**Linux Operating System:**

**History:**

1960 – multics – Tenenbum – B programming

ATnT – Dennis Ritchie and Ken Thomson

1970 – C programming – Unics – UNIX

1980:

IBM – AIX – works only on IBM hardwares

HP – HP-UX

Sun – Solaris

1992 – linus Torvalds – Linux

1. Open source
2. It works on any hardware
3. More security
4. Stability

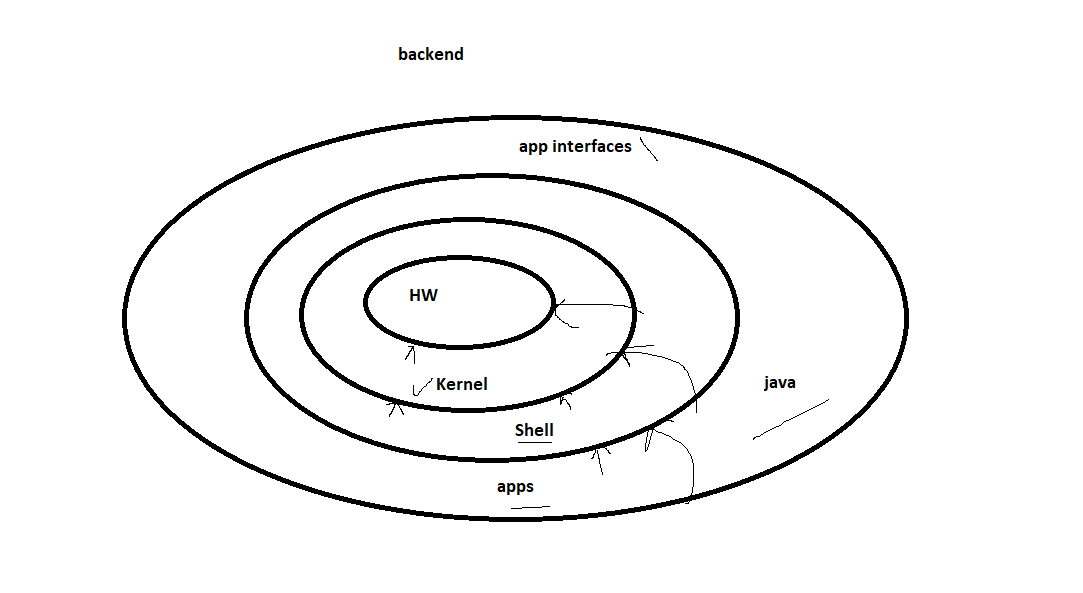
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IBM – DOS – bill gates

Windows

Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

OS Architecture:



