Jenkins Installation

Installing Java on Ubuntu

1.If a root user: sudo apt install openjdk-11-jdk

output:

```
etting up openjdk-ll-jte-headless:amd64 (11.0.11+9-Oubuntu2~20.04) ...

glate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/java to provide /usr/bin/java (java) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/jis to provide /usr/bin/js (jjs) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/keytool to provide /usr/bin/pis (jjs) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/keytool to provide /usr/bin/rmid (rmid) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/rmicepistry to provide /usr/bin/pack200 (pack200) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/pack200 to provide /usr/bin/pack200 (unpack200) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/pack200 to provide /usr/bin/pack200 (unpack200) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/jexec to provide /usr/bin/jexec (jexec) in auto mode

etting up openjdk-ll-jdk-headless:amd64 (ll.0.11+9-Oubuntu2~20.04) ...

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/jarsigner to provide /usr/bin/jarsigner (jarsigner) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/javac to provide /usr/bin/javac (javac) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/javac to provide /usr/bin/javac (javac) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/javac to provide /usr/bin/javac (javac) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/javac to provide /usr/bin/javap (javap) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/javac to provide /usr/bin/javap (javap) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/javac to provide /usr/bin/javap (javap) in auto mode

pdate-alternatives: using /usr/lib/jvm/java-ll-openjdk-amd64/bin/javac to provide /usr/bin/
```

2.Adding Jenkins Repository:

wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt key add -

sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > \

/etc/apt/sources.list.d/jenkins.list'

sudo apt update

sudo apt install jenkins

```
root@ip-172-31-46-82:/home/ubuntuf sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
    daemon net-tools
The following NEW packages will be installed:
    daemon jenkins net-tools
O upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 71.9 MB of archives.
After this operation, 75.4 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 daemon amd64 0.6.4-lbuild2 [96.3 kB]
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git20180626.aebd88e-lubuntul [196 kB]
Get:3 https://pkg.jenkins.io/debian-stable binary/ jenkins 2.289.3 [71.6 MB]
```

3.dentify the IP address of the system in order to access Jenkins via

web browser

```
Public DNS (IPv4) ec2-3-144-126-236.us-east-2.compute.amazonaws.com

IPv4 Public IP 3.144.126.236

IPv6 IPs - Activate

Elastic IPs Go to Setting
```

4.check jenkins active or not

4. Getting password to unlock jenkins

```
root@ip-172-31-46-82:/home/ubuntu# cat /var/lib/jenkins/secrets/initialAdminPassword
616162dfa7784608a93b58a56e94f4cc
root@ip-172-31-46-82:/home/ubuntu# ^C
```

4. Unlocking jenkins

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

/var/lib/jenkins/secrets/initialAdminPassword

Please copy the password from either location and paste it below.

Administrator password		