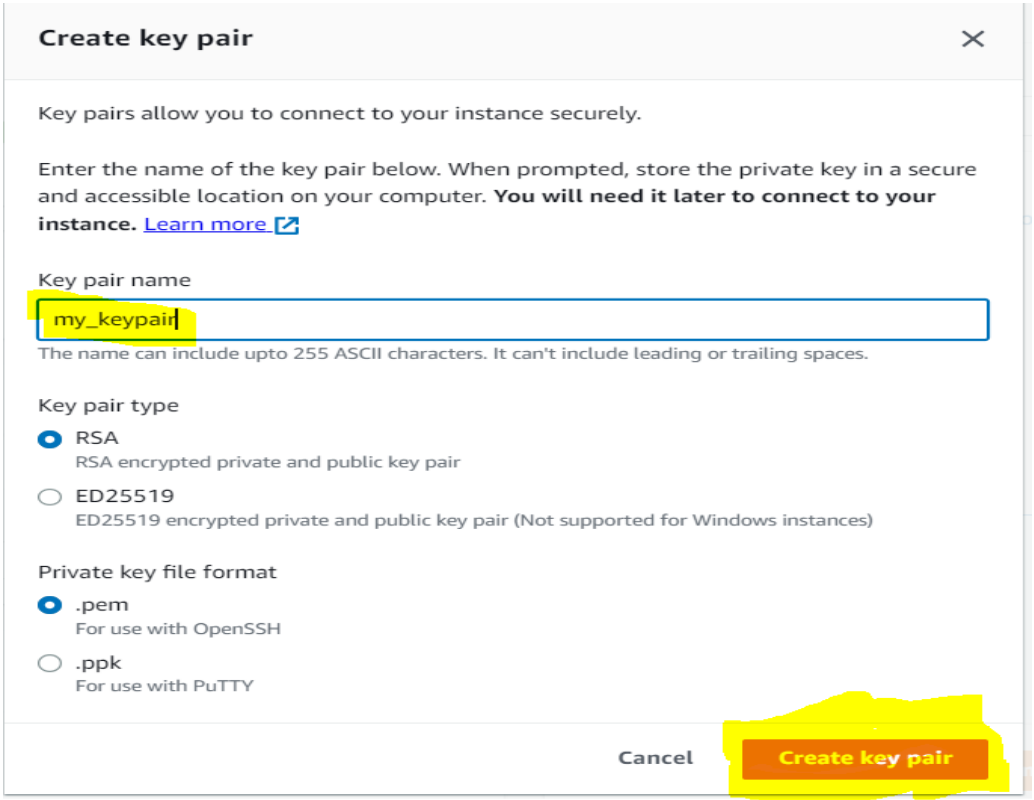
Step 3: Key pair (login)