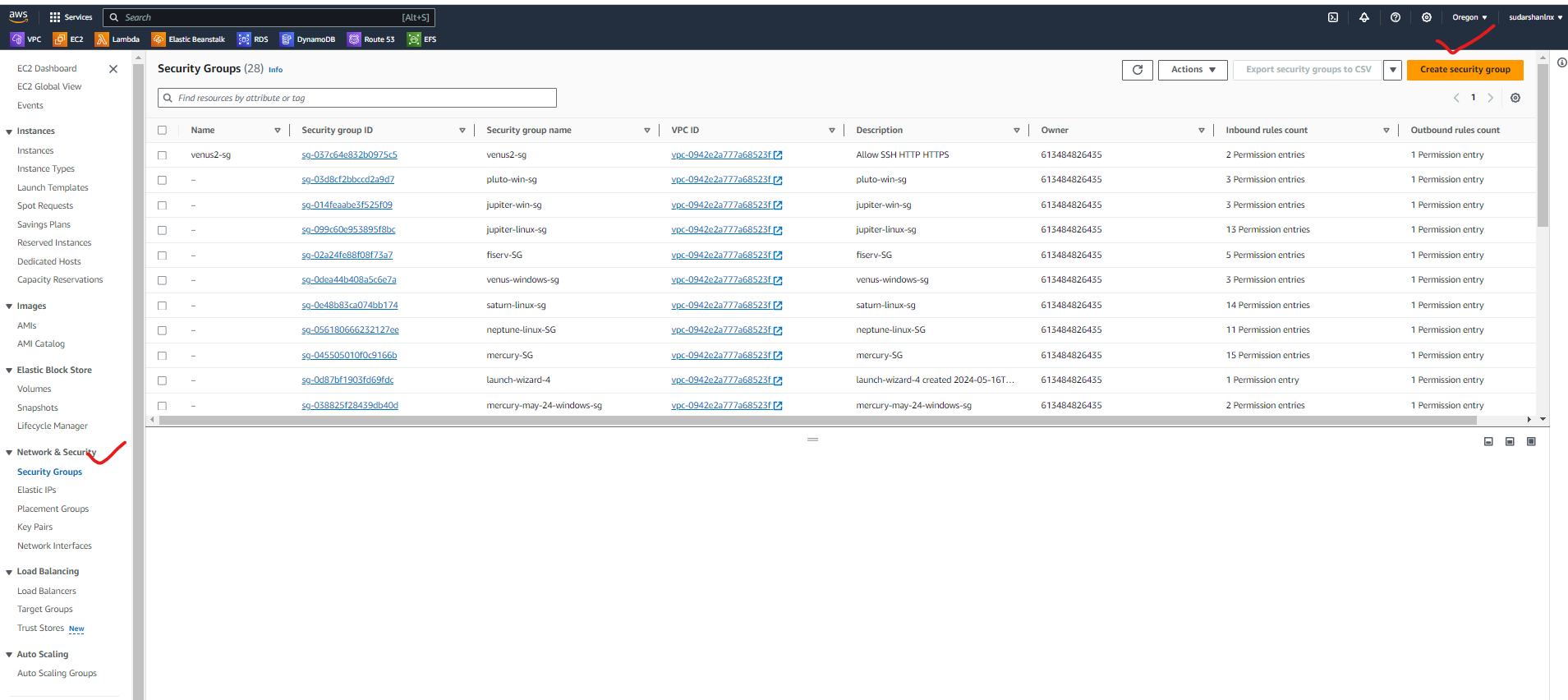
**Kernel** – Manager of OS

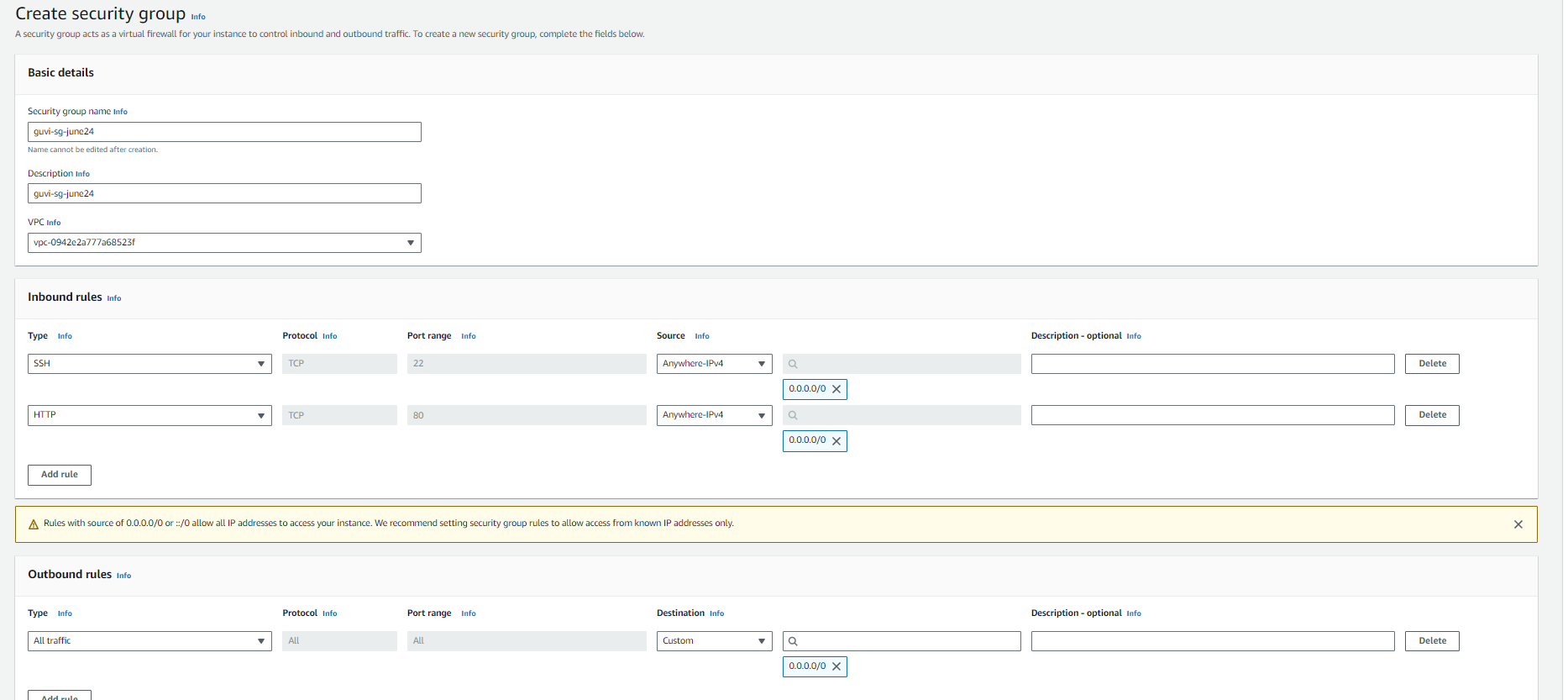
**Shell** – It’s a command line interpreter between user and HW

