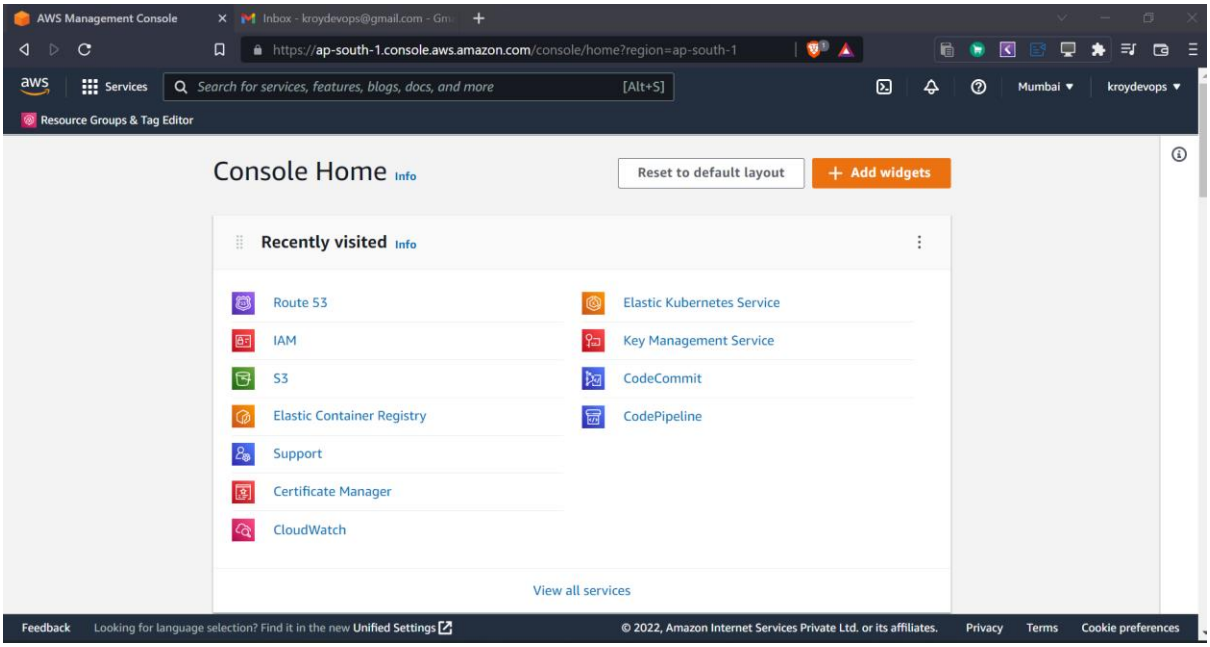
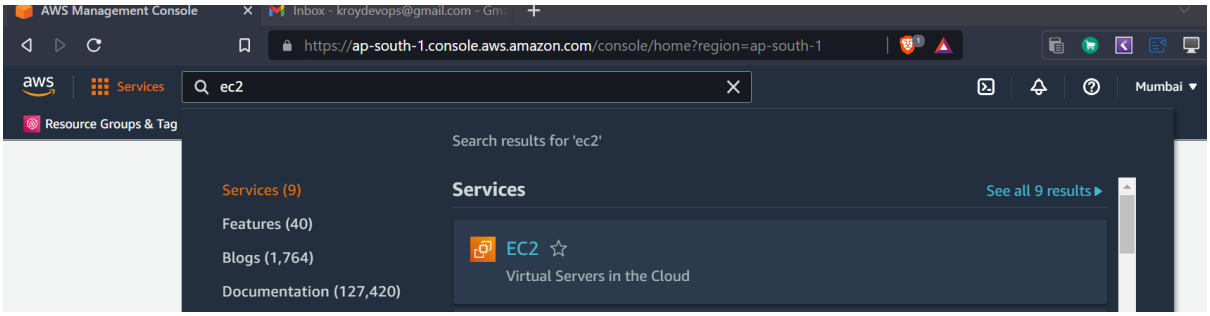
Learn how to launch an EC2 instance (linux) on aws account.

Steps:-

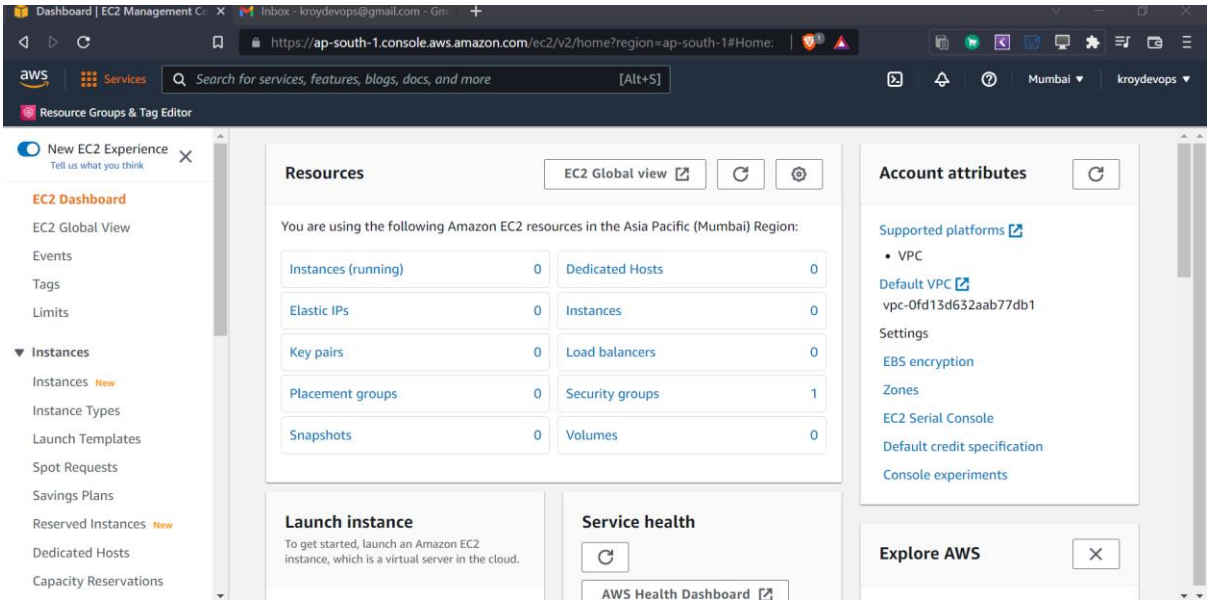
1. Sign in to aws console.



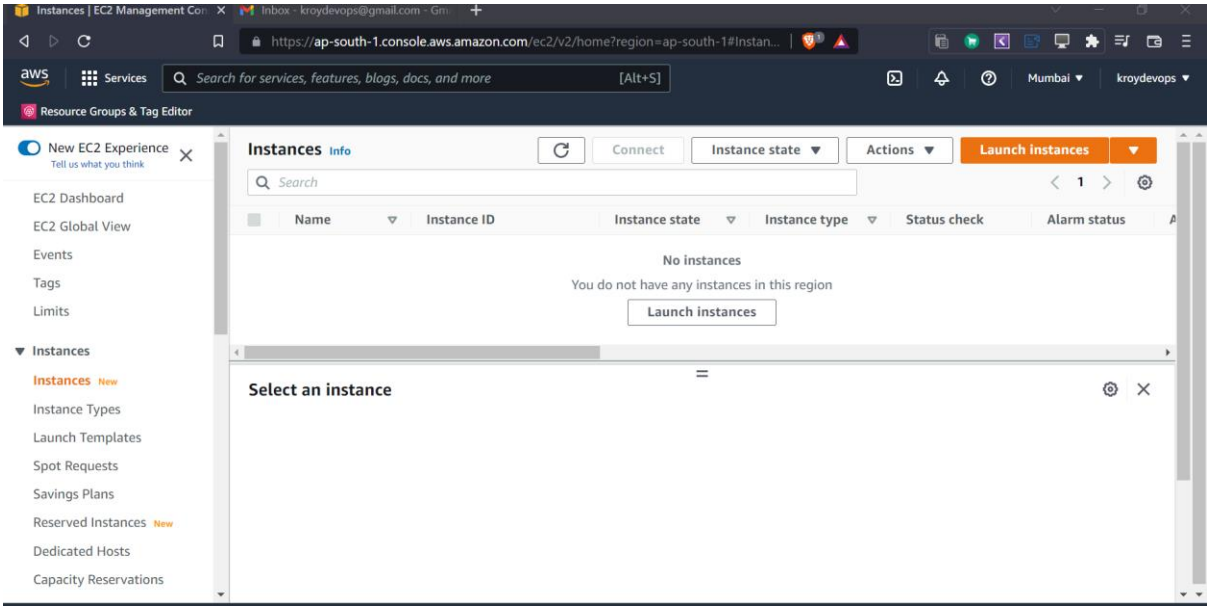
2. Search EC2 and then click enter.



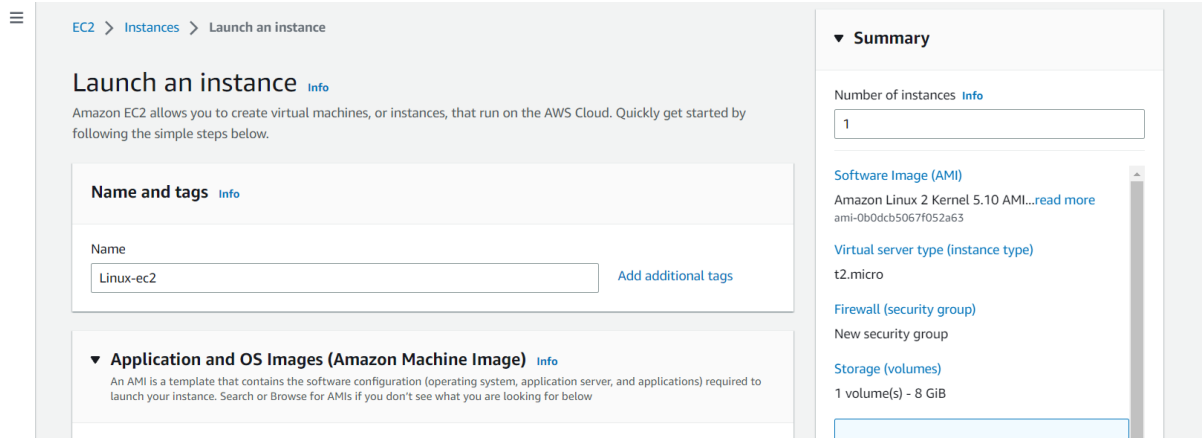
3. After clicking on ec2 you will land to this page.