Click on create new keypair

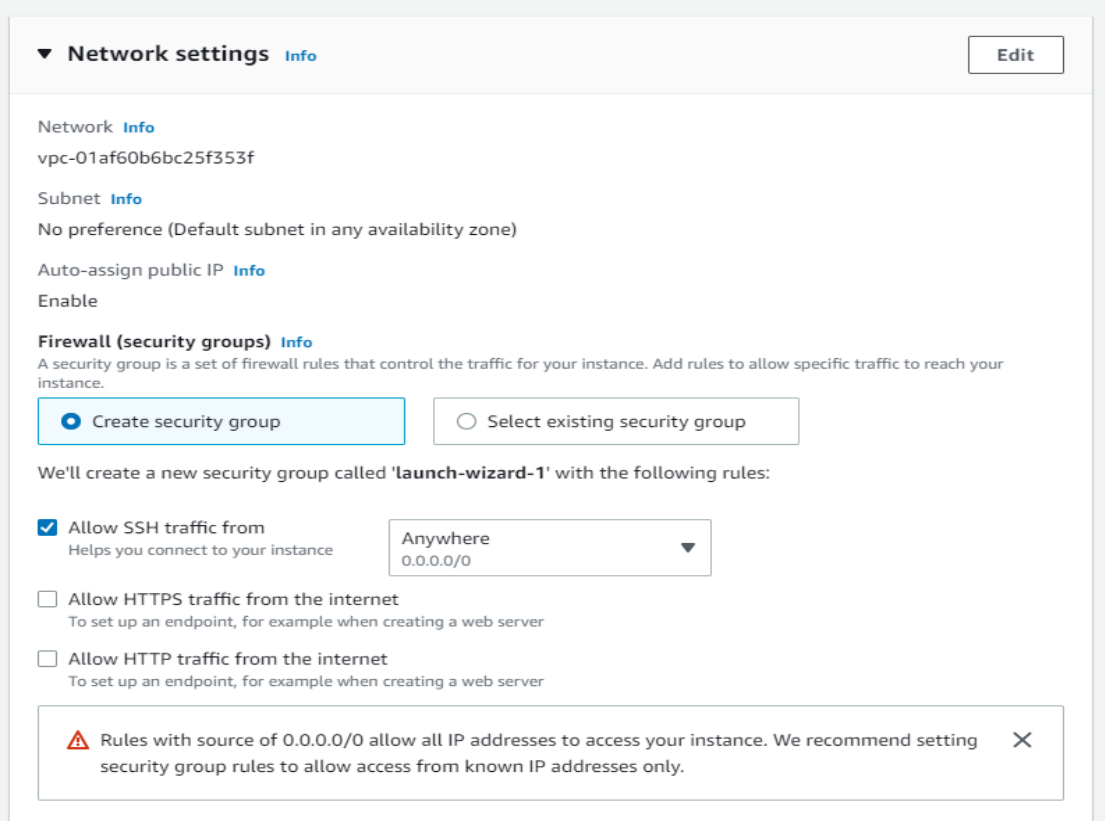


New window will get popped up give keypair a name & download to your computer

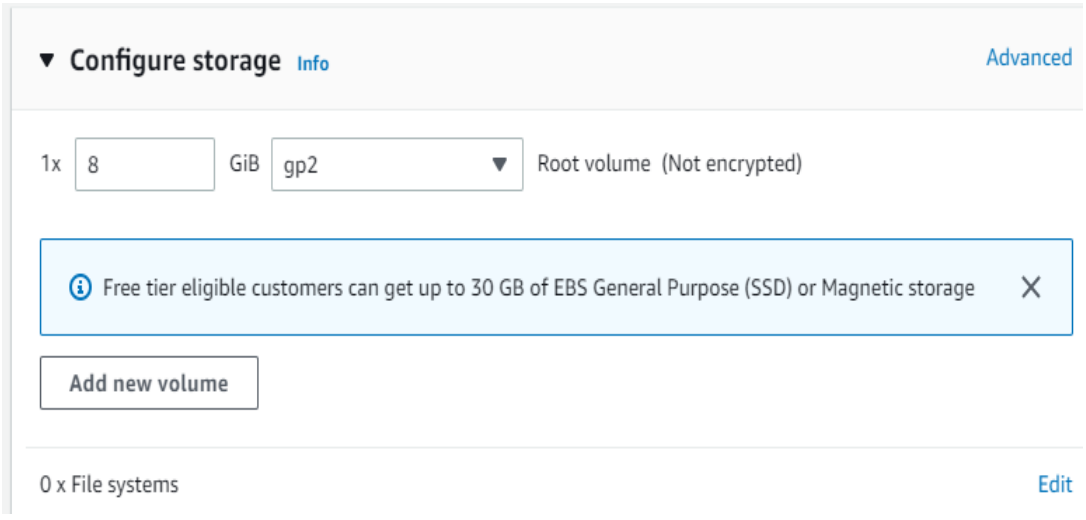
Note: don't give space while naming keypair



Step 4: Network settings (** Leave everything as default)

