

Docker Assignment

To download Jenkins using a .sh file, you can follow these steps:

- Write Script :-

```
worker2@ubuntu:~$ cat jenkins-download.sh
#!/bin/bash

# install OpenJDK 11 JDK
sudo apt install openjdk-11-jdk -y

# Download Jenkins repository signing key
curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee /usr/share/keyrings/jenkins-keyring.asc > /dev/null

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

# Add Jenkins repository to apt sources
sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'

# Update apt sources and install Jenkins
sudo apt-get update
sudo apt-get install -y jenkins
```

- Run your script :-

```
worker2@ubuntu:~$ vim jenkins-download.sh
worker2@ubuntu:~$ ./jenkins-download.sh
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  ca-certificates-java fonts-dejavu-extra java-common libatk-wrapper-java
  libatk-wrapper-java-jni libgif7 libice-dev libpthread-stubs0-dev libsm-dev libx11-dev
  libx11-doc libxau-dev libxcb1 libxcb1-dev libxdmcp-dev libxt-dev
  openjdk-11-jdk-headless openjdk-11-jre openjdk-11-jre-headless x11proto-core-dev x11proto-dev
  xorg-sgml-doctools xtrans-dev
Suggested packages:
  default-jre libice-doc libsm-doc libxcb-doc libxt-doc openjdk-11-demo openjdk-11-source
  visualvm fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei | fonts-wqy-zenhei
The following NEW packages will be installed:
  ca-certificates-java fonts-dejavu-extra java-common libatk-wrapper-java
  libatk-wrapper-java-jni libgif7 libice-dev libpthread-stubs0-dev libsm-dev libx11-dev
  libx11-doc libxau-dev libxcb1-dev libxdmcp-dev libxt-dev openjdk-11-jdk
  openjdk-11-jdk-headless openjdk-11-jre openjdk-11-jre-headless x11proto-core-dev x11proto-dev
  xorg-sgml-doctools xtrans-dev
The following packages will be upgraded:
  libxau6 libxcb1
2 upgraded, 23 newly installed, 0 to remove and 332 not upgraded.
Need to get 265 MB/265 MB of archives.
After this operation, 427 MB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 java-common all 0.68ubuntu1-18.04.1 [14.5 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 openjdk-11-jre-headless amd64 11.0.18+10-0ubuntu1-18.04.1 [37.3 MB]
Get:3 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 ca-certificates-java all 20180516ubuntu1-18.04.1 [12.2 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 fonts-dejavu-extra all 2.37-1 [1,953 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libatk-wrapper-java all 0.33.3-20ubuntu0.1 [34.7 kB]
Get:6 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libatk-wrapper-java-jni amd64 0.33.3-20ubuntu0.1 [28.3 kB]
Get:7 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libgif7 amd64 5.1.4-2ubuntu0.1 [30.9 kB]
Get:8 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 xorg-sgml-doctools all 1:1.11-1 [12.9 kB]
```

