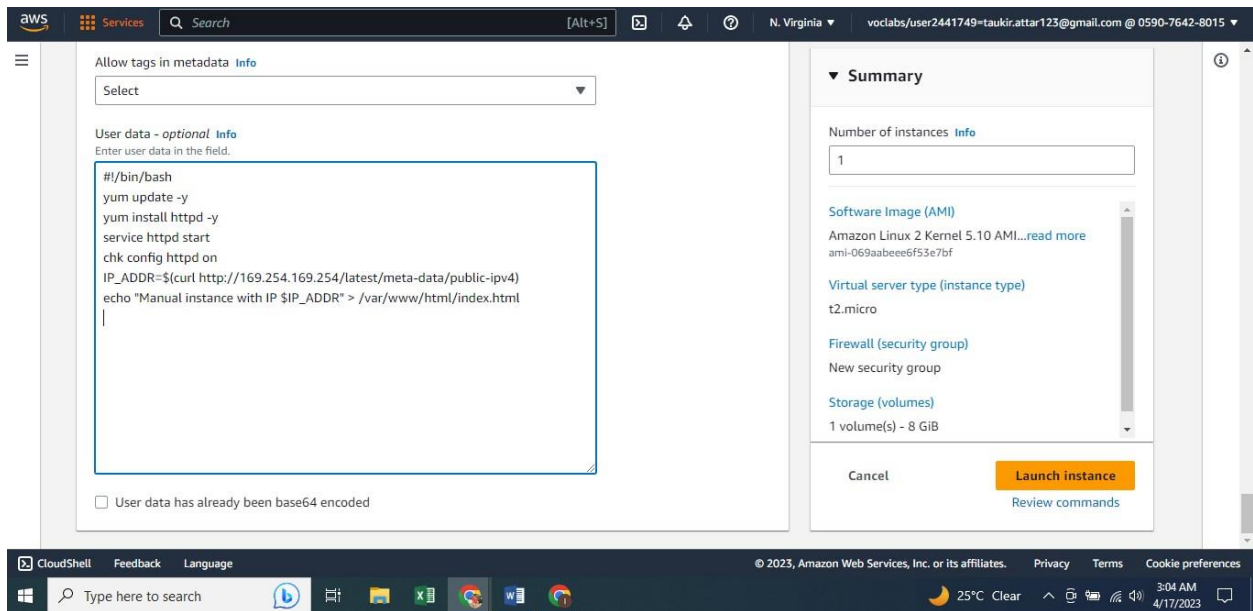
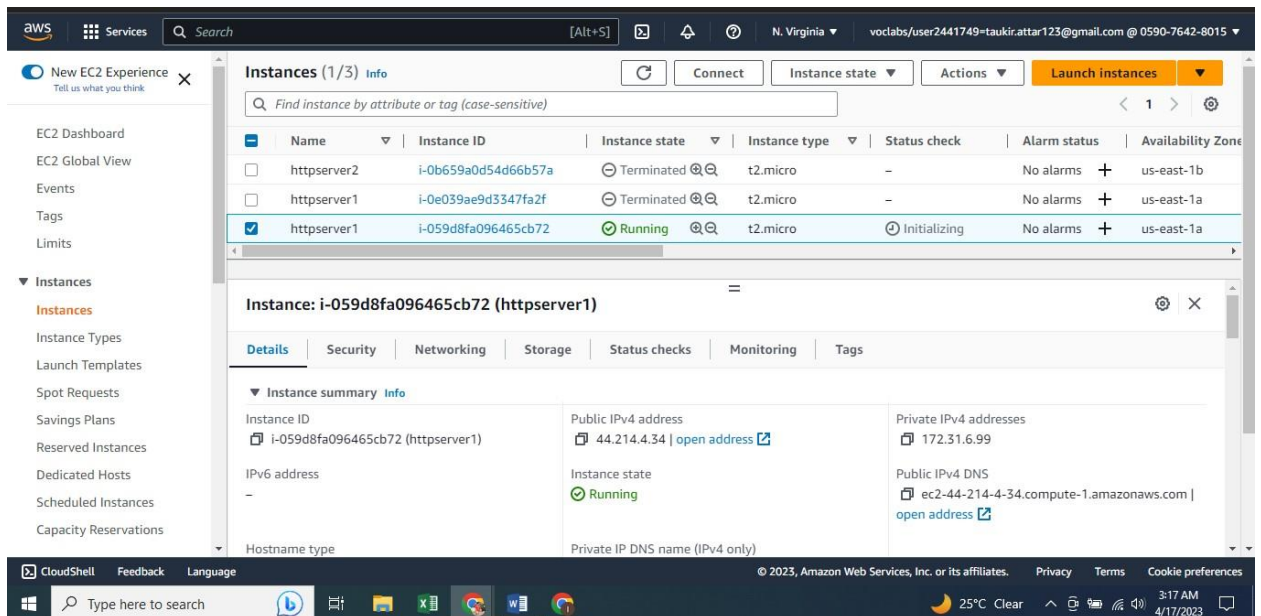