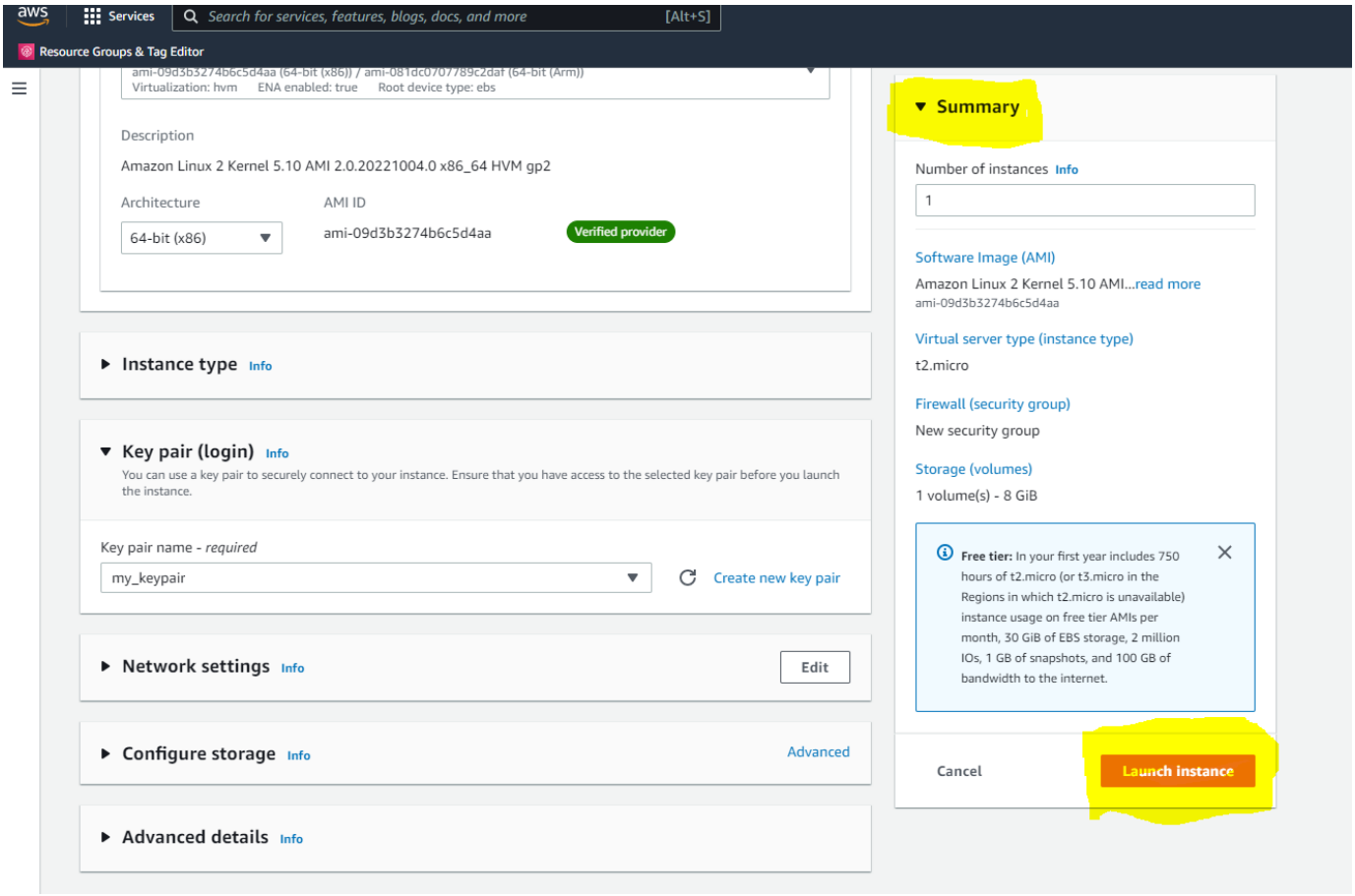


Step 5: Configure storage (** Leave everything as default)

