JENKINS and JAVA 11 INSTALLATION

WITH AWS UBUNTU IN PUTTY

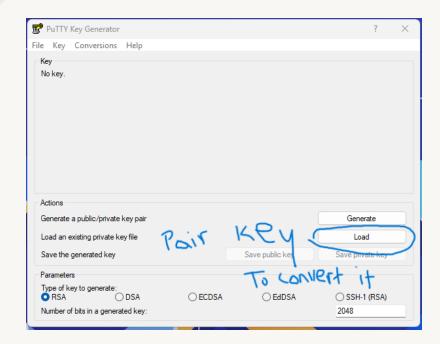
I advise you to do it steep by steep to understand the process

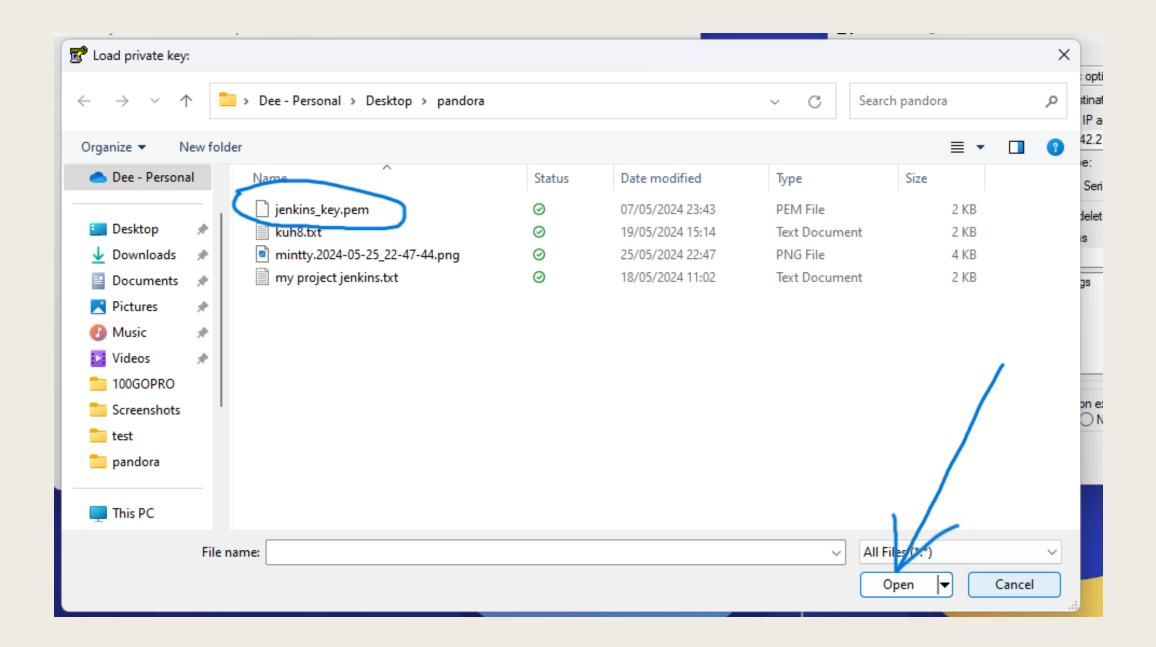
Mohamed Sesay