# Creating ec2 instance and building connection through ssh , git bash.

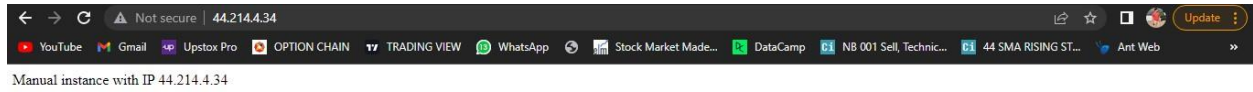
## 1) creating instance



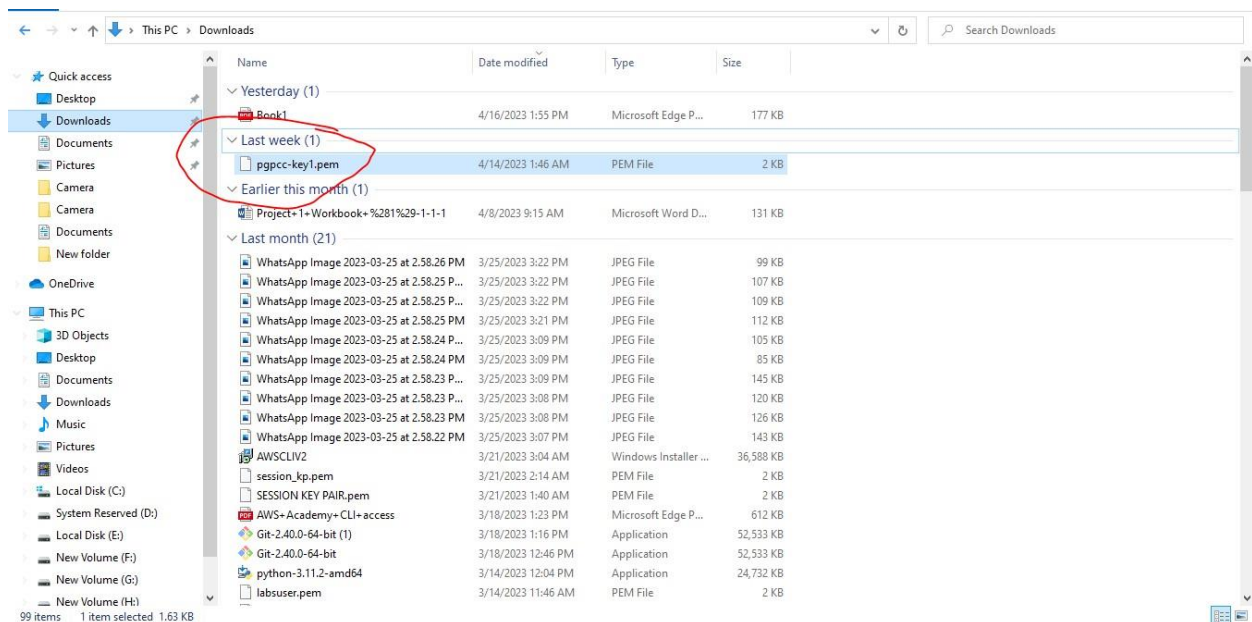
## 2) Instance is created



3) Public Ip address is pasted in new tab



4) Pem file location in my system



5) ssh -i "pgpcc-key1.pem" [ec2-user@ec2-3-238-92-163.compute-1.amazonaws.com](mailto:ec2-user@ec2-3-238-92-163.compute-1.amazonaws.com) used this command got this command from ec2 connect