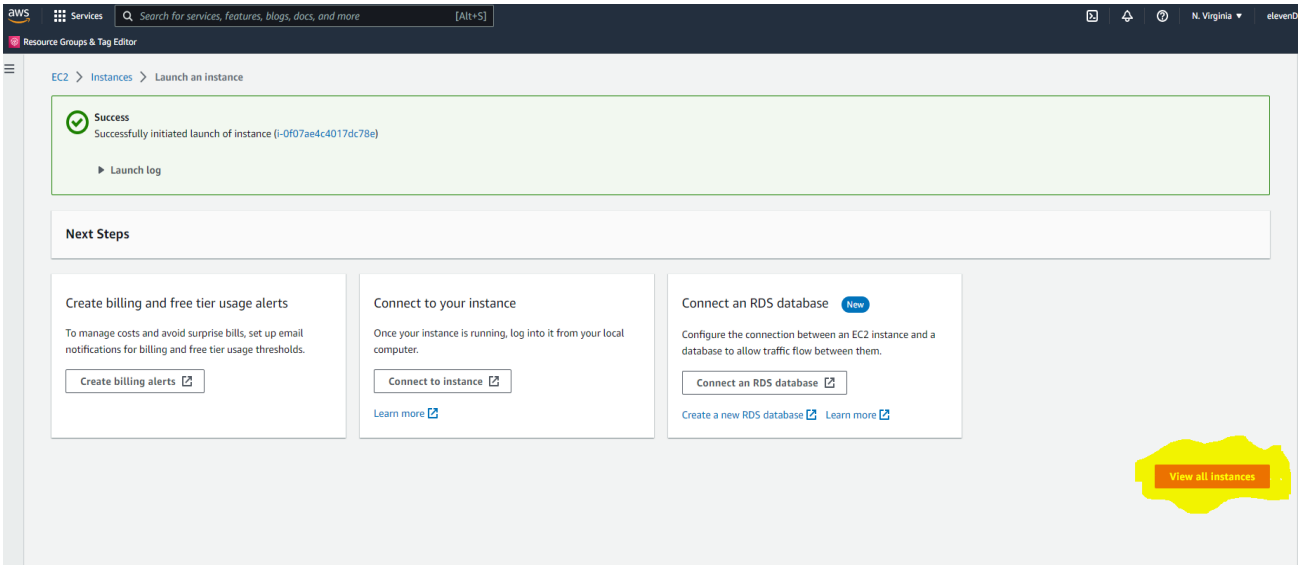


In Step 6: Summary(** Leave everything as default)