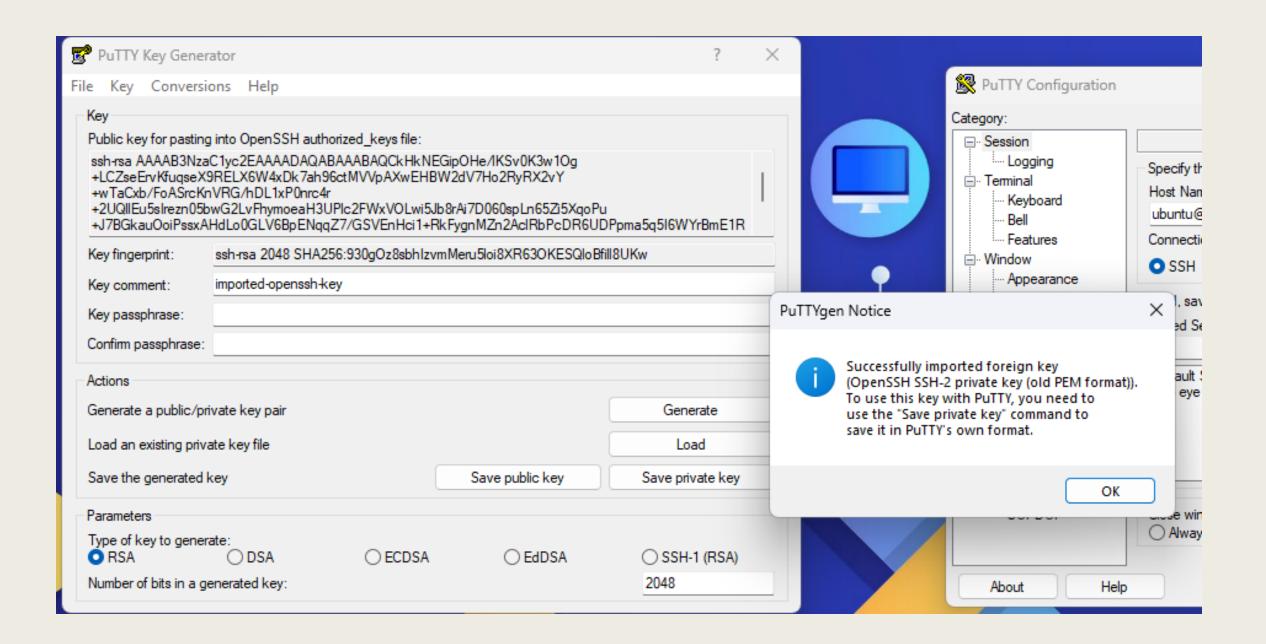
Convert PEM to PPK

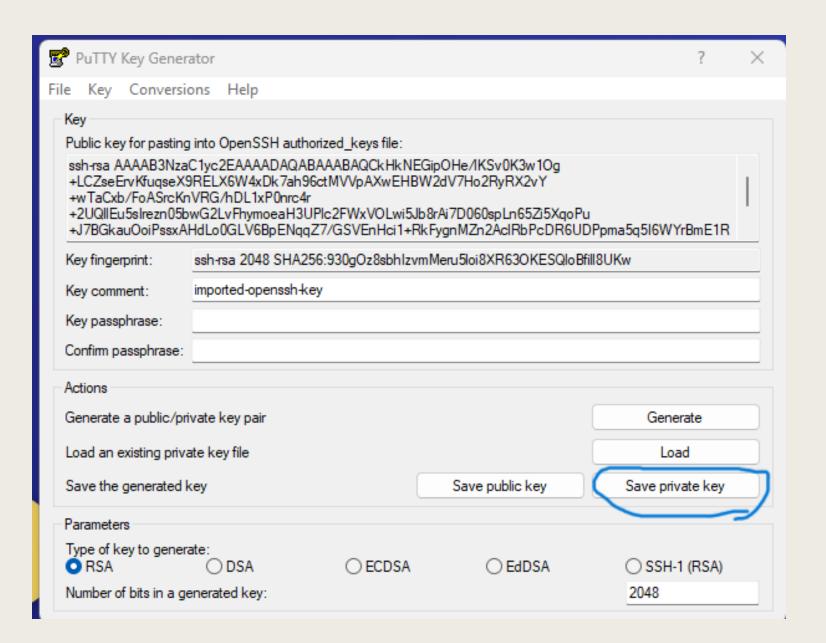
WS provides key pairs in PEM format, but PuTTY uses PPK format. You need to convert the PEM file to a PPK file using PuTTYgen.