Warning: Permanently added 'ec2-3-238-92-163.compute-1.amazonaws.com,172.31.6.99' (ECDSA) to the list of known hosts.

```
ec2-user@ip-172-31-6-99:~$ ls -al
total 12
drwxr-xr-x 3 ec2-user ec2-user 74 Apr 16 21:42 .
drwxr-xr-x 3 root root 22 Apr 16 21:42 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwxr-xr-x 2 ec2-user ec2-user 48 Apr 17 14:45 .ssh
[ec2-user@ip-172-31-6-99 ~]$ mkdir test
[ec2-user@ip-172-31-6-99 ~]$ mkdir test
mkdir: cannot create directory 'test': File exists
[ec2-user@ip-172-31-6-99 ~]$ ls -al
total 12
drwxr-xr-x 4 ec2-user ec2-user 86 Apr 17 14:48 .
drwxr-xr-x 3 root root 22 Apr 16 21:42 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwxr-xr-x 2 ec2-user ec2-user 48 Apr 17 14:45 .ssh
drwxrwxr-x 2 ec2-user ec2-user 6 Apr 17 14:48 test
[ec2-user@ip-172-31-6-99 ~]$ cd /opt
[ec2-user@ip-172-31-6-99 opt]$ cd /opt
[ec2-user@ip-172-31-6-99 opt]$
[ec2-user@ip-172-31-6-99 opt]$ cd /opt
[ec2-user@ip-172-31-6-99 opt]$
[ec2-user@ip-172-31-6-99 opt]$
```

Module 2d - SSH to the EC2 Instance (~10mins) ☒

9. Click on Instances in the left navigation

Try it out

exit

```
total 12
drwxr-xr-x 3 ec2-user ec2-user 74 Apr 16 21:42 .
drwxr-xr-x 3 root root 22 Apr 16 21:42 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwxr-xr-x 2 ec2-user ec2-user 48 Apr 17 14:45 .ssh
[ec2-user@ip-172-31-6-99 ~]$ mkdir test
[ec2-user@ip-172-31-6-99 ~]$ mkdir test
mkdir: cannot create directory 'test': File exists
[ec2-user@ip-172-31-6-99 ~]$ ls -al
total 12
drwxr-xr-x 4 ec2-user ec2-user 86 Apr 17 14:48 .
drwxr-xr-x 3 root root 22 Apr 16 21:42 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwxr-xr-x 2 ec2-user ec2-user 48 Apr 17 14:45 .ssh
drwxrwxr-x 2 ec2-user ec2-user 6 Apr 17 14:48 test
[ec2-user@ip-172-31-6-99 ~]$ cd /opt
[ec2-user@ip-172-31-6-99 opt]$ cd /opt
[ec2-user@ip-172-31-6-99 opt]$
[ec2-user@ip-172-31-6-99 opt]$ cd /opt
[ec2-user@ip-172-31-6-99 opt]$
[ec2-user@ip-172-31-6-99 opt]$ exit
logout
Connection to ec2-3-238-92-163.compute-1.amazonaws.com closed.
Admin@DESKTOP-QQRT0F MINGW64 ~/Downloads
$
```