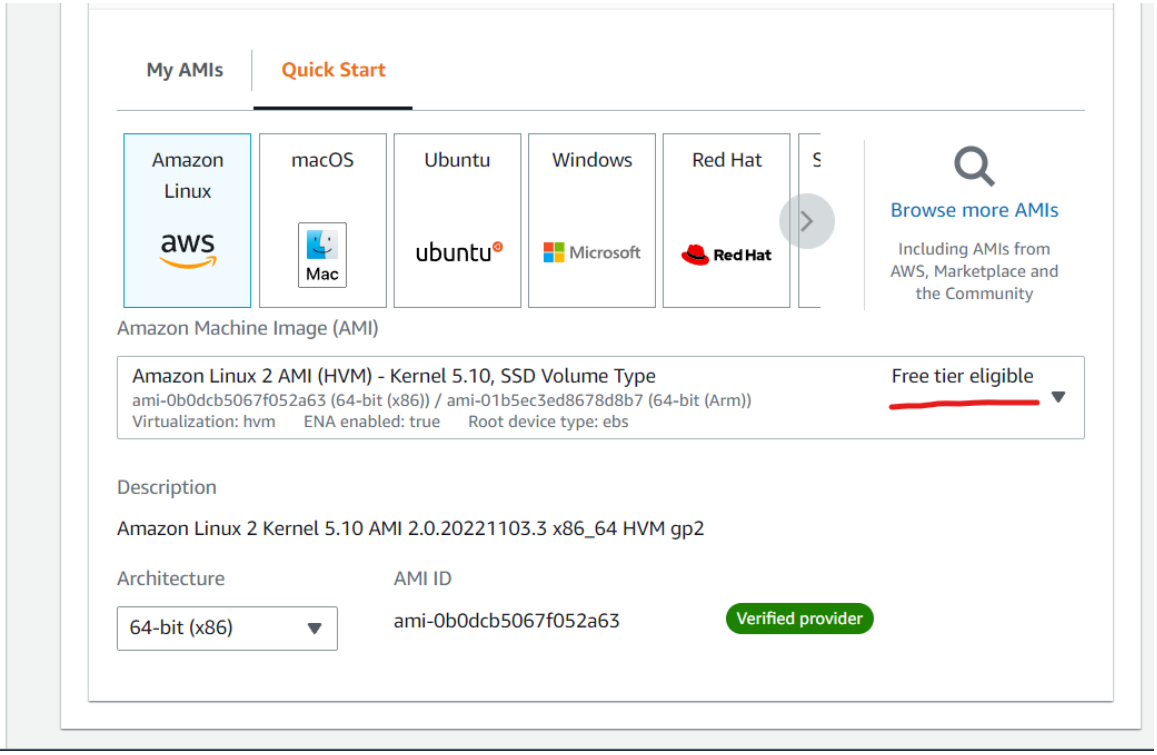
4. Click on “instances new” on the left hand side .



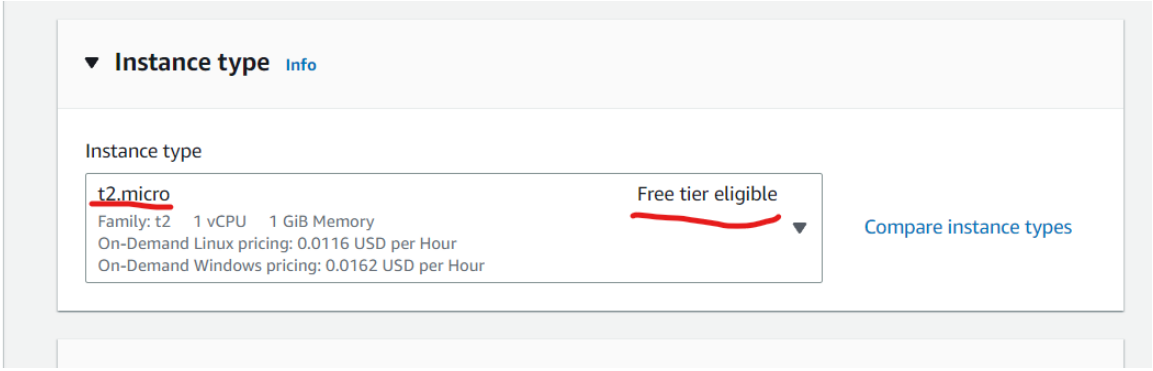
5. Click on launch instances and then enter name and number of instances



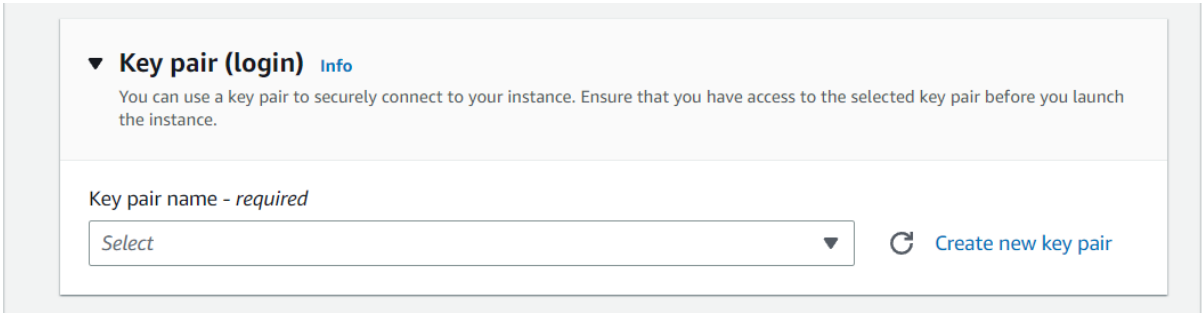
6. Now choose amazon linux AMI, you can choose any images which you want to use but some of the images don't come in free tier.

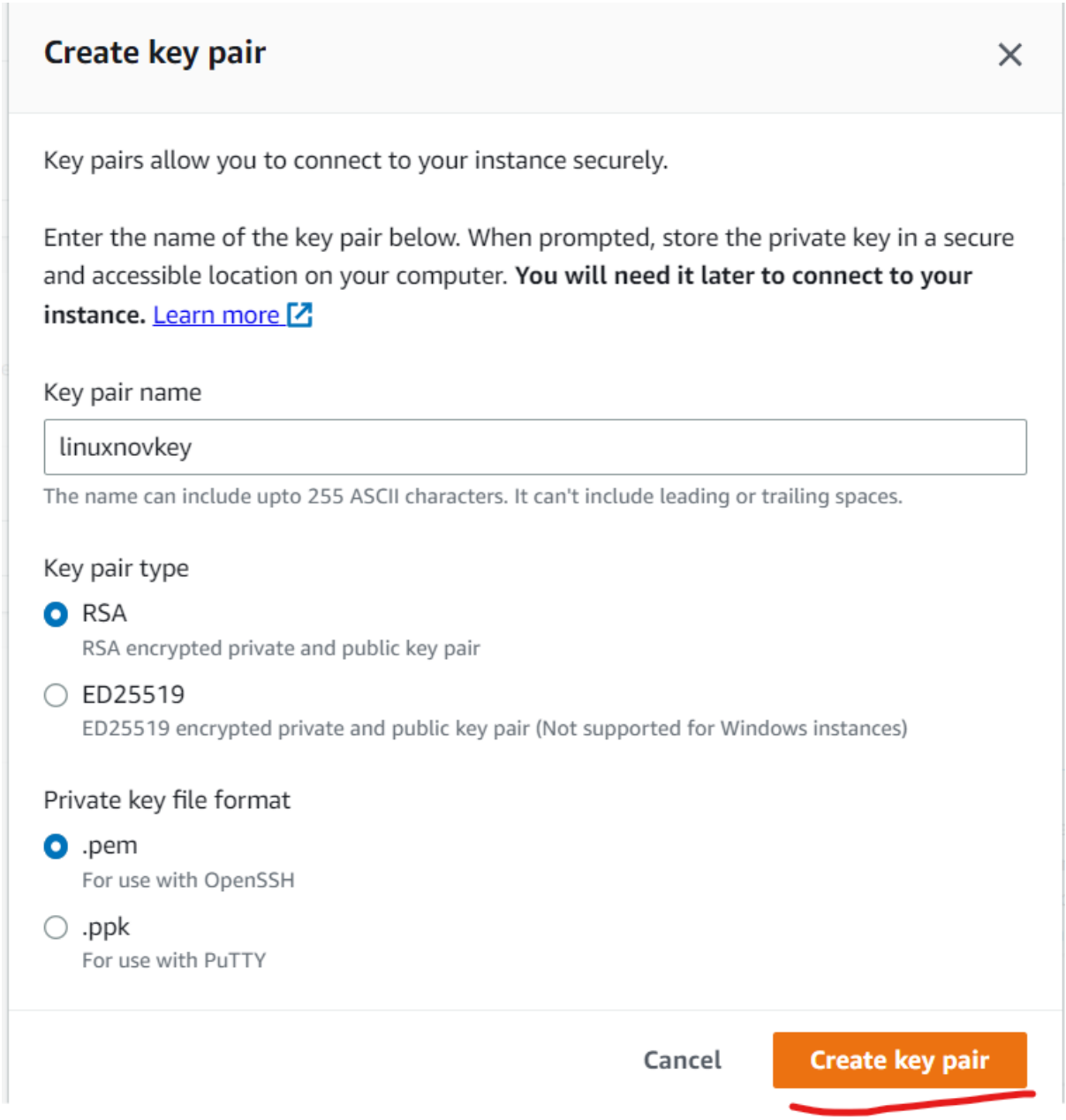


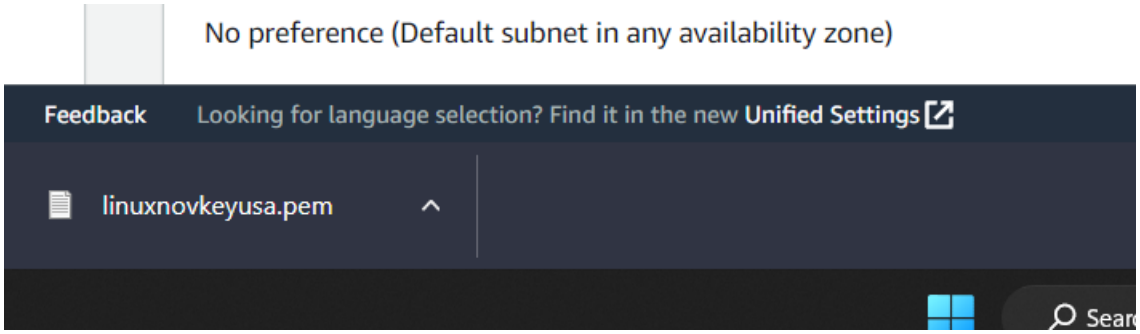
7. Choose the instance type, here we are choosing t2.micro because it comes under the free tier