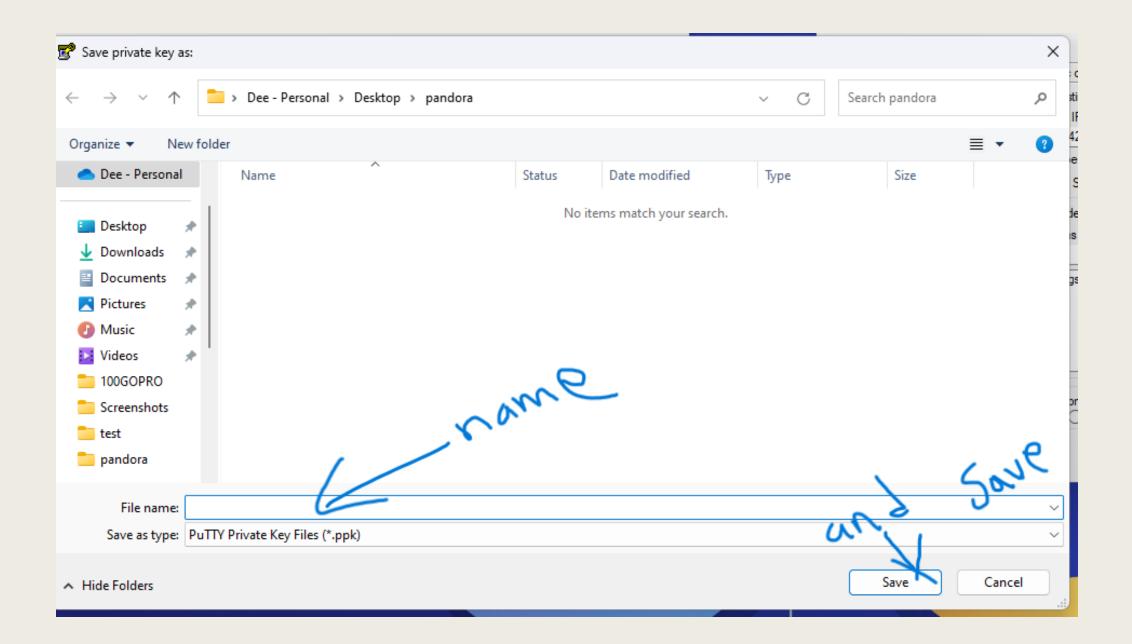
- Open PuTTYgen.
- Click on "Load" and select your PEM file.
- Click "Save private key" to save the PPK file.