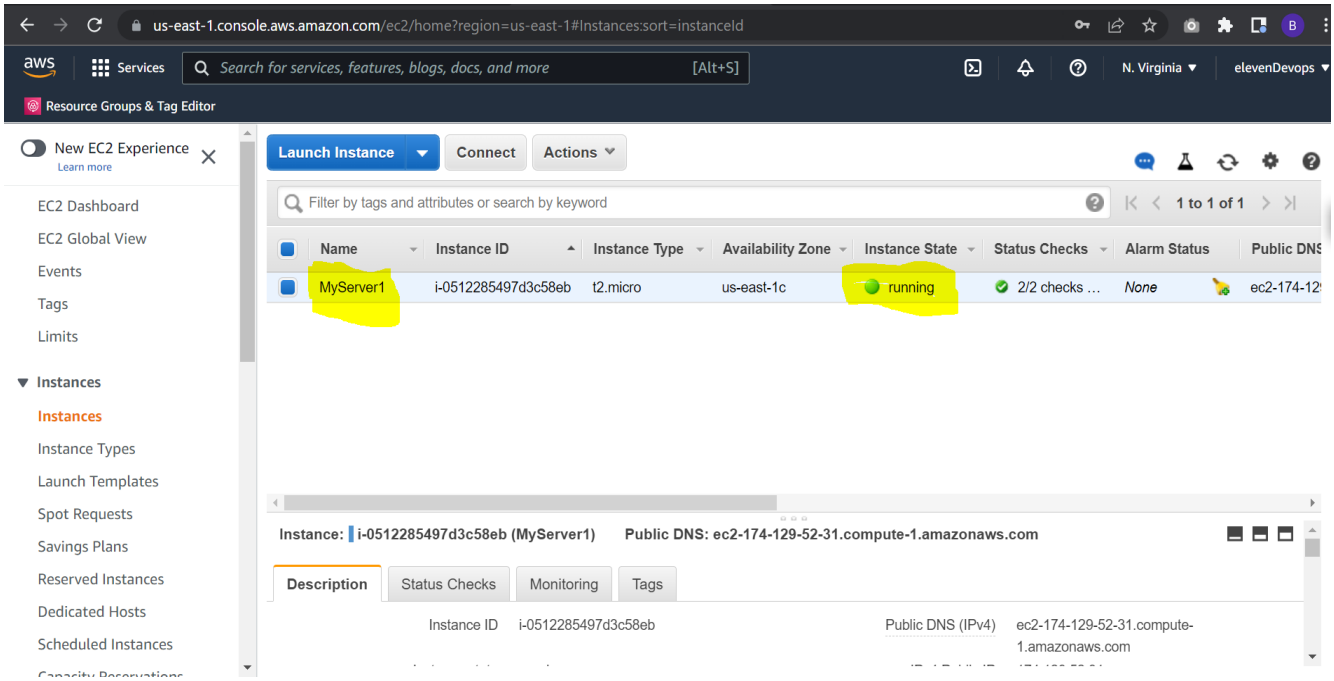
Click on launch instance



Click on view all instances



Instance will be launched in 3-4 minutes...