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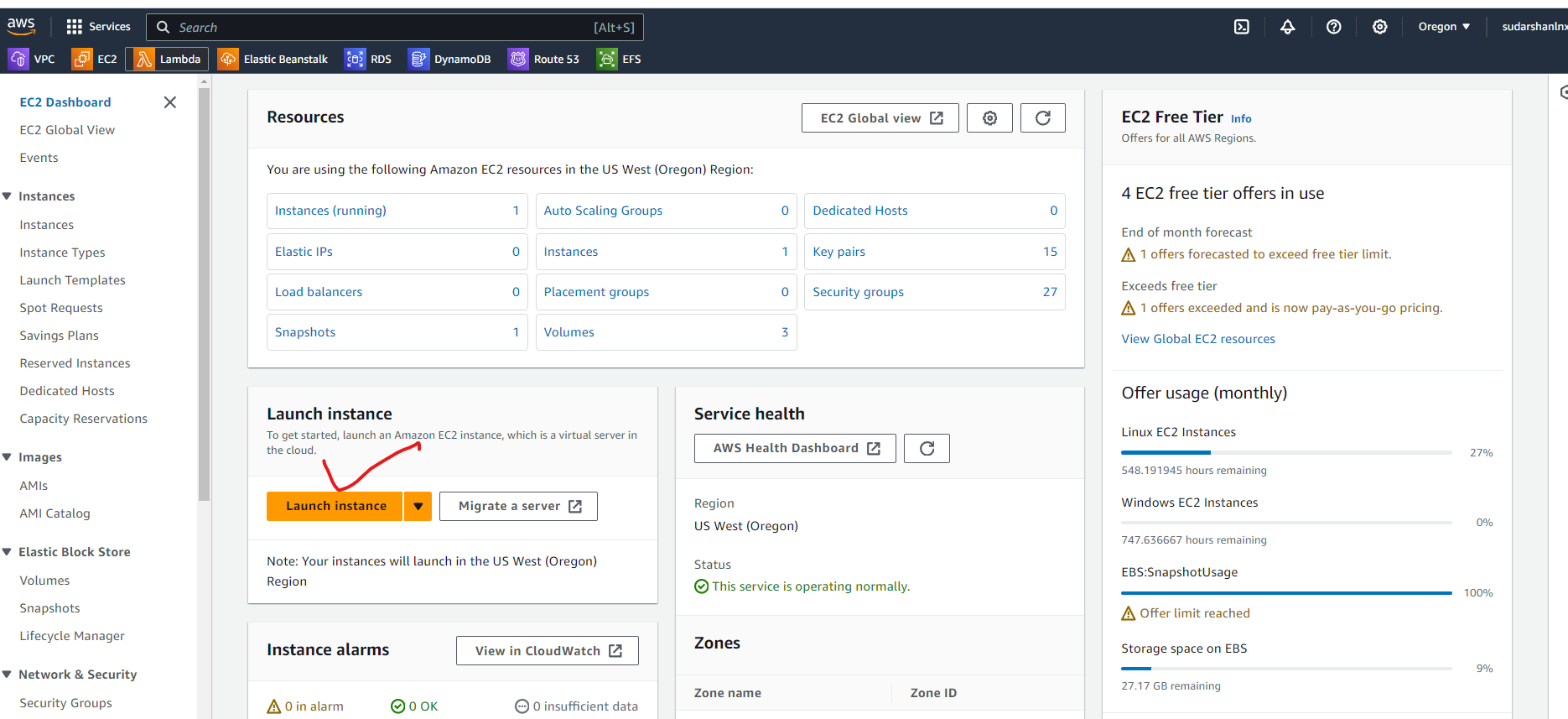
Deploying Instance in AWS – EC2