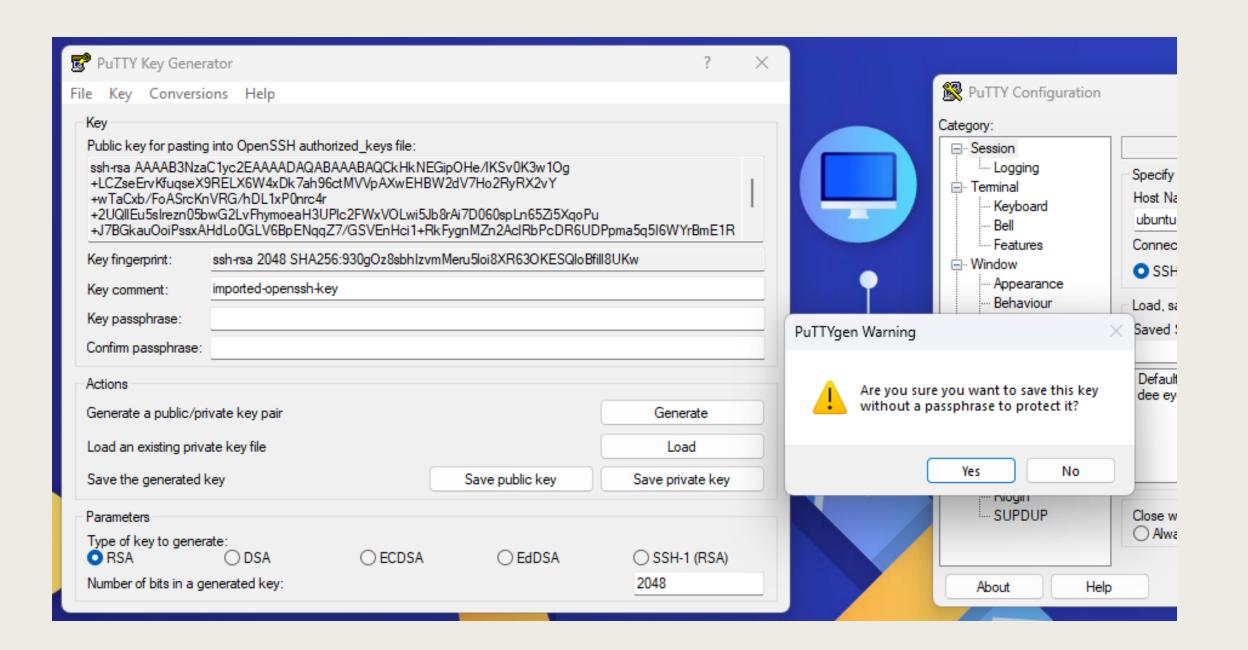


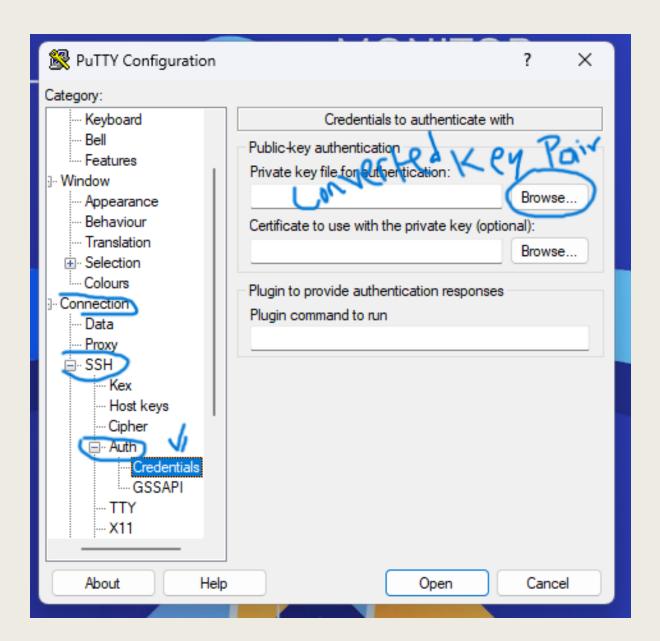


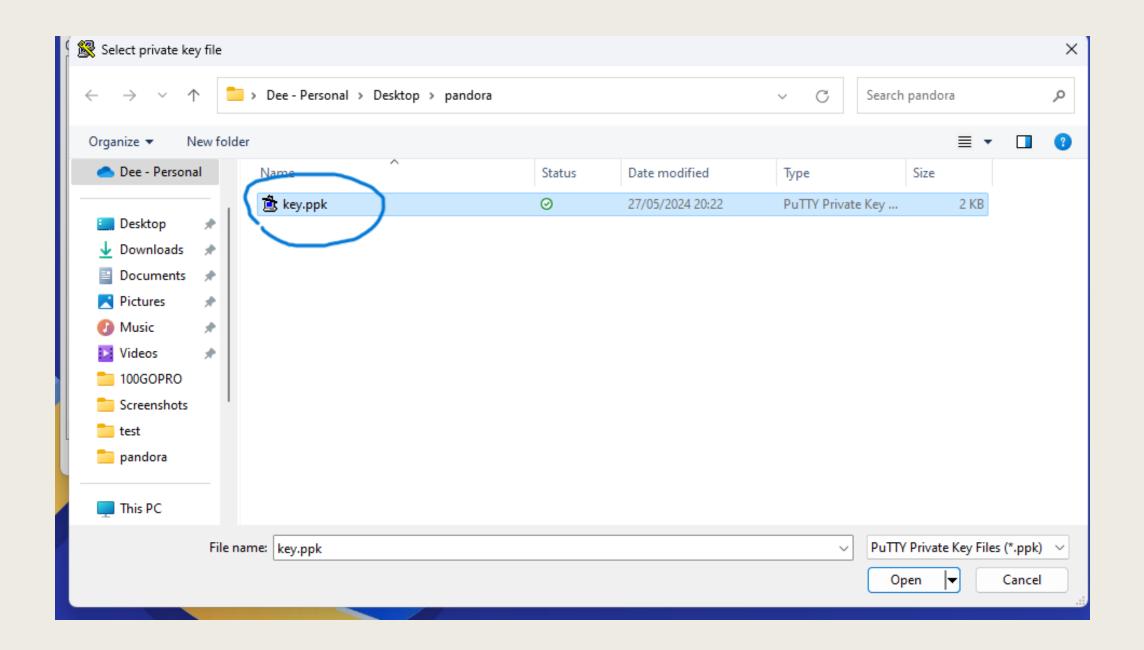


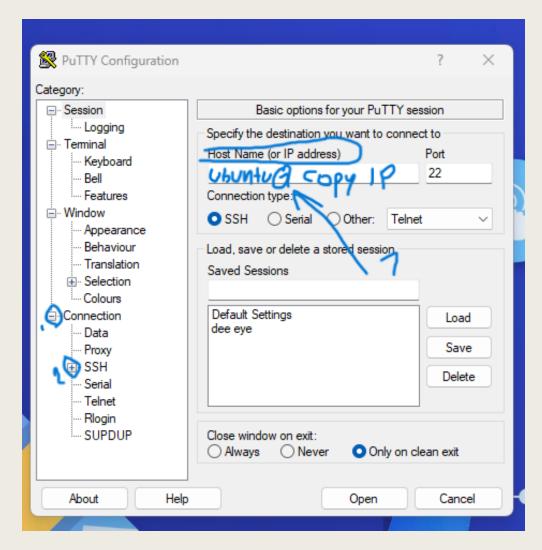










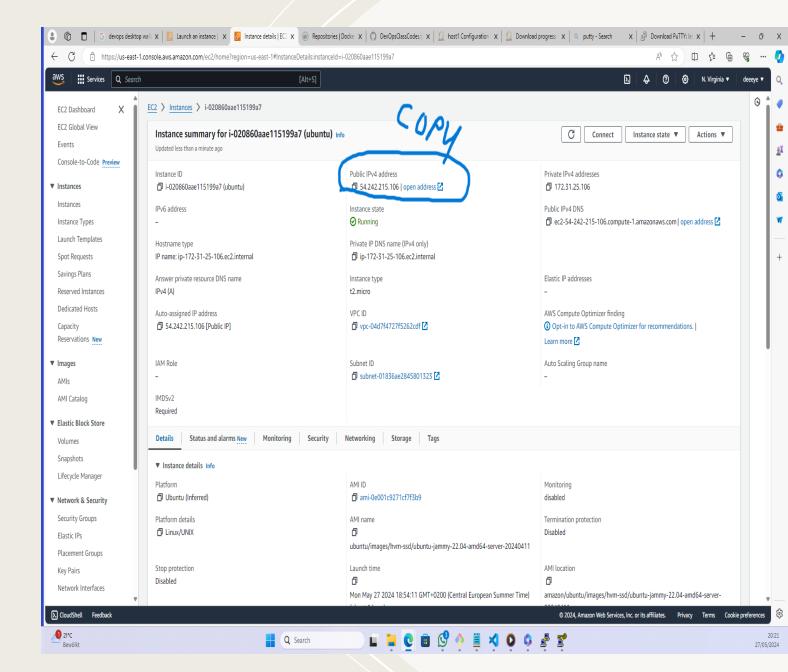


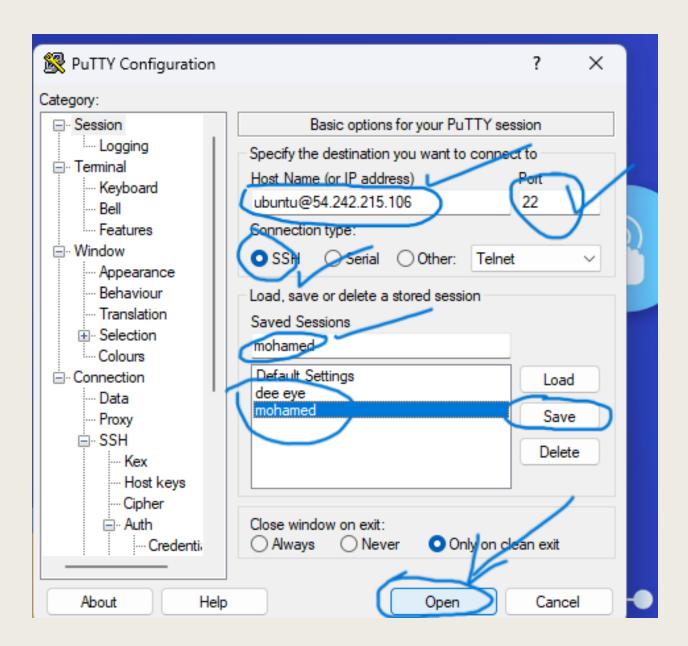
Configure PuTTY

- Open PuTTY.
- In the "Host Name" field, enter Ubuntu instances, use ubuntu@<your-instance-public-dns>.
- In the "Port" field, enter 22.
- In the "Connection -> SSH -> Auth" section, click "Browse" and select the PPK file you generated with PuTTYgen.
- Go back to the "Session" section and save your session by providing a name and clicking "Save".

Retrieve Your Public DNS

- · Go to the AWS Management Console.
- Navigate to EC2 Dashboard and find your running instance.
- Copy the Public DNS (IPv4) address of your instance.