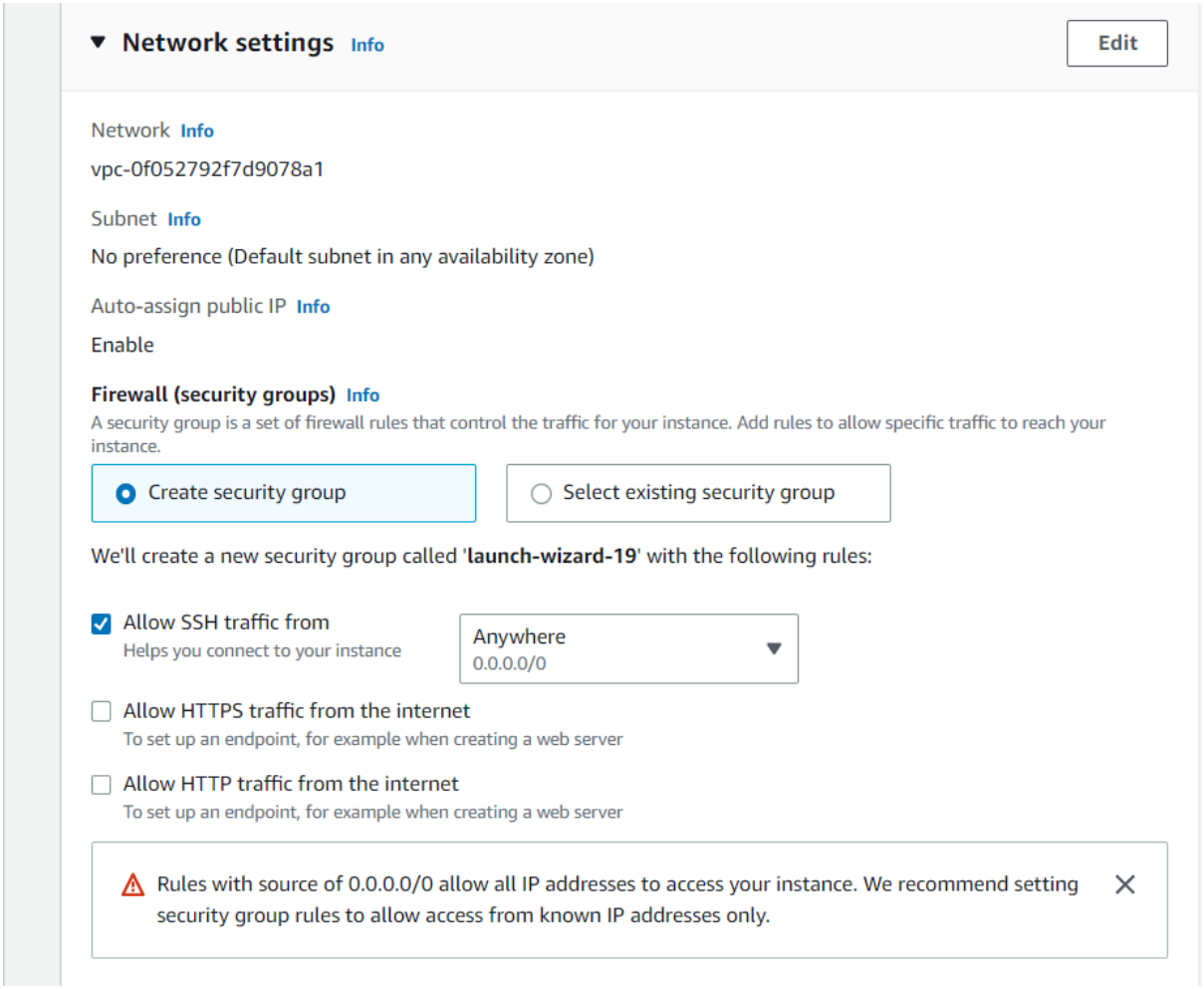
8. Now create a key pair for you machine , it’s like a password setup for your newly launched instance.



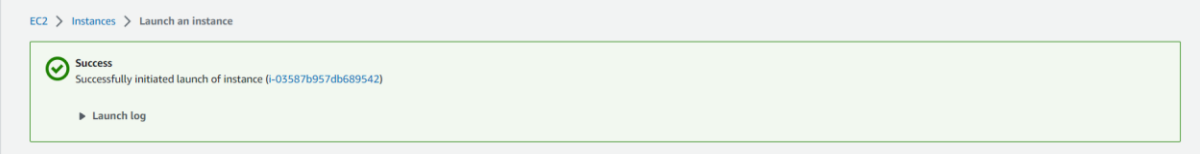




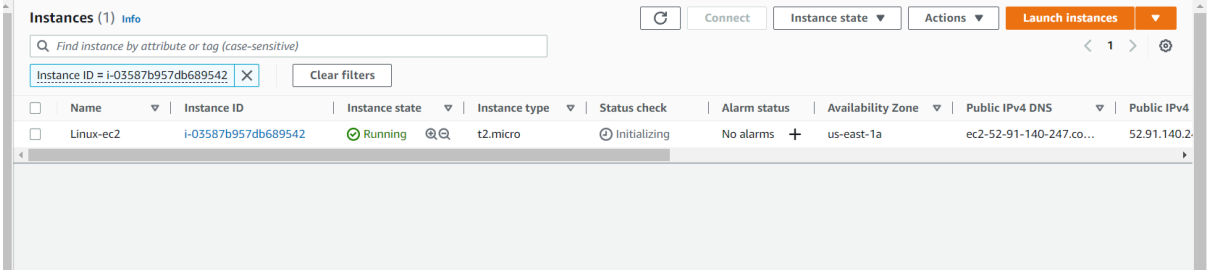
9. Check network settings



10. Now click on Launch.



11. Now click on instance ID



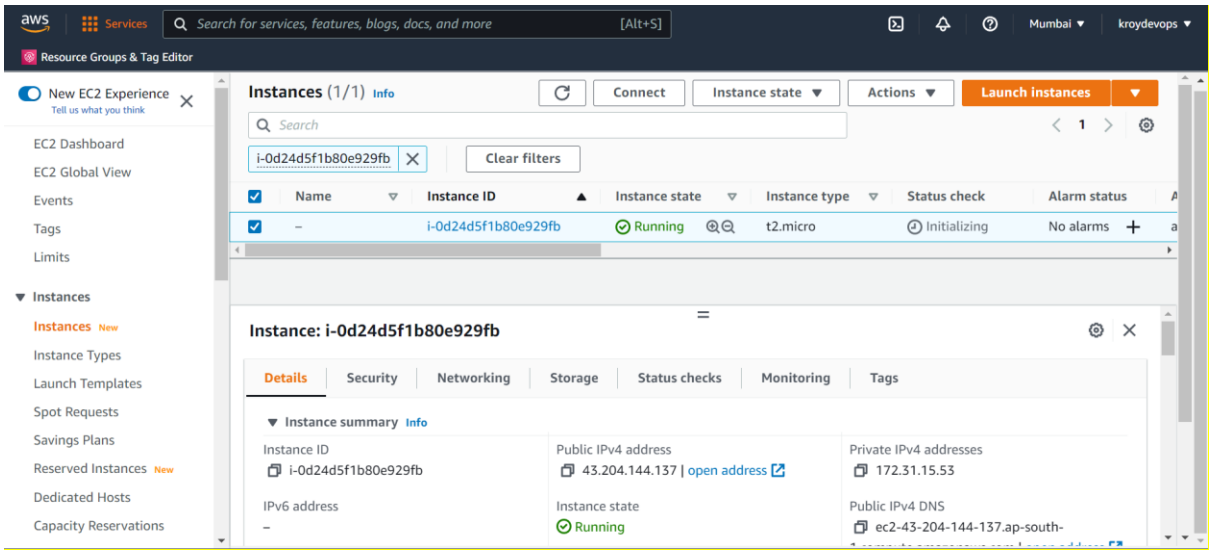
Now our Instance is up and running.

There are many ways to connect to our new launched ec2-instance.

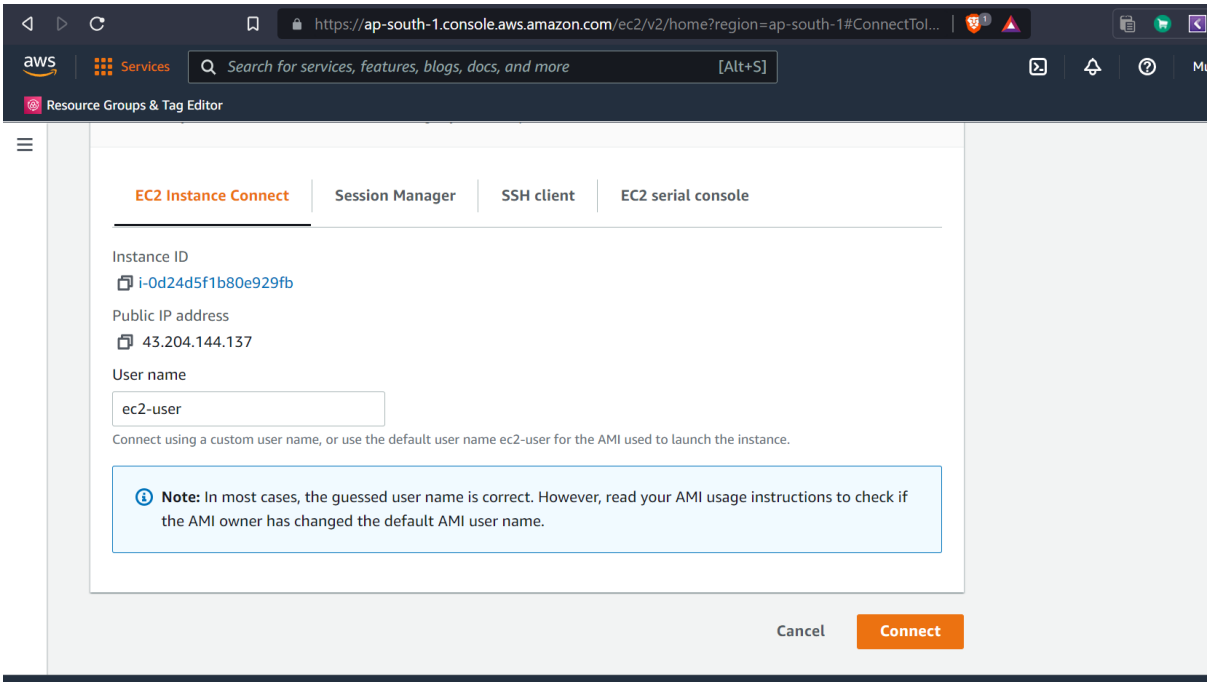
1. Direct connect from AWS (Browser access)
2. Using Putty (for windows people)
3. Using ssh (for linux or mac os people)

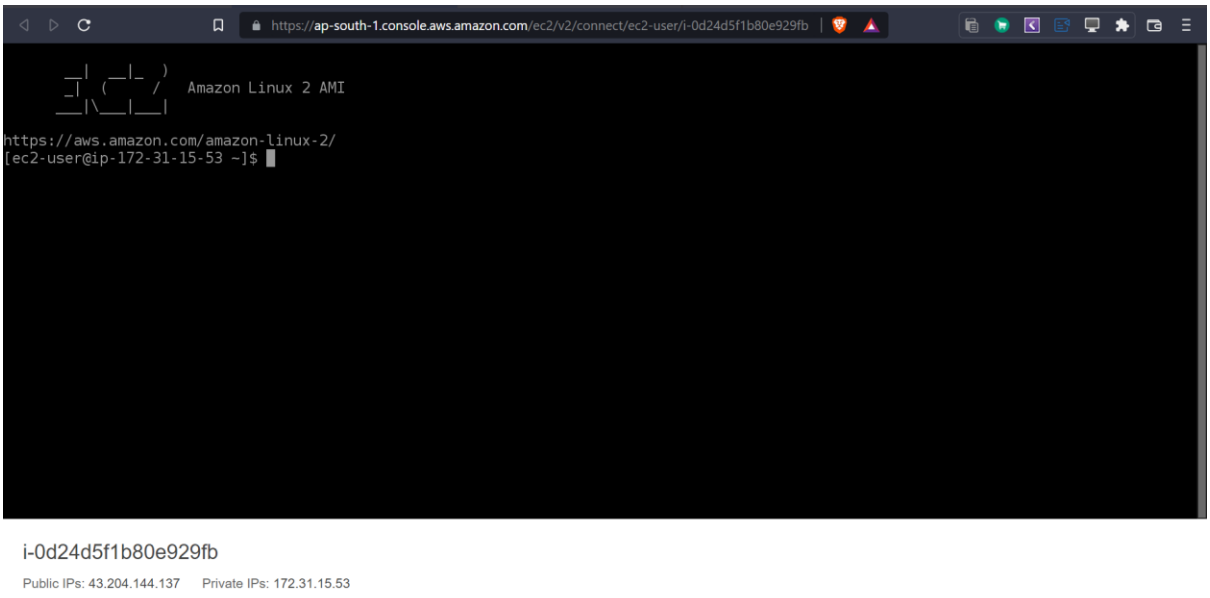
Direct connect (works only for some images like amazon and ubuntu)