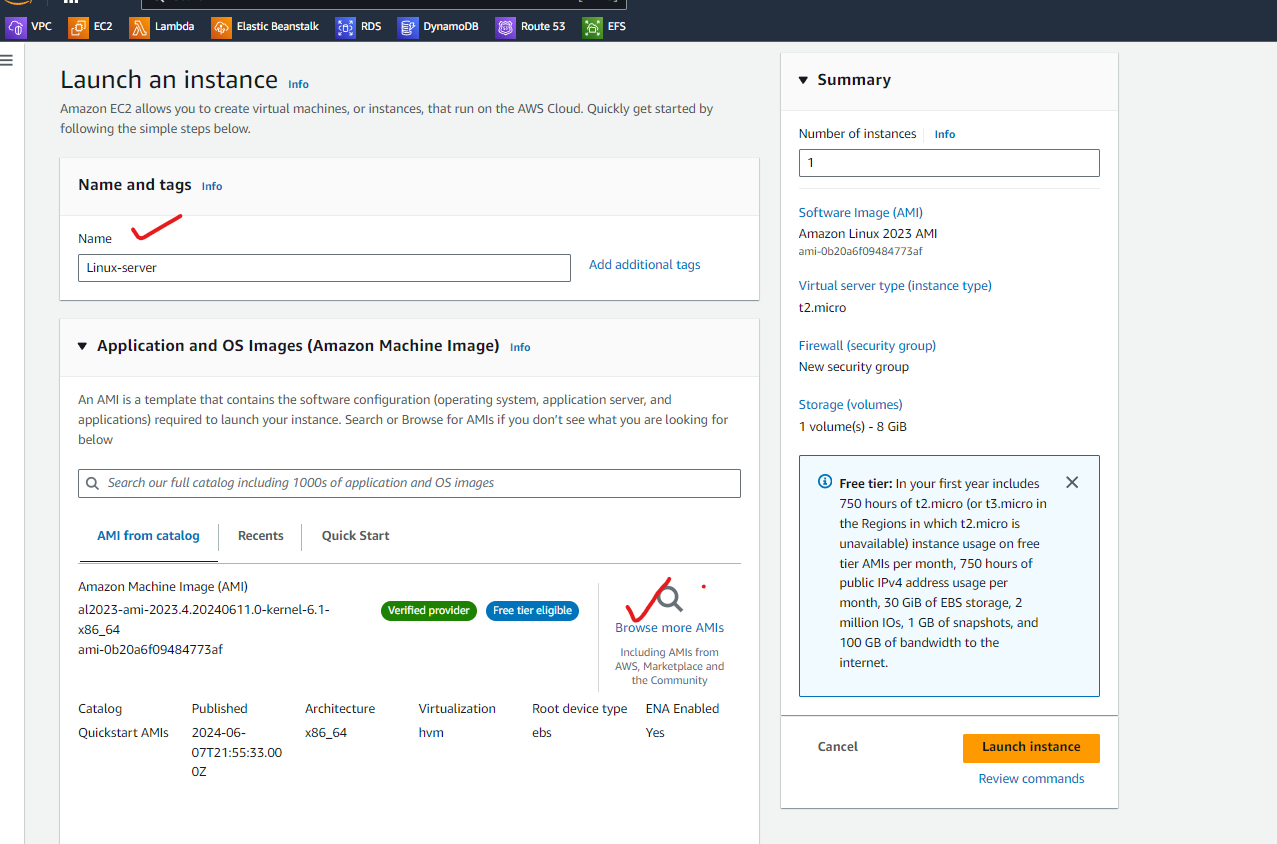
1. Create Security group:

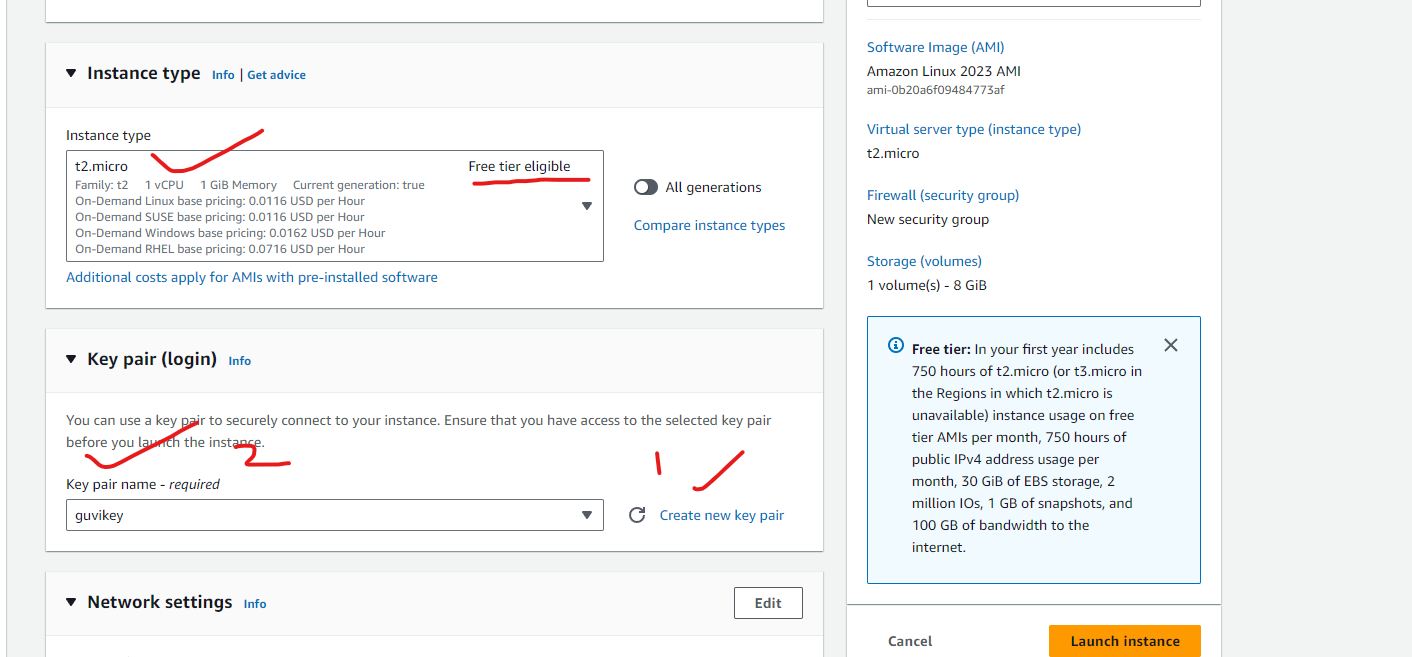


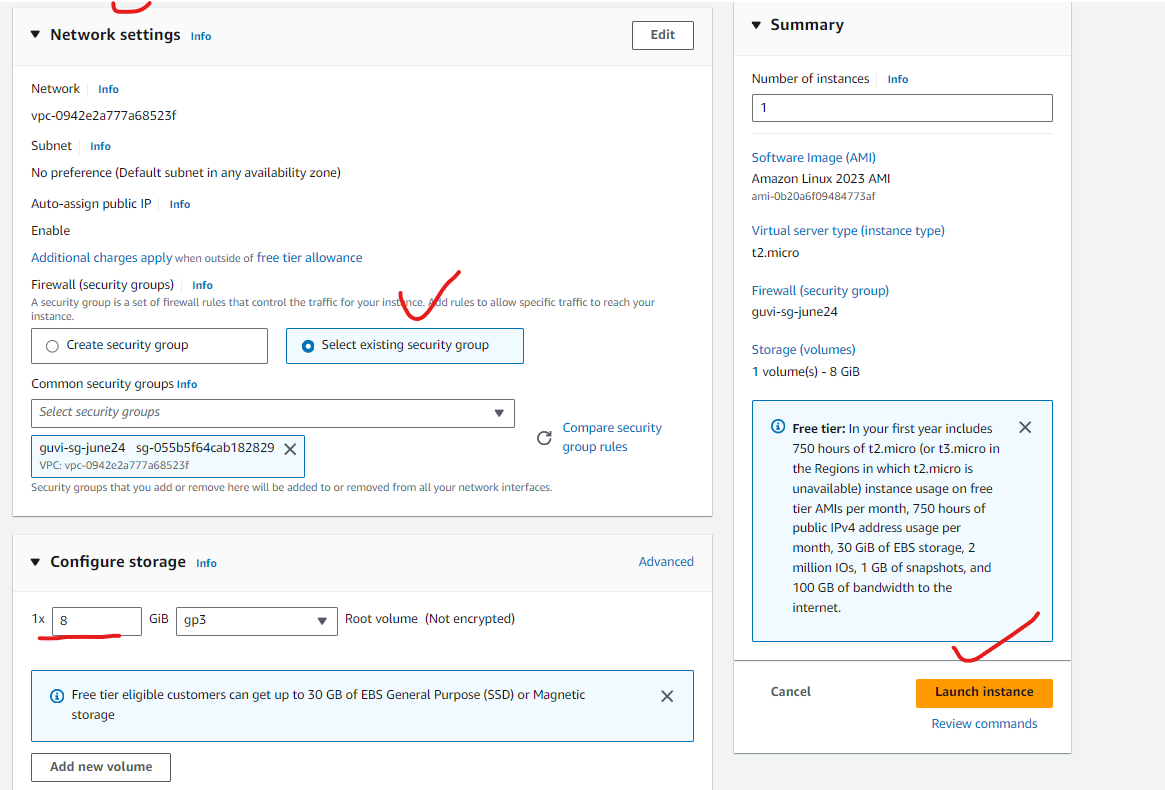


1. Search EC2 and select Launch Instance