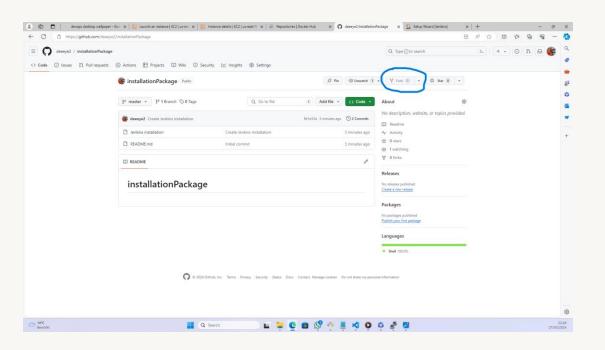


\$sudo -i

```
\times
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-1020-aws x86 64)
 * Documentation: https://help.ubuntu.com
 * Management:
                  https://landscape.canonical.com
 * Support:
                  https://ubuntu.com/pro
 System information as of Mon May 27 18:24:02 UTC 2024
  System load: 0.01
                     Processes:
                                                      98
  Usage of /: 38.6% of 7.57GB Users logged in:
  Memory usage: 20%
                                IPv4 address for eth0: 172.31.25.106
  Swap usage:
               0 %
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Mon May 27 17:31:26 2024 from 5.100.23.12
ubuntu@ubuntuhost:~$ sudo -i
```

\$touch file.sh

```
root@ubuntuhost: ~
                                                                        https://landscape.canonical.com
 * Management:
 * Support:
                  https://ubuntu.com/pro
 System information as of Mon May 27 18:24:02 UTC 2024
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Last login: Mon May 27 17:31:26 2024 from 5.100.23.12
ubuntu@ubuntuhost:~$ sudo -i
root@ubuntuhost:~# 1s
deleate.sh install file.sh snap
root@ubuntuhost:~# vim file.sh
```



