

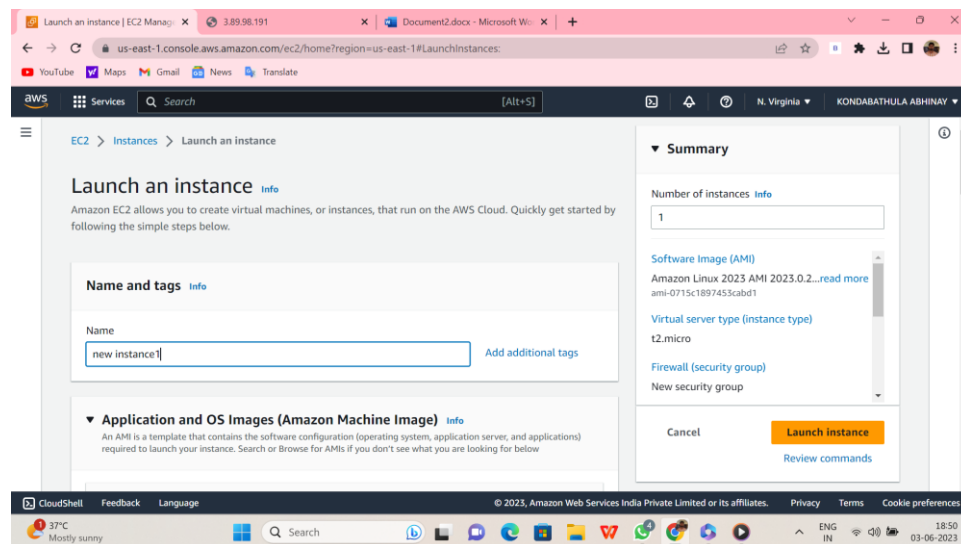
Project 1: Create a Public Ip using EC2 instance hosting of Apache web server.

Step1: Create an AWS account which is free.

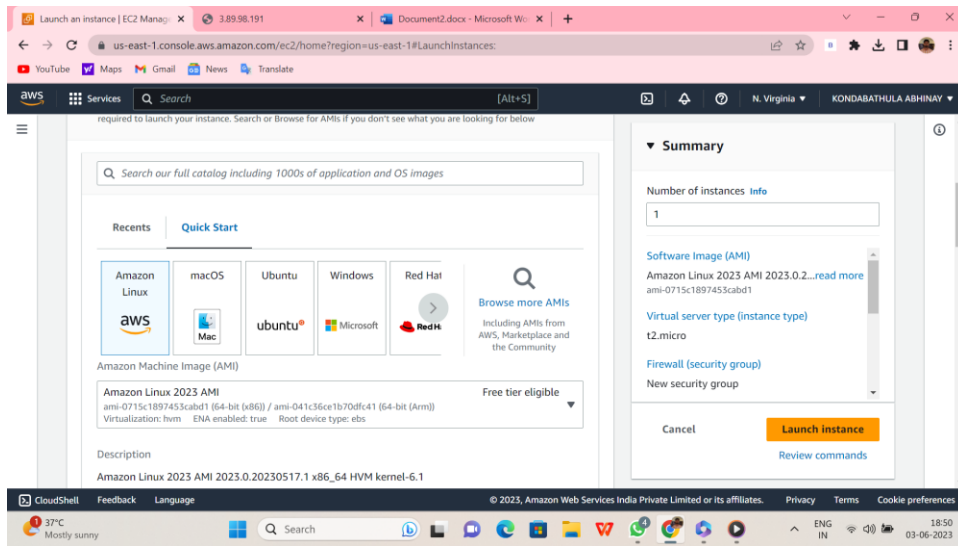
Step2: Create an instance in AWS account.

Follow these steps to create an ec2 instance in AWS account:

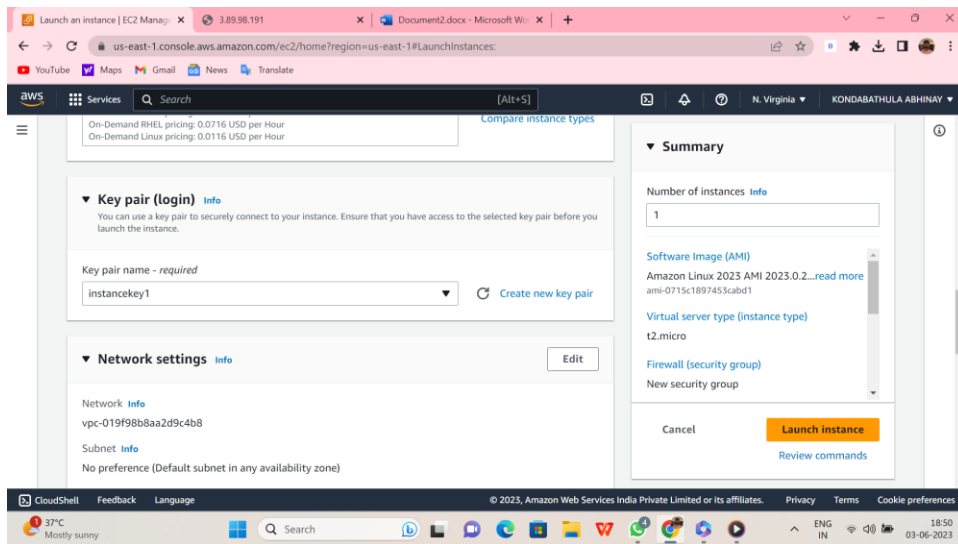
- Click on the top left **AWS icon** which will take you to home page. (or)
- Click on EC2
- Click on **Launch Instance** button. Give a **name** to your instance.



- Select **Amazon Linux OS** >

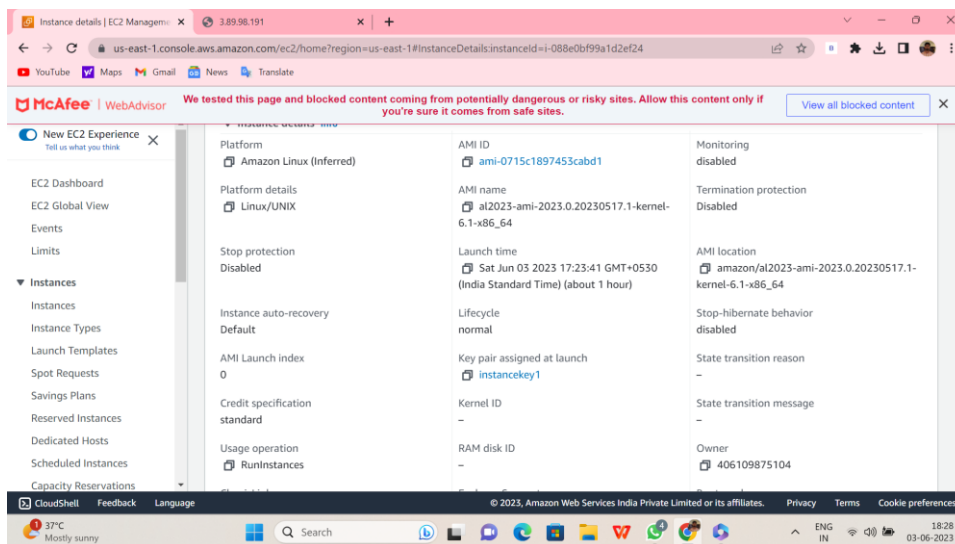
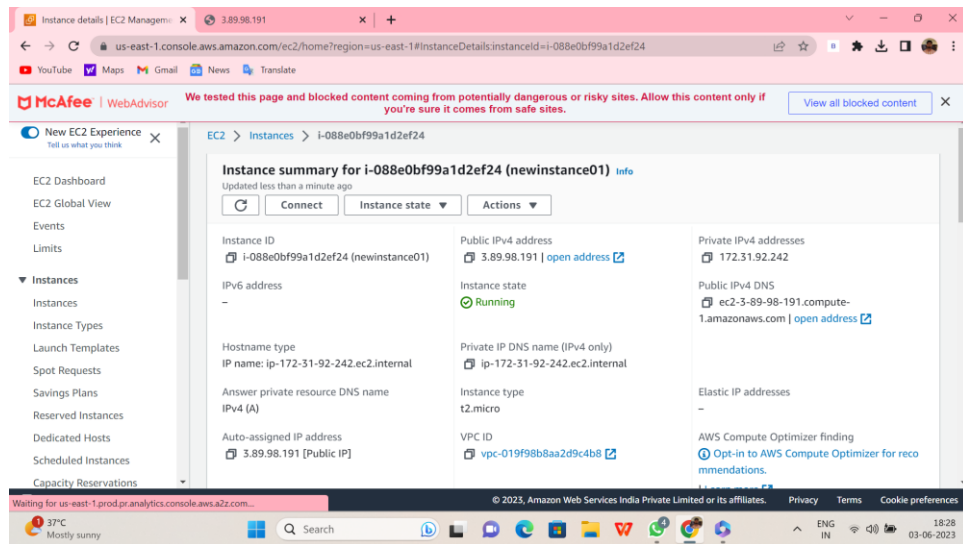


- Create a key pair by clicking on **create a key pair** button and download the **.pem** file >



- Click on **launch instance**.