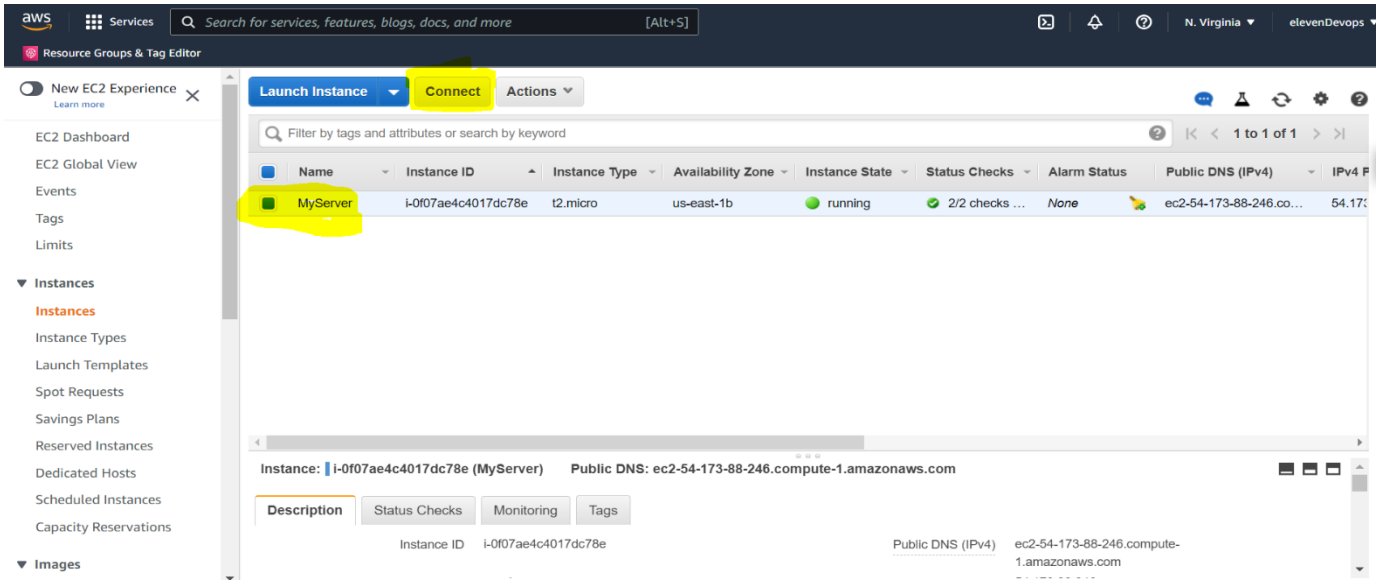


If you see like this you have launched an EC2 instance / server succesfull

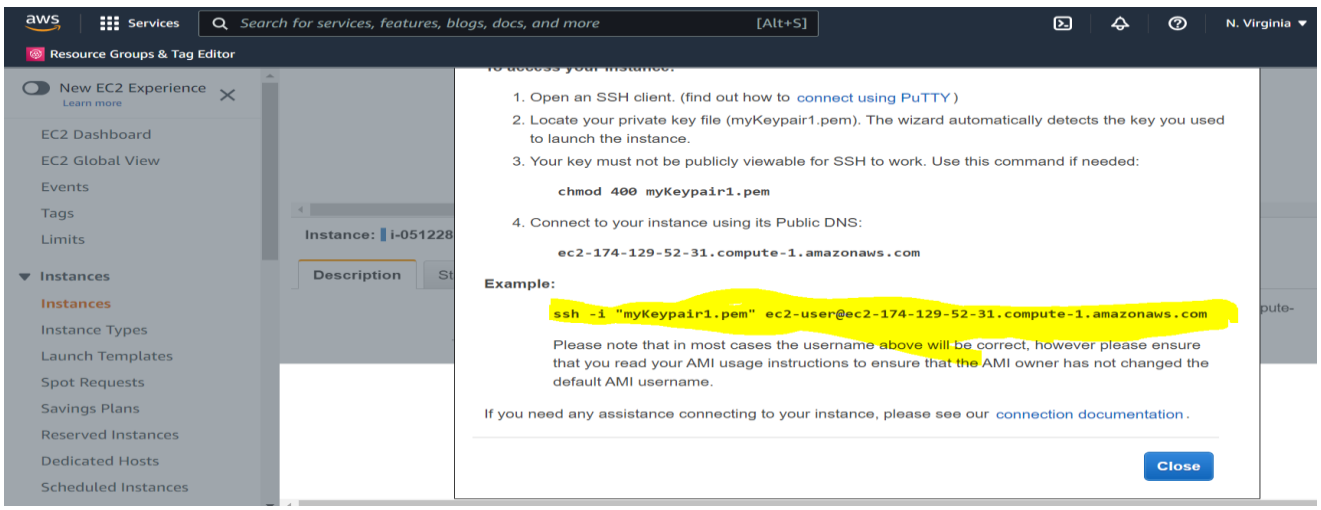
Procedure to connect to Servers / EC2 Instances / Virtual Machine created from our Laptop:

To connect to your Ec2 instance need to select instance and click on connect

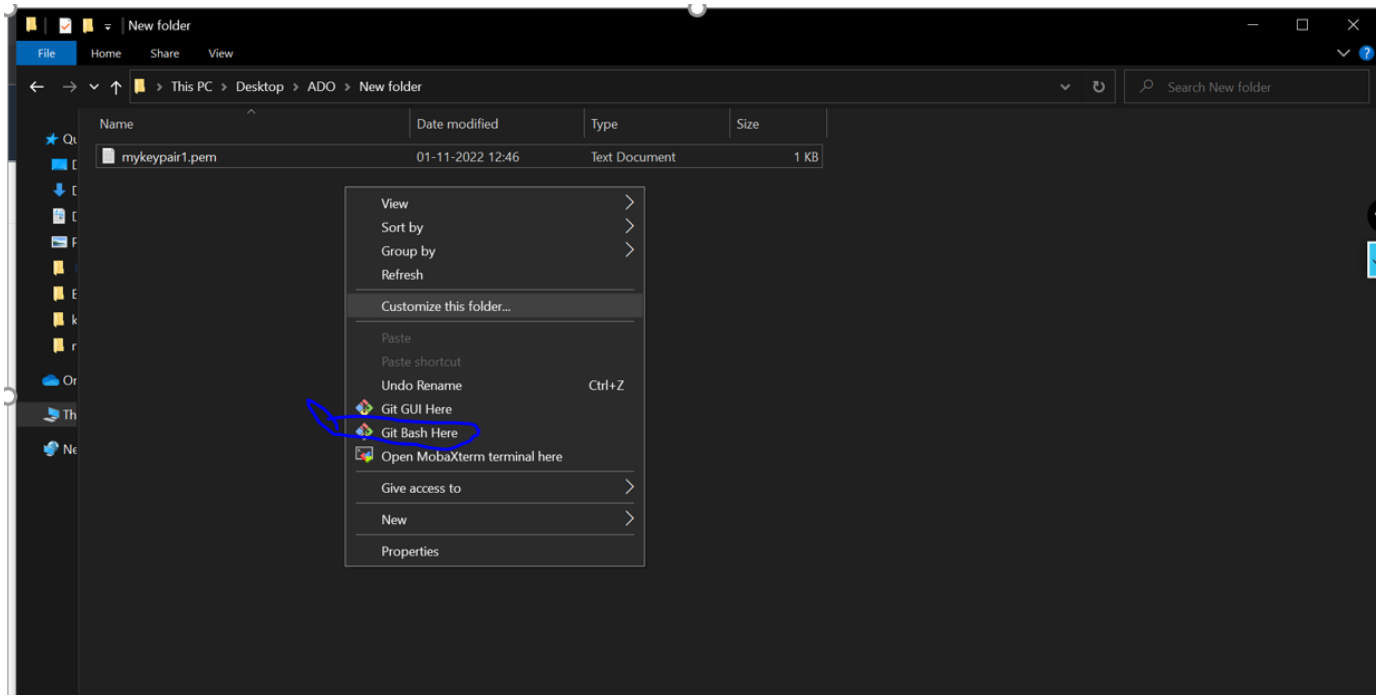
Click on instance name & select connect option