Get the file from my GitHub

https://github.com/deeeye2/installationPackage.git

COPY IT TO YOUR FILE

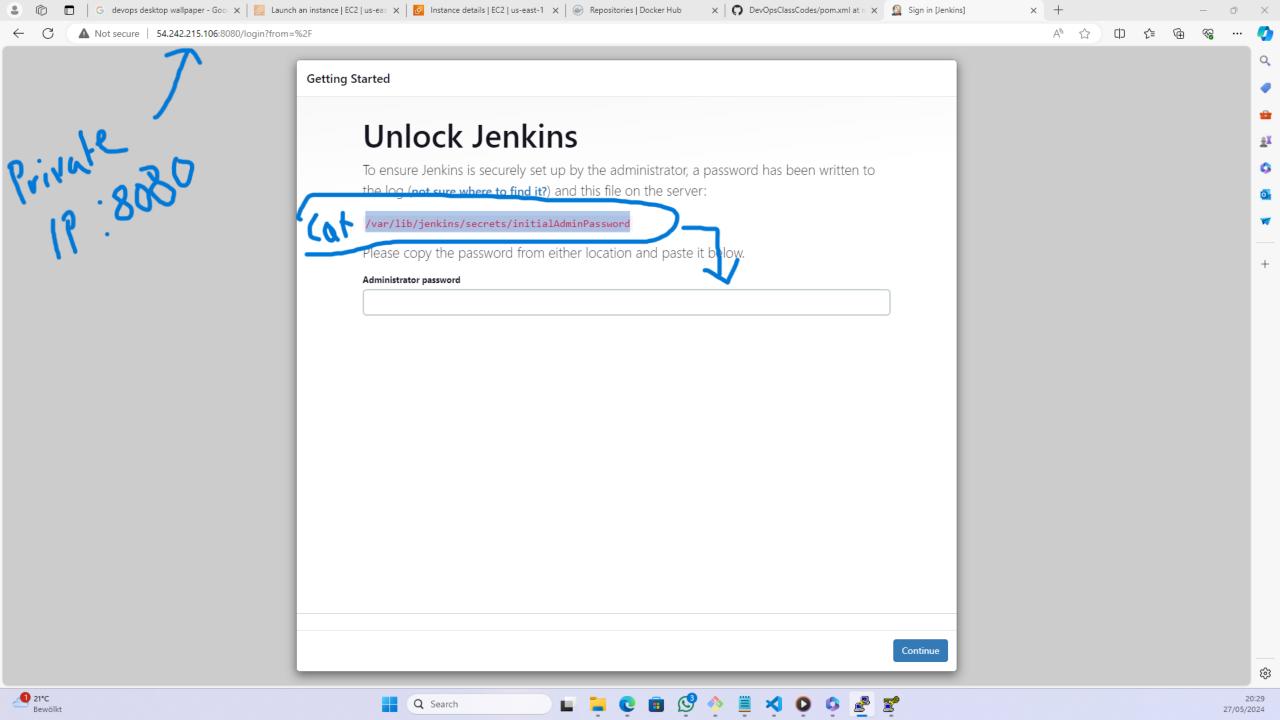
#chmod +x file.sh #./file.sh

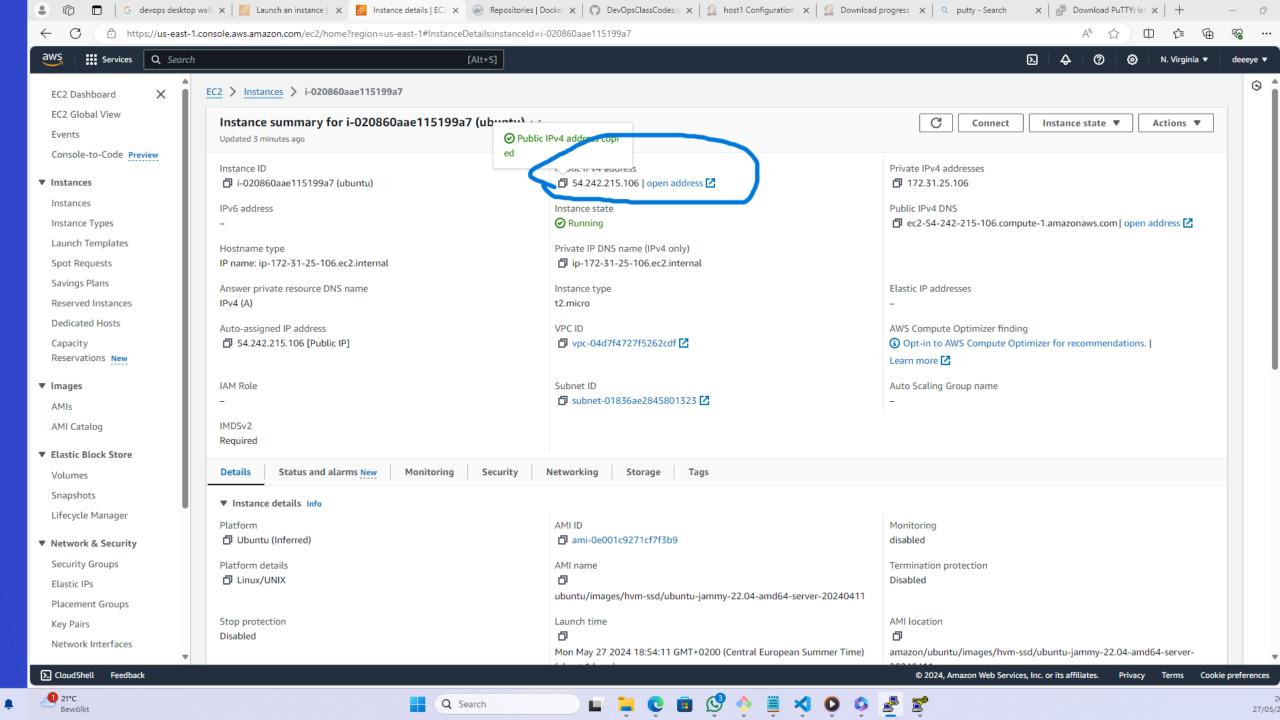
```
root@ubuntuhost: ~
ubuntu@ubuntuhost:~$ sudo -i
root@ubuntuhost:~# 1s
deleate.sh install file.sh snap
root@ubuntuhost:~# vim file.sh
root@ubuntuhost:~# chmod +x file.sh
root@ubuntuhost:~# ./file.sh
Updating package index...
Hit:l http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
2 packages can be upgraded. Run 'apt list --upgradable' to see them.
Installing Java 11...
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openjdk-11-jre-headless is already the newest version (11.0.22+7-0ubuntu2~22.04.1).
0 upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
Verifying Java installation...
openjdk version "11.0.22" 2024-01-16
OpenJDK Runtime Environment (build 11.0.22+7-post-Ubuntu-0ubuntu222.04.1)
OpenJDK 64-Bit Server VM (build 11.0.22+7-post-Ubuntu-Oubuntu222.04.1, mixed mode, sharing)
Adding Jenkins repository key...
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
Adding Jenkins repository...
Updating package index again...
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Ign:1 https://pkg.jenkins.io/debian-stable binary/ InRelease
Get:5 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Hit:7 http://security.ubuntu.com/ubuntu jammy-security InRelease
Get:8 https://pkg.jenkins.io/debian-stable binary/ Packages [26.9 kB]
Fetched 29.8 kB in 1s (33.8 kB/s)
 eading package lists... 5%
```

```
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (gemu) binaries on this host.
Setting permissions for Jenkins directories...
Setting JAVA HOME for Jenkins...
Configuring Jenkins service file...
Reloading systemd daemon...
Starting and enabling Jenkins service...
Synchronizing state of jenkins.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable jenkins
Checking Jenkins service status...

    jenkins.service - Jenkins Continuous Integration Server

    Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
    Active: active (running) since Mon 2024-05-27 18:28:07 UTC; 5s ago
  Main PID: 9478 (java)
     Tasks: 44 (limit: 1121)
    Memory: 318.2M
       CPU: 46.037s
    CGroup: /system.slice/jenkins.service
            9478 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080
May 27 18:27:31 ubuntuhost jenkins[9478]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
May 27 18:27:31 ubuntuhost jenkins[9478]: ************************
May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.062+0000 [id=30]
                                                                                         jenkins.InitReactorRunner$1#onAttained: Compl>
                                                                              INFO
May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.104+0000 [id=22]
                                                                                         hudson.lifecycle.Lifecycle#onReady: Jenkins i>
                                                                              INFO