1. Select the box of ec2-instance and click on connect written above.



2. Click on connect

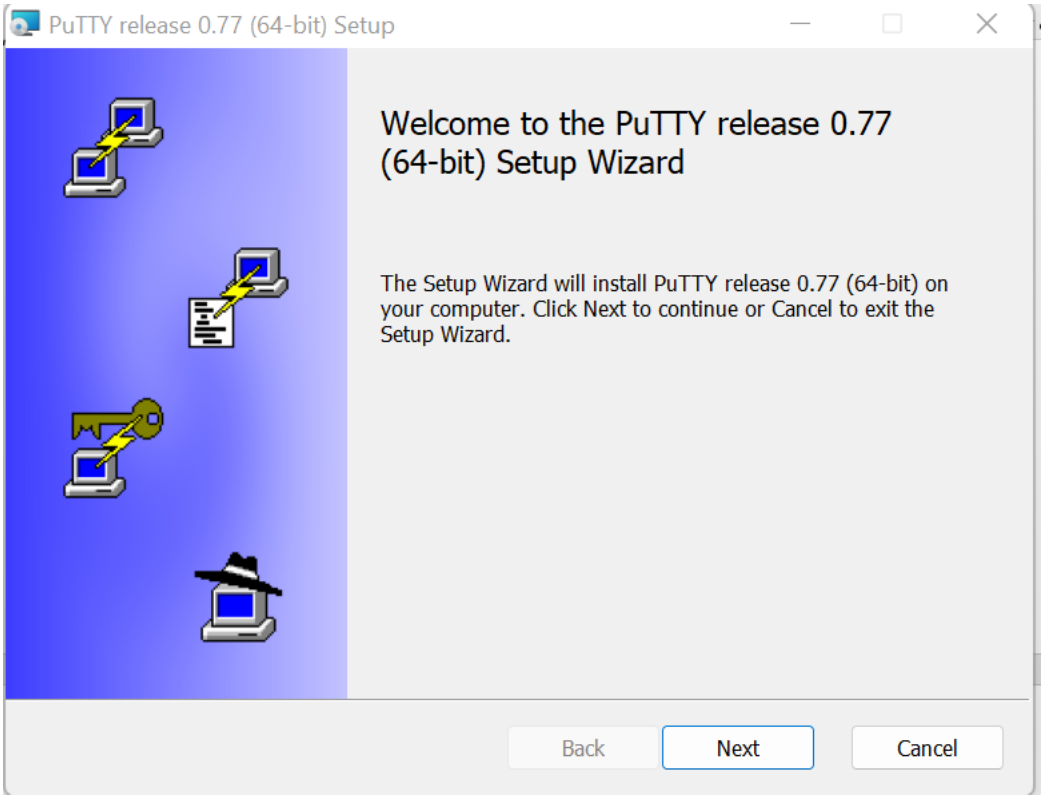


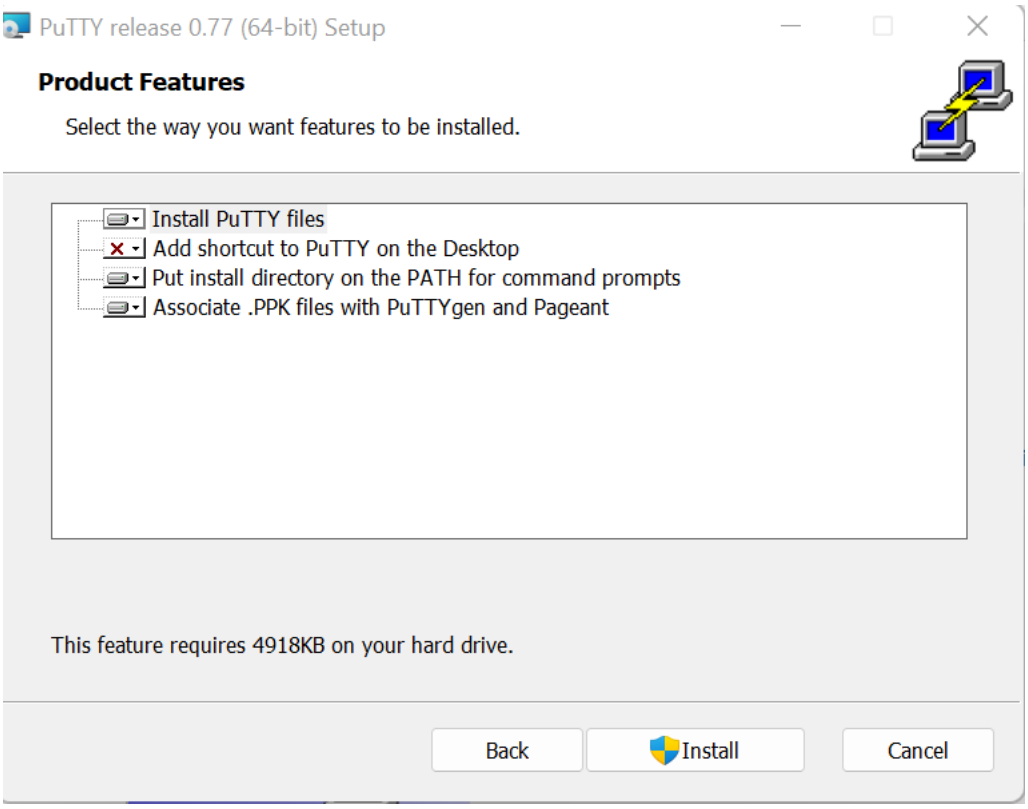


Will open terminal in new tab.