Module 2c - Launch EC2 (old UI), Create SG (~15mins) ☒

Module 2c - Launch EC2 (old UI), Create SG (~5mins) ☒

Module 2d - SSH to the EC2 Instance (~10mins) ☒

SSH Options for Windows ☒

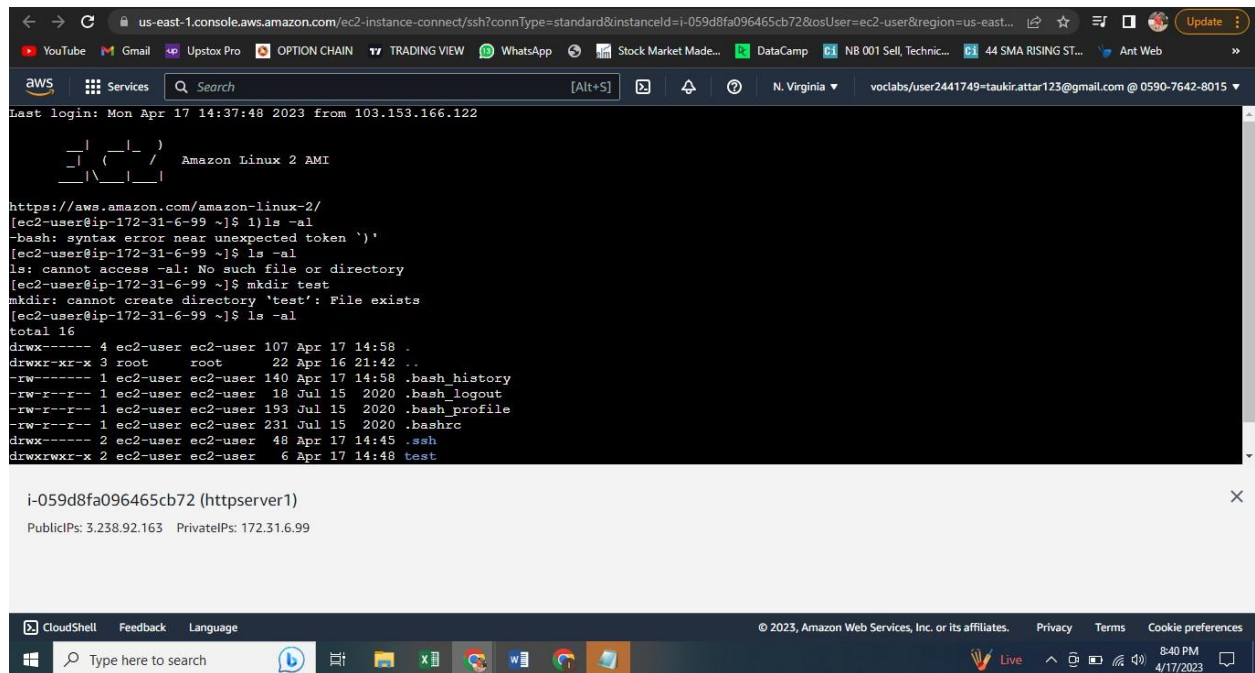
7. Close the terminal window

8. An alternative to SSH is via the "EC2 Instance Connect" option. To use it go back to the browser tab EC2 management console.

9. Click on Instances in the left navigation

Try it out

## 6) Run the above command



The screenshot shows an AWS CloudShell terminal window. The browser address bar indicates the connection is to an EC2 instance in the us-east-1 region. The terminal output shows the user 'ec2-user' at the prompt. They entered a command that resulted in a syntax error: '-bash: syntax error near unexpected token `)''. Following this, they entered 'ls -al', which failed with the message 'ls: cannot access -al: No such file or directory'. Then, they entered 'mkdir test', which failed with 'mkdir: cannot create directory `test': File exists'. Finally, they entered 'ls -al', which successfully listed the directory contents. The output shows standard system files like .bash\_history, .bash\_logout, .bash\_profile, and .bashrc, as well as .ssh and test directories. Below the terminal, a box displays the instance ID 'i-059d8fa096465cb72 (httpserver1)' and its public and private IP addresses. The bottom of the image shows the Windows taskbar with the CloudShell application icon and the system clock at 8:40 PM on 4/17/2023.

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-059d8fa096465cb72&osUser=ec2-user&region=us-east-1...
aws Services Search [Alt+S] N. Virginia voclabs/user2441749=taukir.attar123@gmail.com @ 0590-7642-8015
Last login: Mon Apr 17 14:37:48 2023 from 103.153.166.122

  _ _ _
 _/ _/ _/ Amazon Linux 2 AMI
 _/ _/ _/

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-6-99 ~]$ ll -al
-bash: syntax error near unexpected token `)'
[ec2-user@ip-172-31-6-99 ~]$ ls -al
ls: cannot access -al: No such file or directory
[ec2-user@ip-172-31-6-99 ~]$ mkdir test
mkdir: cannot create directory `test': File exists
[ec2-user@ip-172-31-6-99 ~]$ ls -al
total 16
drwx----- 4 ec2-user ec2-user 107 Apr 17 14:58 .
drwxr-xr-x 3 root root 22 Apr 16 21:42 ..
-rw----- 1 ec2-user ec2-user 140 Apr 17 14:58 .bash_history
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwx----- 2 ec2-user ec2-user 48 Apr 17 14:45 .ssh
drwxrwxr-x 2 ec2-user ec2-user 6 Apr 17 14:48 test

i-059d8fa096465cb72 (httpserver1)
PublicIPs: 3.238.92.163 PrivateIPs: 172.31.6.99

CloudShell Feedback Language © 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
Type here to search 8:40 PM 4/17/2023
```

## 7) Terminated the instance

## 8) Done with project 1