May 27 18:28:07 ubuntuhost systemd[1]: Started Jenkins Continuous Integration Server.
May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.221+0000 [id=45]
                                                                              INFO
                                                                                         h.m.DownloadService$Downloadable#load: Obtain>
May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.222+0000 [id=45]
                                                                              INFO
                                                                                         hudson.util.Retrier#start: Performed the acti>
May 27 18:28:11 ubuntuhost systemd[1]: jenkins.service: Current command vanished from the unit file, execution of the command list won't be res
lines 1-20/20 (END)
                  \mathsf{ODE}
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Running kernel seems to be up-to-date. No services need to be restarted. No containers need to be restarted. No user sessions are running outdated binaries. No VM quests are running outdated hypervisor (qemu) binaries on this host. Setting permissions for Jenkins directories... Setting JAVA HOME for Jenkins... Configuring Jenkins service file... Reloading systemd daemon... Starting and enabling Jenkins service... Synchronizing state of jenkins.service with SysV service script with /lib/systemd/systemd-sysv-install. Executing: /lib/systemd/systemd-sysv-install enable jenkins Checking Jenkins service status... jenkins.service - Jenkins Continuous Integration Server Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled) Active: active (running) since Mon 2024-05-27 18:28:07 UTC; 5s ago Main PID: 9478 (java) Tasks: 44 (limit: 1121) Memory: 318.2M CPU: 46.037s CGroup: /system.slice/jenkins.service 9478 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080 May 27 18:27:31 ubuntuhost jenkins[9478]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.062+0000 [id=30] INFO jenkins.InitReactorRunner\$1#onAttained: Compl> May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.104+0000 [id=22] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins i> May 27 18:28:07 ubuntuhost systemd[1]: Started Jenkins Continuous Integration Server. May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.221+0000 [id=45] INFO h.m.DownloadService\$Downloadable#load: Obtain> May 27 18:28:07 ubuntuhost jenkins[9478]: 2024-05-27 18:28:07.222+0000 [id=45] INFO hudson.util.Retrier#start: Performed the acti> May 27 18:28:11 ubuntuhost systemd[1]: jenkins.service: Current command vanished from the unit file, execution of the command list won't be res lines 1-20/20 (END Jenkins installation completed. Access it at http://you server ip or domain:8080 root@ubuntuhost:~# cat /var/lib/jenkins/secrets/initialAdminPassword

```
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root@ubuntuhost.~; cat /var/llb/jenkins/secrets/initialAdminPassword
4ee3205e1ff943a09c5ed64e2e1d0eab
```

root@ubuntuhost:~#