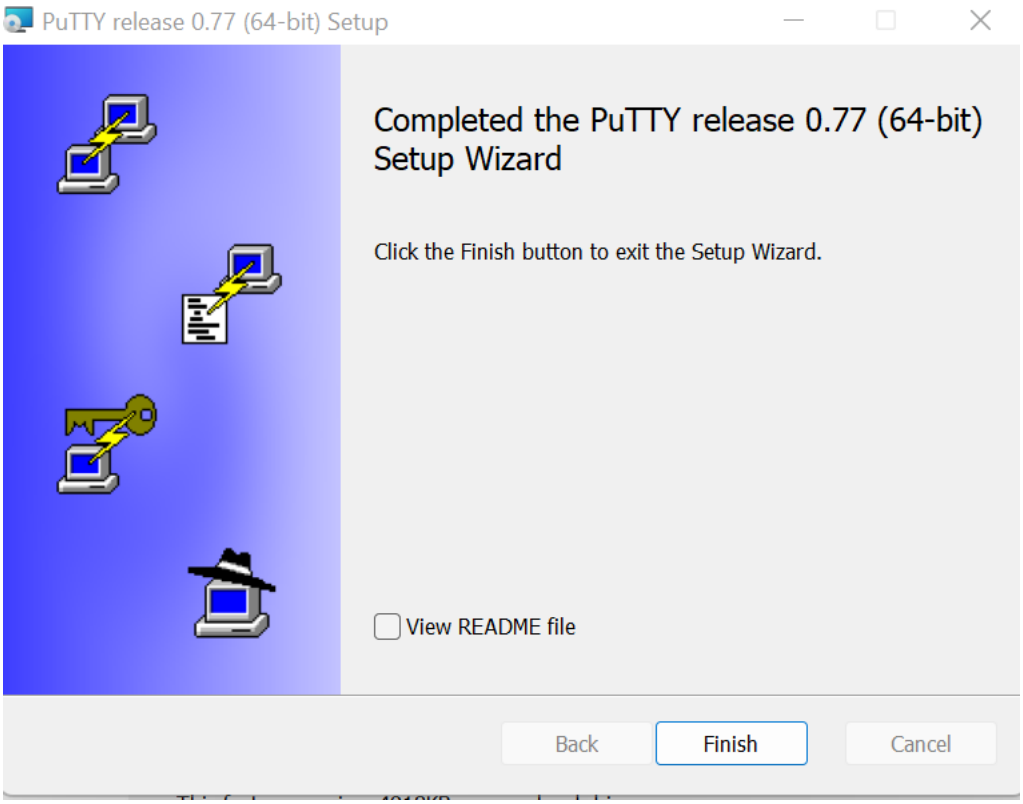
Using Putty for windows user

1. Download Putty from this link:- putty link
2. Install the application by clicking next next.



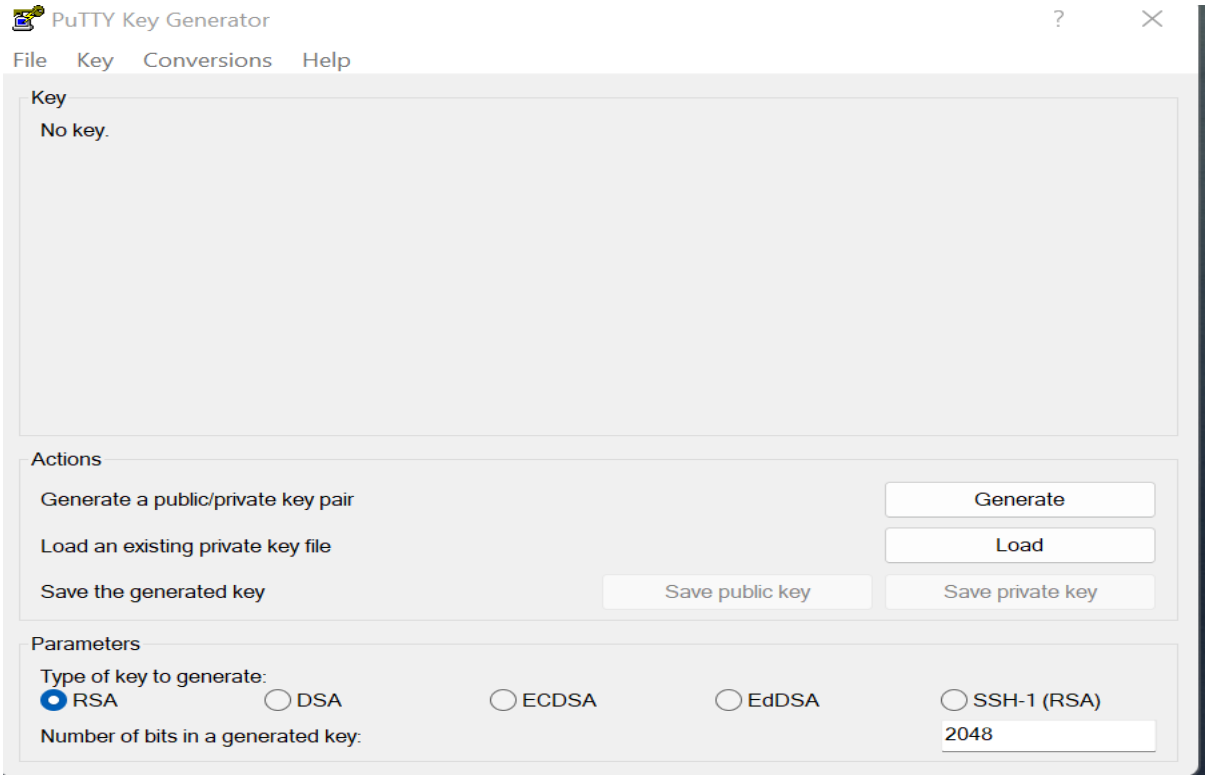


Click on install

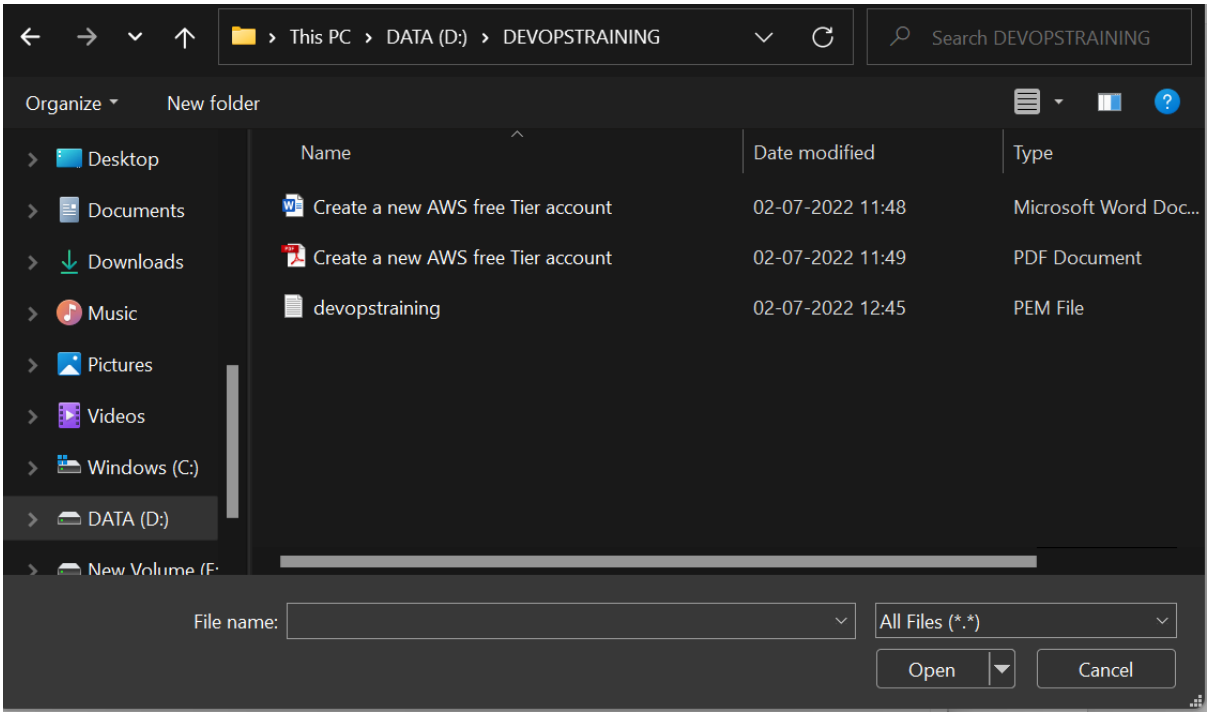


Click on finish

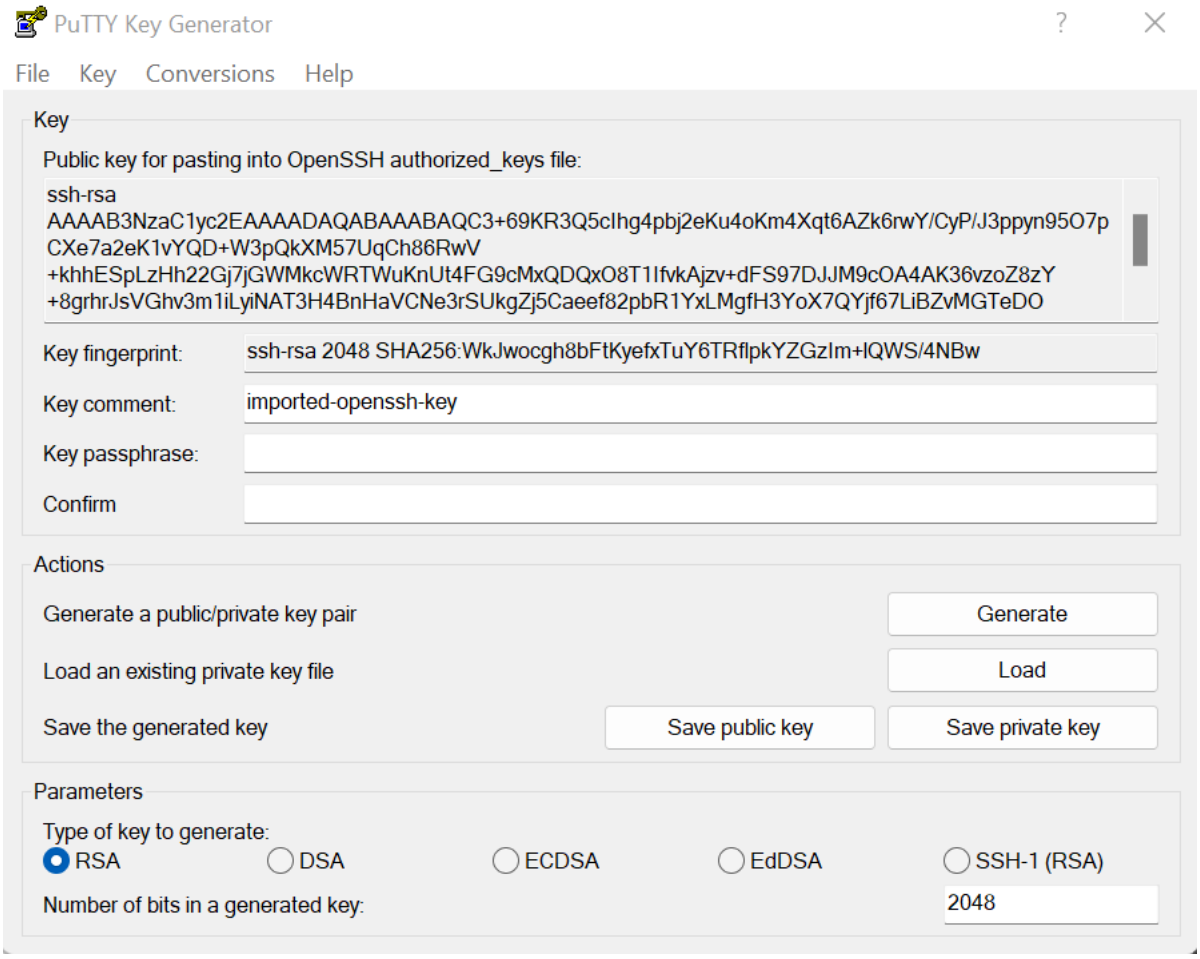
3. Now search “puttygen” in windows search section and open it.



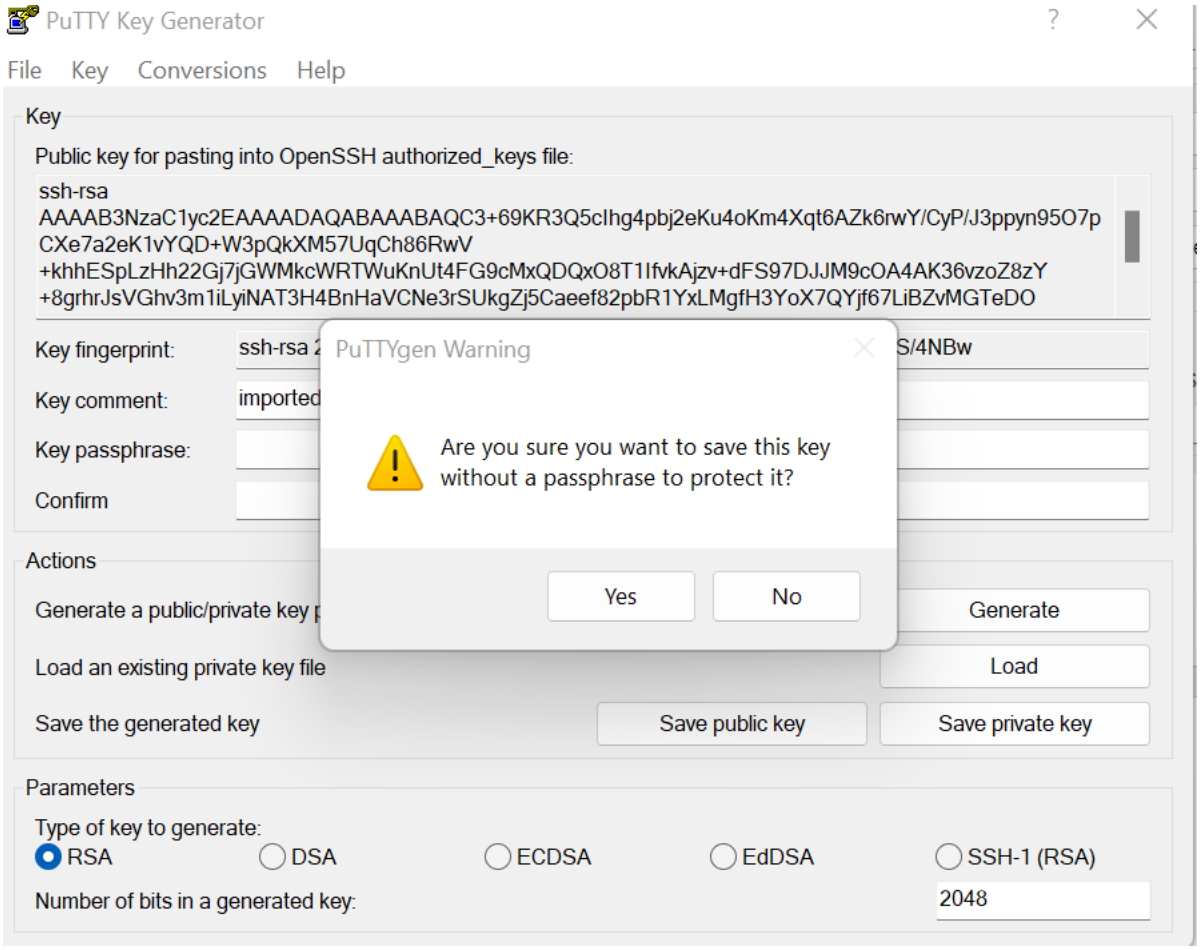
4. Now click on load and open that folder where .pem key file is downloaded while launching ec2 instance and choose file types to all.