Now your **instance** is created and your **.pem** file is in your /Downloads



Step3: Go to **Command Prompt** in your computer.

Step4: Type the command:

“ssh -i \Downloads\keyname.pem ec2-user@public ip”


```
root@ip-172-31-92-242:/var/ - Total 10 MB/s | 2.3 MB 00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
  Installing     : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
  Installing     : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 2/12
  Installing     : apr-util-1.6.3-1.amzn2023.0.1.x86_64 3/12
  Installing     : mailcap-2.1.49-3.amzn2023.0.3.noarch 4/12
  Installing     : httpd-tools-2.4.56-1.amzn2023.x86_64 5/12
  Running scriptlet: httpd-filesystem-2.4.56-1.amzn2023.x86_64 6/12
  Installing     : httpd-filesystem-2.4.56-1.amzn2023.x86_64 6/12
  Installing     : httpd-core-2.4.56-1.amzn2023.x86_64 7/12
  Installing     : mod_http2-2.0.11-2.amzn2023.x86_64 8/12
  Installing     : mod_lua-2.4.56-1.amzn2023.x86_64 9/12
  Installing     : generic-logos-httpd-18.0.0-12.amzn2023.x86_64 10/12
  Installing     : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 11/12
  Installing     : httpd-2.4.56-1.amzn2023.x86_64 12/12
  Running scriptlet: httpd-2.4.56-1.amzn2023.x86_64 12/12
  Verifying      : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
  Verifying      : httpd-tools-2.4.56-1.amzn2023.x86_64 2/12
  Verifying      : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
  Verifying      : mod_http2-2.0.11-2.amzn2023.x86_64 4/12
  Verifying      : mod_lua-2.4.56-1.amzn2023.x86_64 5/12
  Verifying      : httpd-core-2.4.56-1.amzn2023.x86_64 6/12
  Verifying      : httpd-2.4.56-1.amzn2023.x86_64 7/12
  Verifying      : apr-util-1.6.3-1.amzn2023.0.1.x86_64 8/12
  Verifying      : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
  Verifying      : generic-logos-httpd-18.0.0-12.amzn2023.x86_64 10/12
  Verifying      : mailcap-2.1.49-3.amzn2023.0.3.noarch 11/12
  Verifying      : httpd-filesystem-2.4.56-1.amzn2023.x86_64 12/12
```

Now type:

“systemctl start httpd”

```
root@ip-172-31-92-242:/var/
Verifying      : httpd-tools-2.4.56-1.amzn2023.x86_64 2/12
Verifying      : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying      : mod_http2-2.0.11-2.amzn2023.x86_64 4/12
Verifying      : mod_lua-2.4.56-1.amzn2023.x86_64 5/12
Verifying      : httpd-core-2.4.56-1.amzn2023.x86_64 6/12
Verifying      : httpd-2.4.56-1.amzn2023.x86_64 7/12
Verifying      : apr-util-1.6.3-1.amzn2023.0.1.x86_64 8/12
Verifying      : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying      : generic-logos-httpd-18.0.0-12.amzn2023.x86_64 10/12
Verifying      : mailcap-2.1.49-3.amzn2023.0.3.noarch 11/12
Verifying      : httpd-filesystem-2.4.56-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64
apr-util-1.6.3-1.amzn2023.0.1.x86_64
apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-2.4.56-1.amzn2023.x86_64
httpd-core-2.4.56-1.amzn2023.x86_64
httpd-filesystem-2.4.56-1.amzn2023.noarch
httpd-tools-2.4.56-1.amzn2023.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch
mod_http2-2.0.11-2.amzn2023.x86_64
mod_lua-2.4.56-1.amzn2023.x86_64

Complete!
[root@ip-172-31-92-242 ~]# systemctl start httpd
[root@ip-172-31-92-242 ~]# cd /var/www/html
[root@ip-172-31-92-242 html]# vi index.html
[root@ip-172-31-92-242 html]#
```

Now you can access the web server. It shows “It works”.

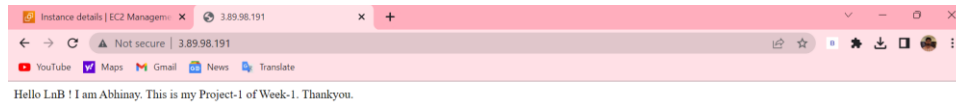
Now type:

“cd /var/www/html”

“vi index.html”

And click “i” to start insert and type whatever you want and press esc key and type “:wq” to save and exit

Now go back to your instance and copy the **public ip** address and paste it in new **chrome page** > You can see the text that you typed in **html** page.



This is my project-1 of Week-1

My public ip: **3.89.98.191** (if this is not working it means I stopped my instance).

Name: Kondabathula Abhinay