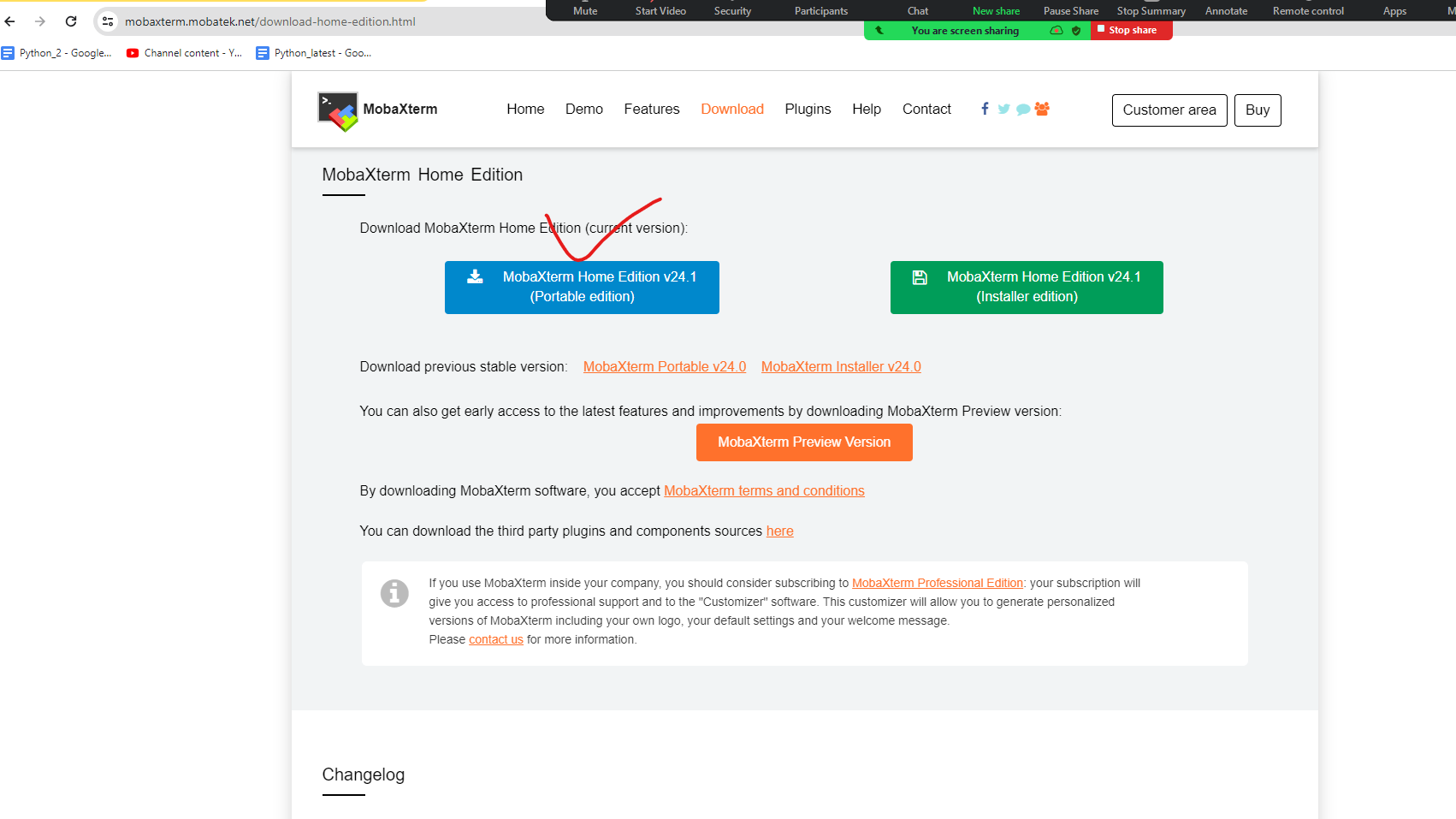


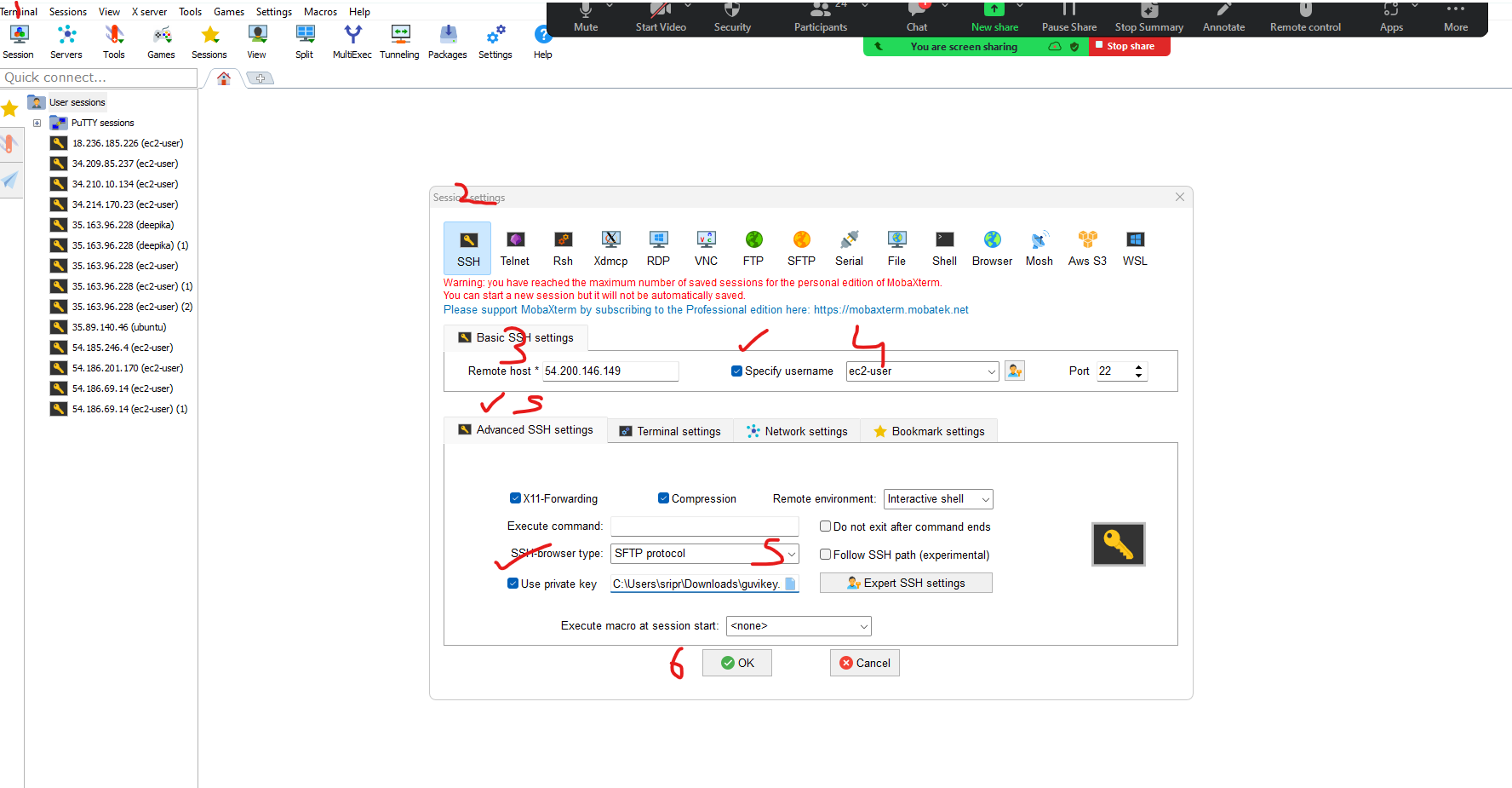




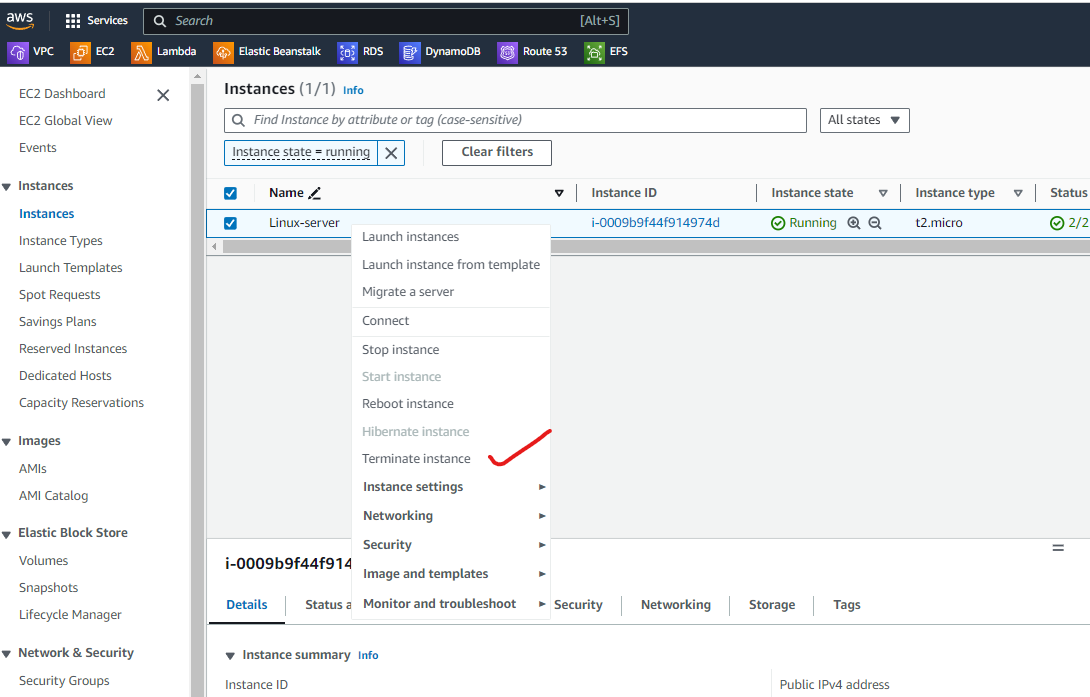
Now download Mobaxterm to connect Linux server :

<https://mobaxterm.mobatek.net/download-home-edition.html>





To terminate the AWS instance:



Xxxxxxxxxxxxxxxxxxxxxxxxxxx

Method: WSL – Windows Subsystem for Linux

#dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all /norestart

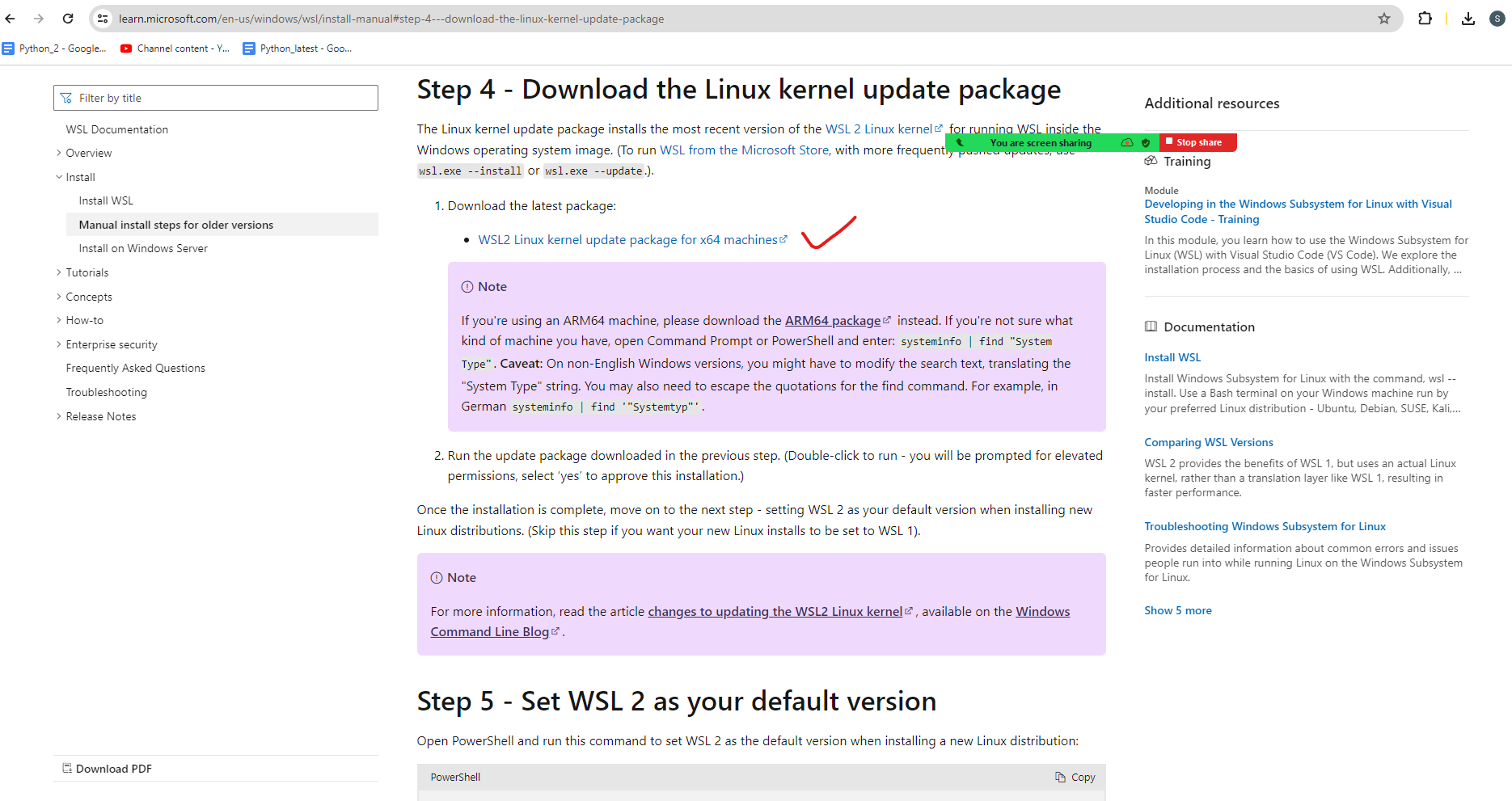
#dism.exe /online /enable-feature /featurename:VirtualMachinePlatform /all /norestart

#wsl --set-default-version 2

if the above command failed down the package directly from the wsl site:

download this package:

https://learn.microsoft.com/en-us/windows/wsl/install-manual#step-4---download-the-linux-kernel-update-package



to check all the available OS:

#wsl -l -o

To install a specific OS :

#wsl --install -d OracleLinux\_9\_1

To directly login to a available linux server :

#wsl -d OracleLinux\_7\_9

To logout from linux:

#exit

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Linux in Action:

sudo –i

pwd

mkdir python

ls

mkdir /tmp/java

ls

cd /tmp

mkdir java

cd java

touch java{01..20}.txt

ll

mv java01.txt java01.yml

mv java02.txt java02.yml

ls –ltrh

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