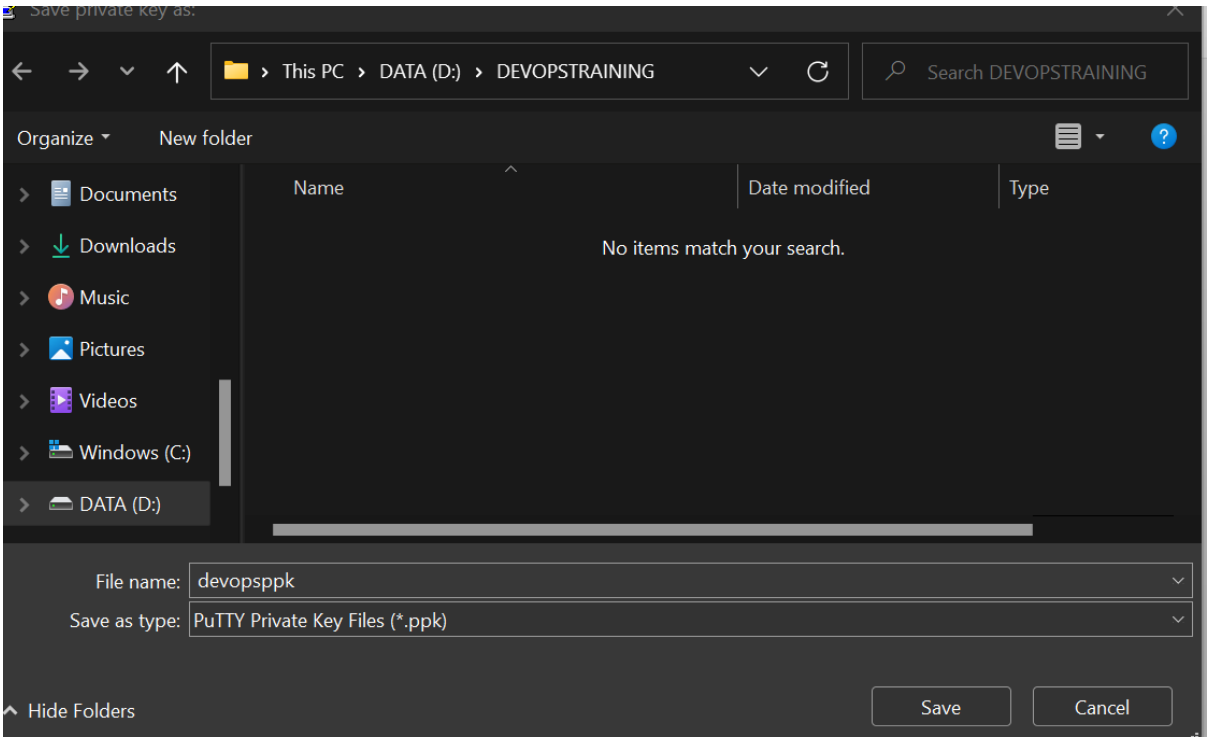


5. Select devopstraining.pem file and click open



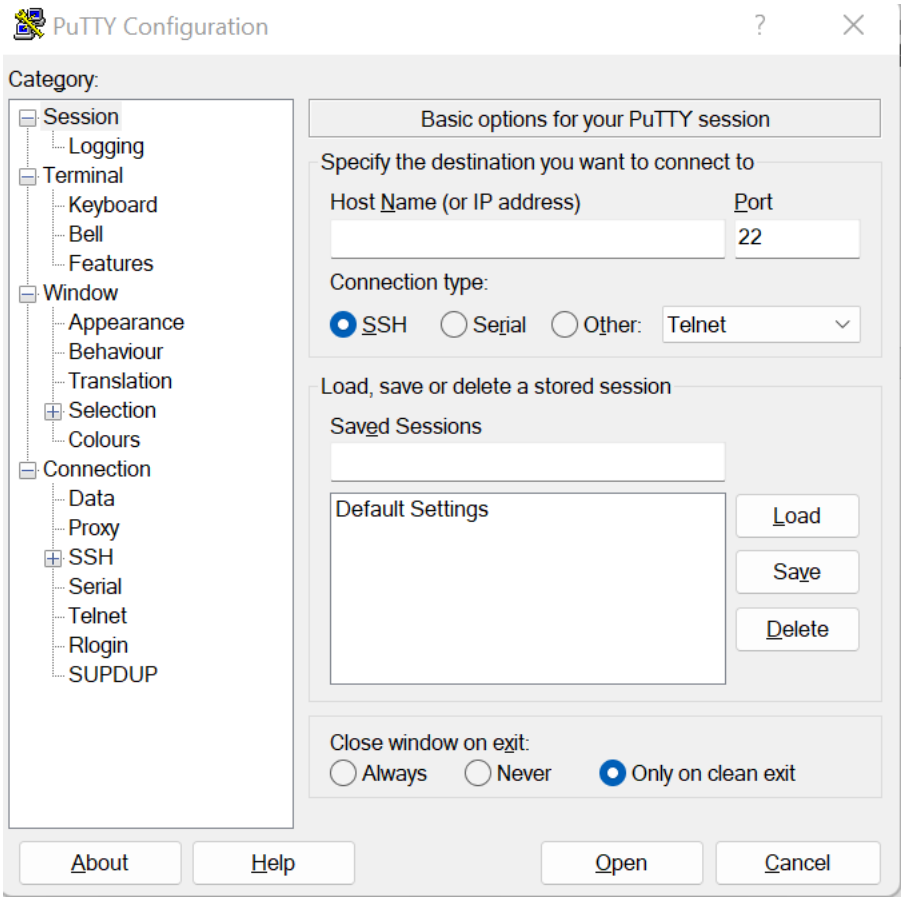
6. Click on save private key



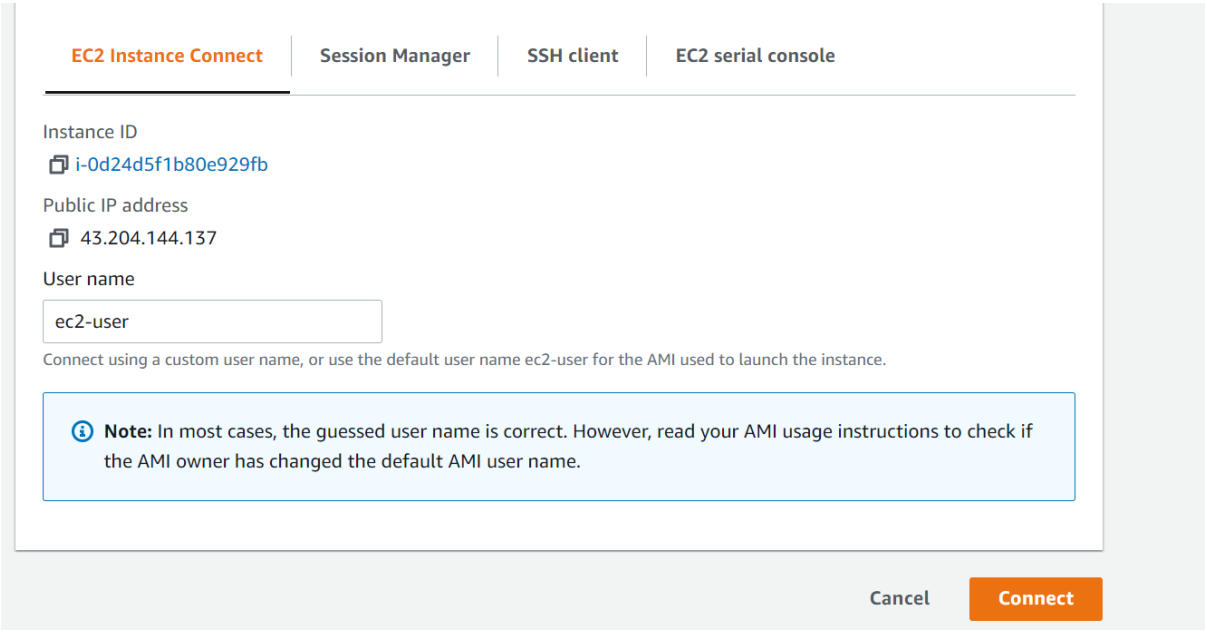


Click save.

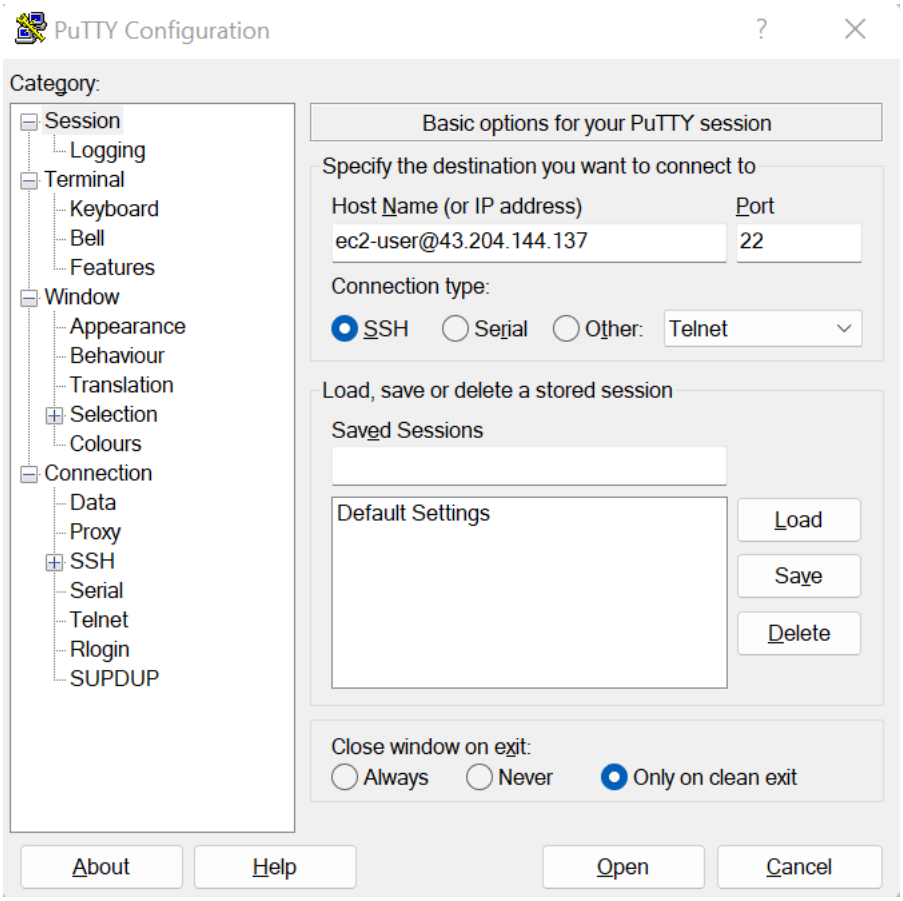
7. Now open putty



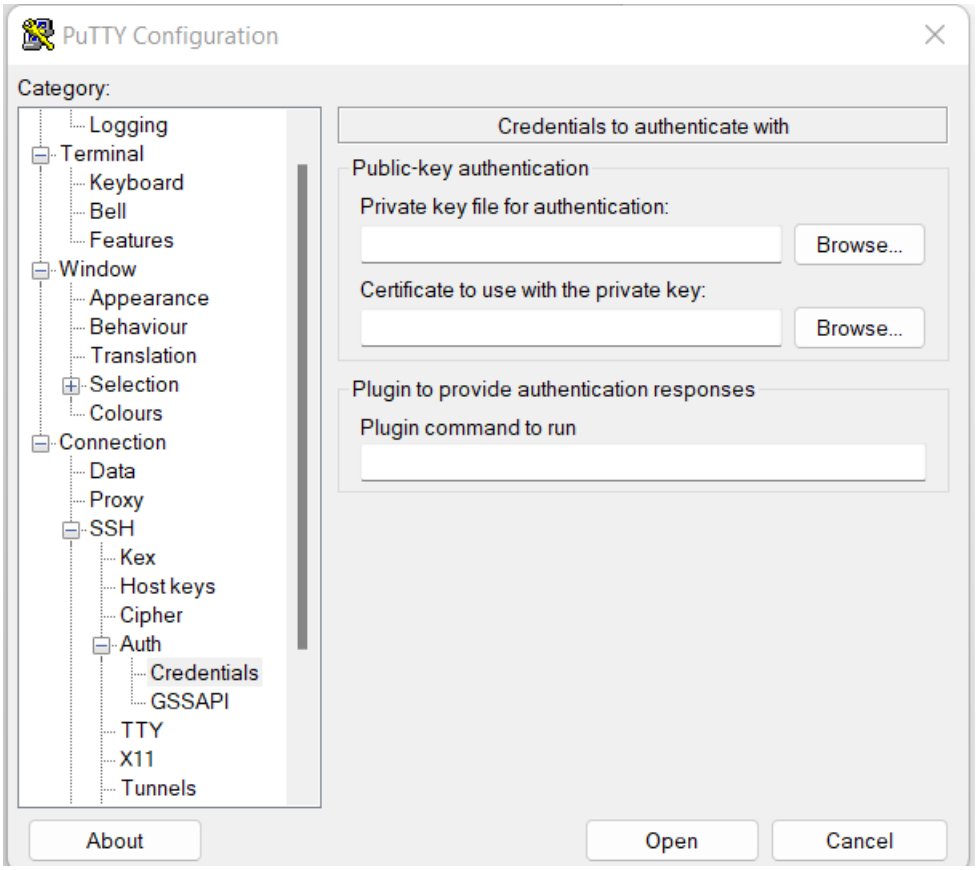
8. In host name write “username@public-IP”