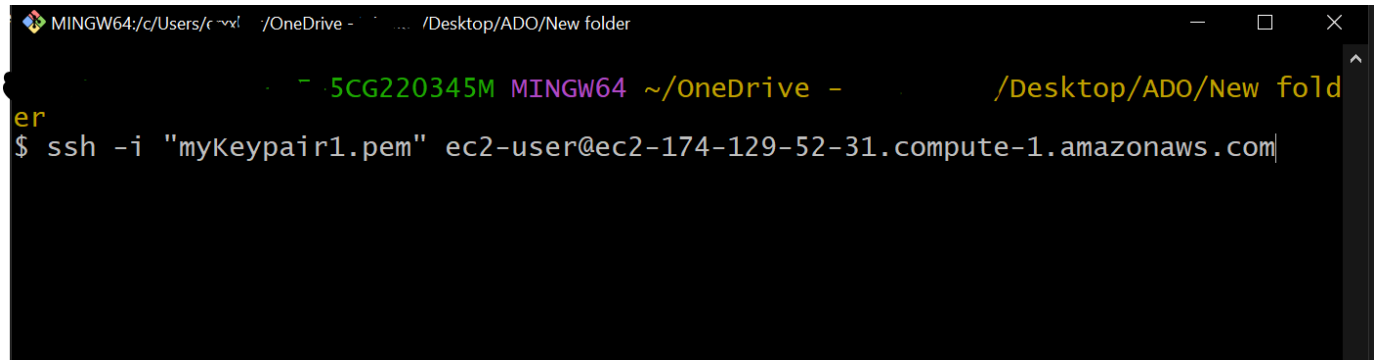
Copy command under example as highlighted below



Go to folder where you have downloaded your key file & right click on blank space & select git bash here option as below



Paste the command as copied from , paste & press enter



Select yes & you are connected to EC2-instance….

If your connected successfully you should see something like this

```
ec2-user@ip-172-31-93-35:~

                    MINGW64 ~/Desktop/July 2022
$ ssh -i "classes_keypair.pem" ec2-user@ec2-44-203-151-39.compute-1.amazonaws.co
m
The authenticity of host 'ec2-44-203-151-39.compute-1.amazonaws.com (44.203.151.
39)' can't be established.
ED25519 key fingerprint is SHA256:zI/zpJtF4qonygCOdrWEMS7gq81gX2L8EFtCAYZQOuU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-44-203-151-39.compute-1.amazonaws.com' (ED25519)
 to the list of known hosts.

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-93-35 ~]$
```

FYI:

Please stop instances when your are not using the servers

Connection Flow diagram