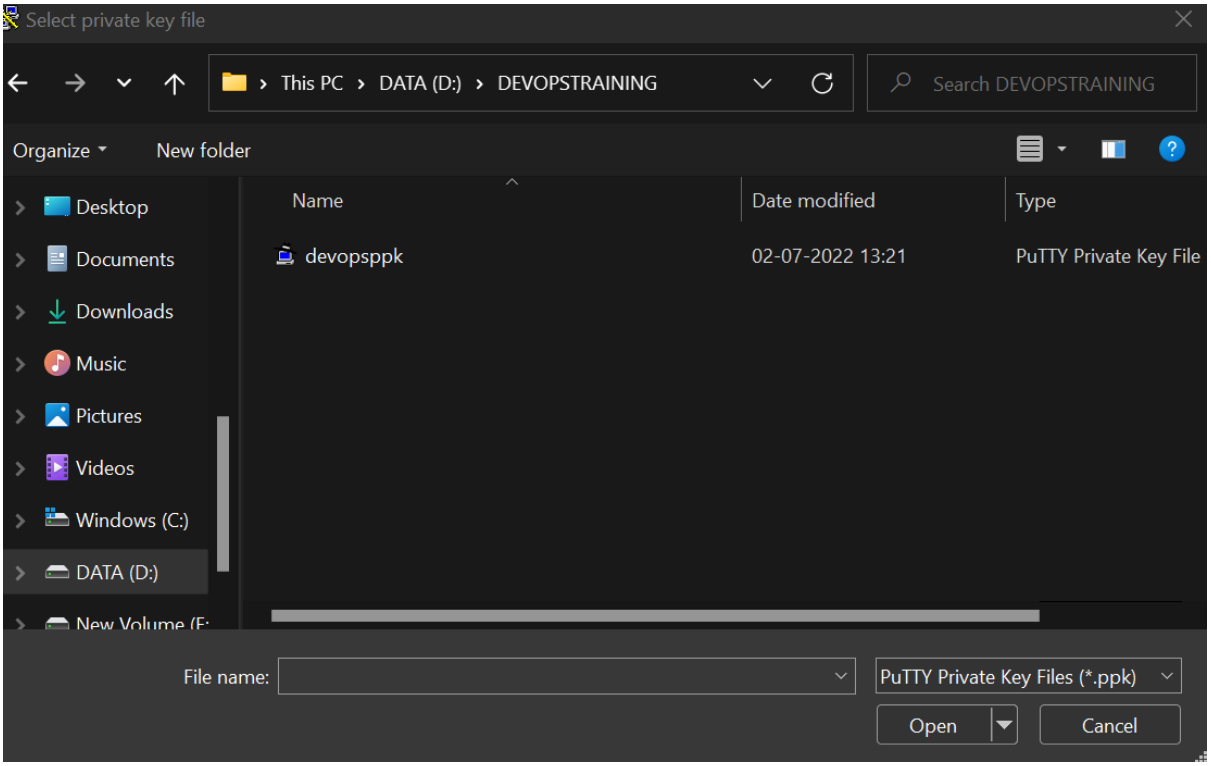
9. Here username is “ec2-user” and public-ip is “43.204.144.137”. will be different in your case.


PuTTY Configuration
Category:
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
SSH
Serial
Telnet
Rlogin
SUPDUP
Basic options for your PuTTY session
Specify the destination you want to connect to
Host Name (or IP address)
Port
ec2-user@43.204.144.137
22
Connection type:
SSH
Serial
Other:
Telnet
Load, save or delete a stored session
Saved Sessions
Default Settings
Load
Save
Delete
Close window on exit:
Always
Never
Only on clean exit
About
Help
Open
Cancel

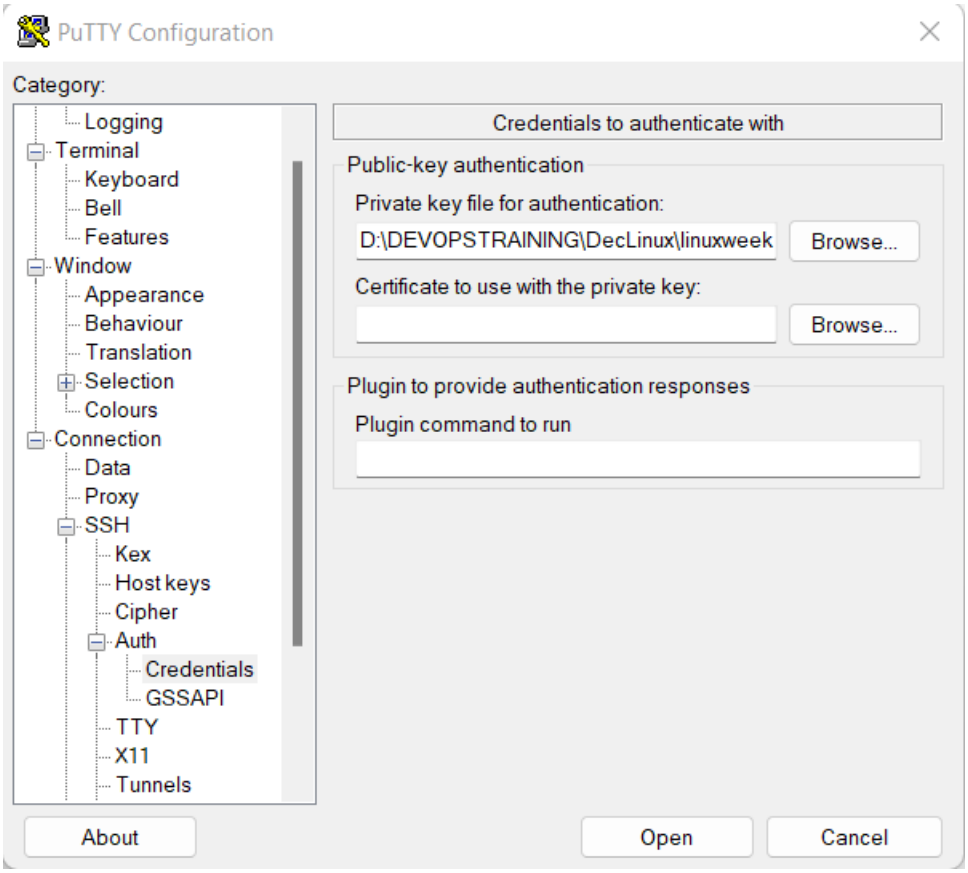
Click on ssh and then auth and then credentials



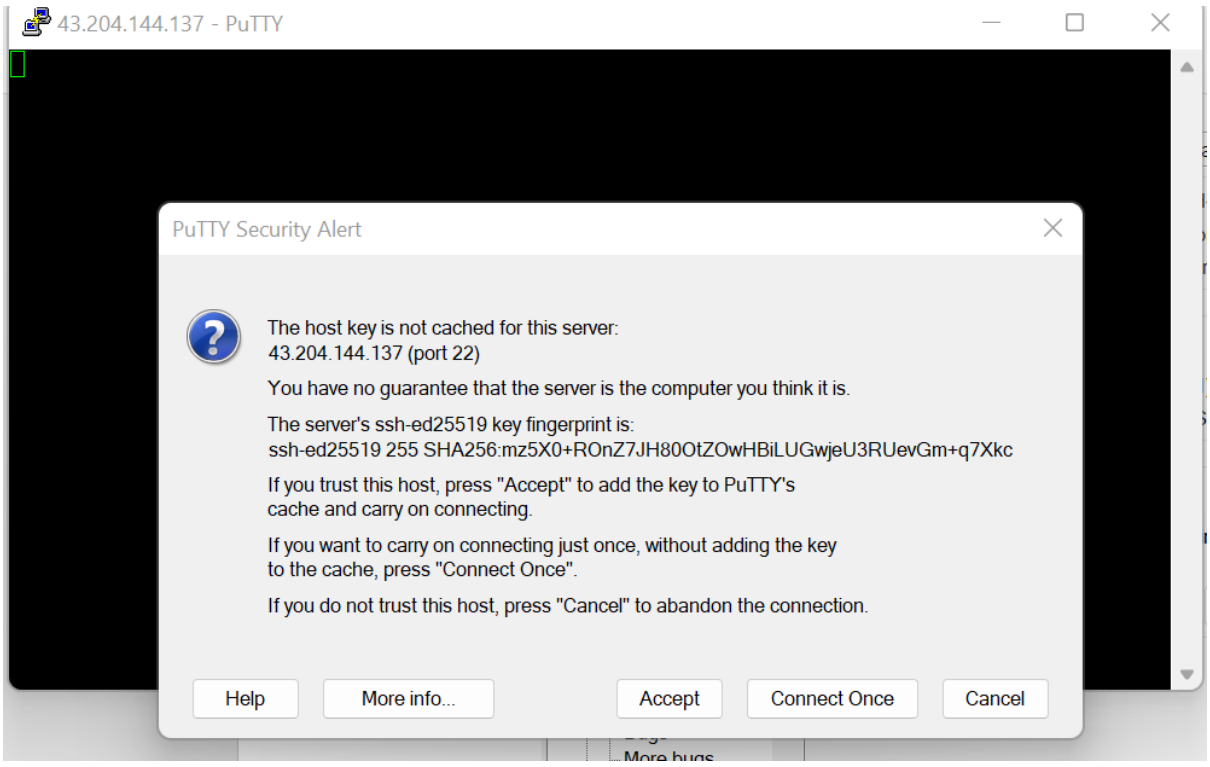
Then click on browse and select the ppk file earlier we saved.



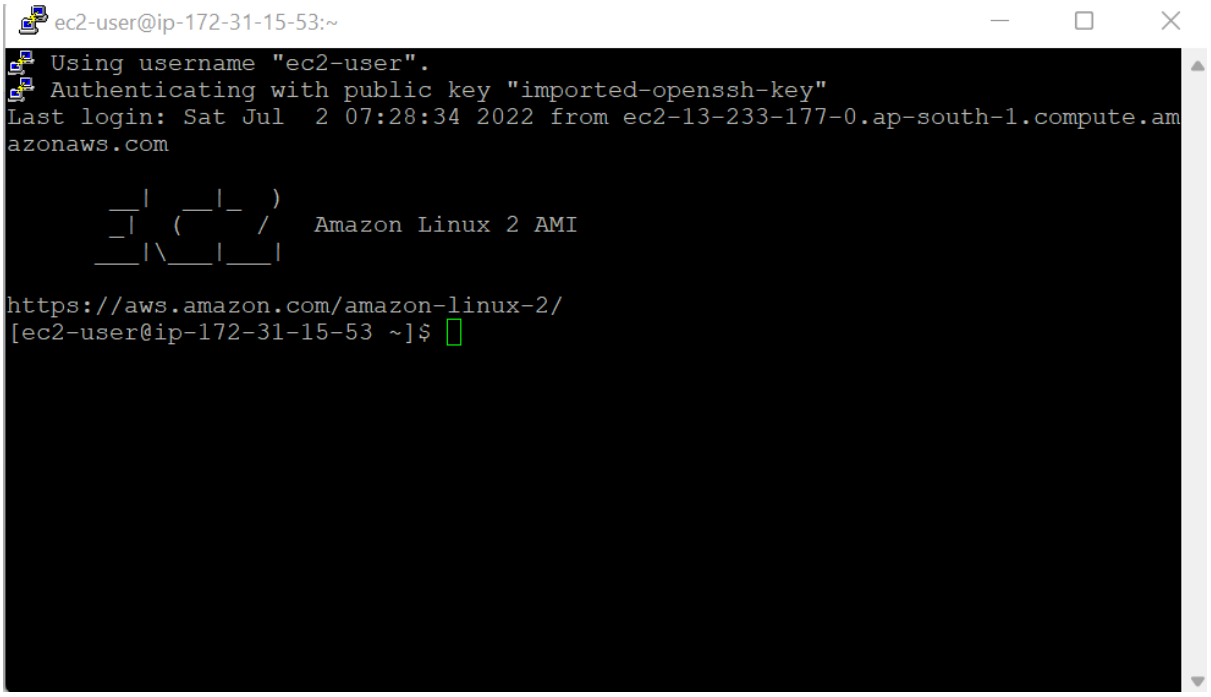
Now select and open



Now click on open



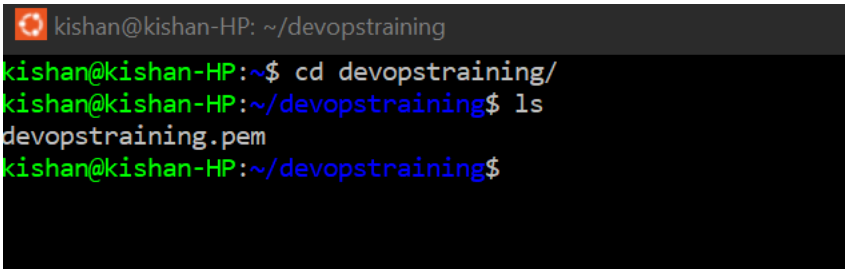
Click on Accept.



Connect to ec2 instance successfully.

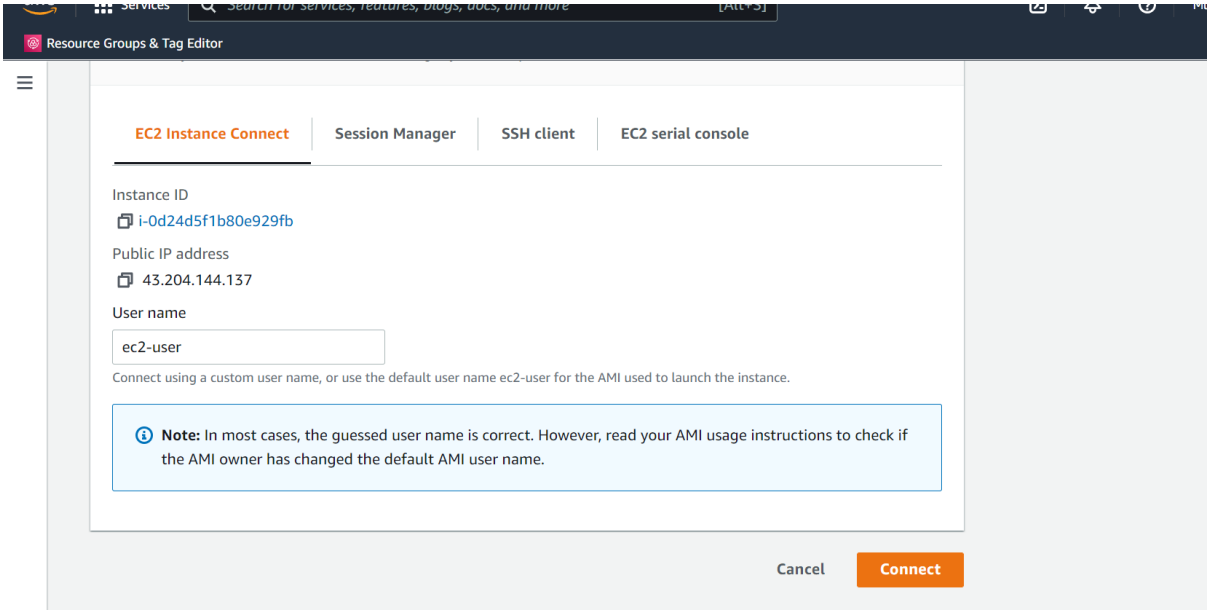
Using ssh (for linux or mac os people)

1. Open terminal and go to folder where you downloaded the .pem file while creating aws ec2-instance.

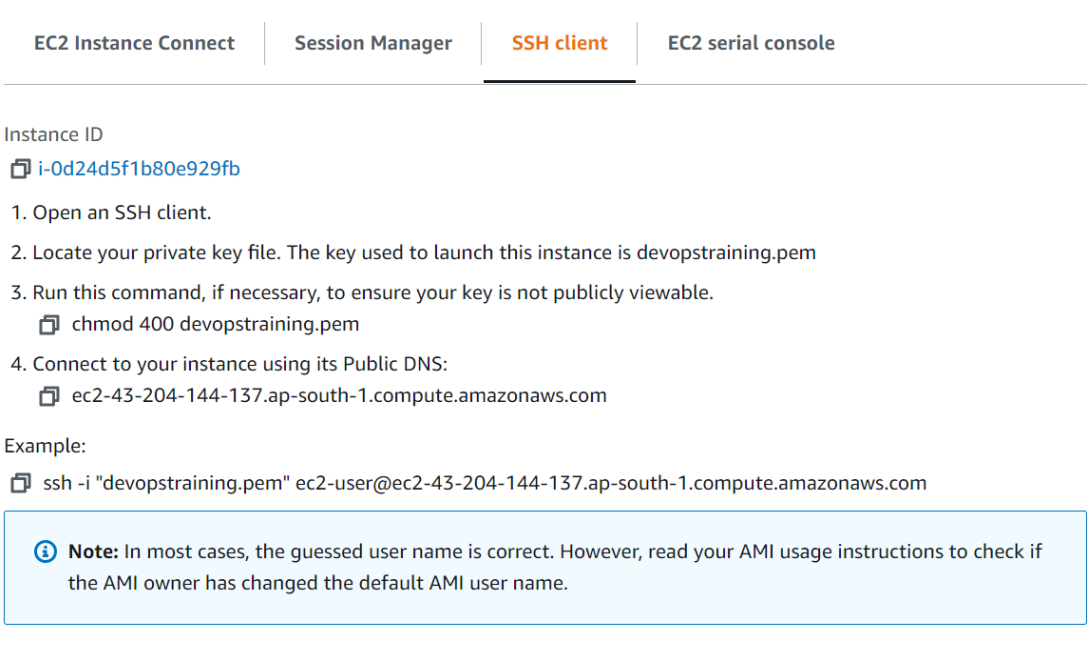


In my case I stored my .pem file in DEVOPSTRAINING folder.

2. Now go to aws console and click on connect like we done previously in direct browser connection.



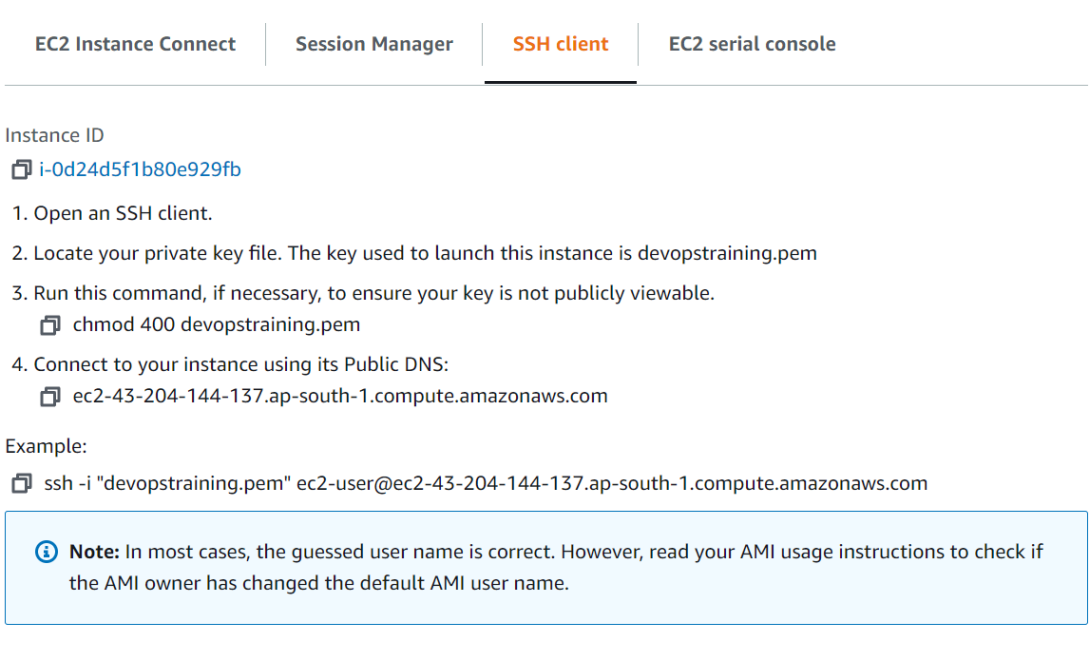
Click on SSH Client



3. Now run command written in step3 : chmod 400 devopstraining.pem

```
ishan@kishan-HP:~$ cd devopstraining/
ishan@kishan-HP:~/devopstraining$ ls
evopstraining.pem
ishan@kishan-HP:~/devopstraining$ chmod 400 devopstraining.pem
ishan@kishan-HP:~/devopstraining$
```

4. Now run the command written in example of aws console.




```
kishan@kishan-HP:~/devopstraining$ ssh -i "devopstraining.pem" ec2-user@ec2-43-204-144-137.ap-south-1.compute.amazonaws.
com
The authenticity of host 'ec2-43-204-144-137.ap-south-1.compute.amazonaws.com (43.204.144.137)' can't be established.
ECDSA key fingerprint is SHA256:edmyRh+c9/ucrm65iIvJvNEi65IvnlmXsPKrHoKk2wA.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-43-204-144-137.ap-south-1.compute.amazonaws.com,43.204.144.137' (ECDSA) to the list of k
nown hosts.
Last login: Sat Jul  2 07:57:25 2022 from 43.230.42.116

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

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-15-53 ~]$
```

Connected..

Hence we completed all the popular ways to connect to our ec2-instance.

Regards: kishan ray