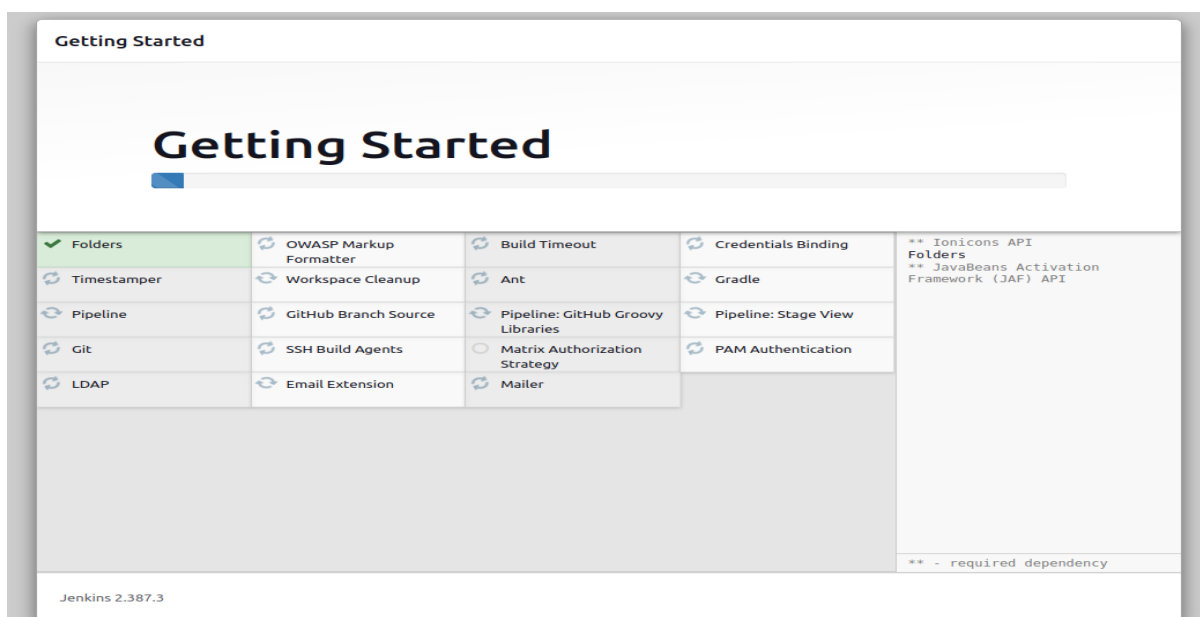
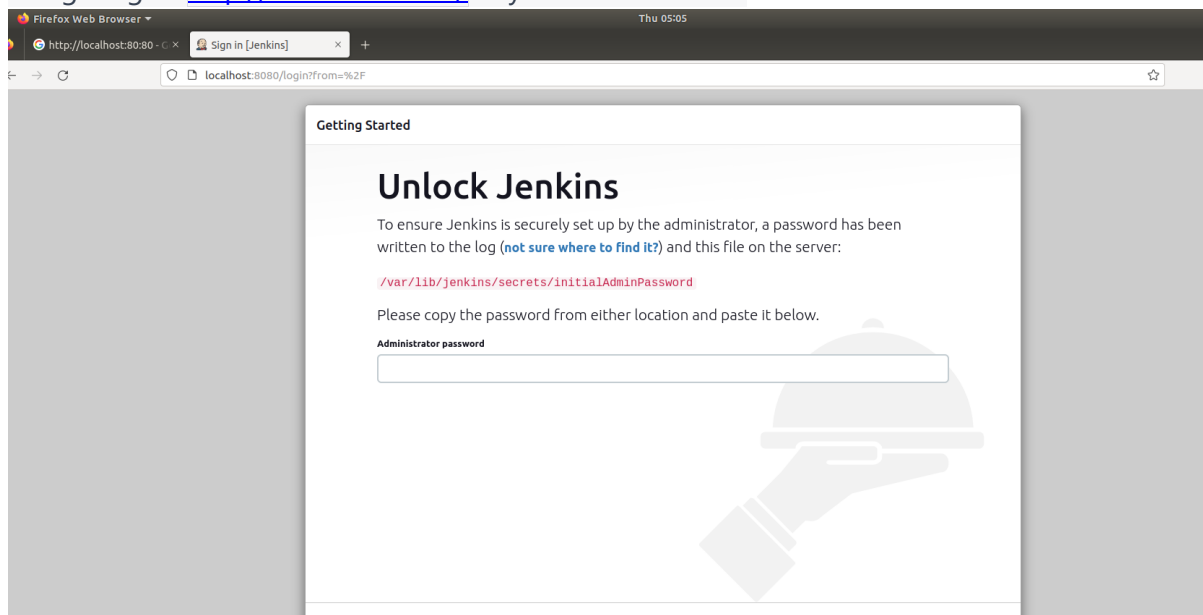
- Check the status of the Jenkins service to ensure that it is running:

```
worker2@ubuntu:~$ sudo systemctl status jenkins
[sudo] password for worker2:
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-05-04 00:26:33 PDT; 4h 34min ago
   Main PID: 26362 (java)
   Tasks: 43 (limit: 4636)
   CGroup: /system.slice/jenkins.service
           └─26362 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --web

May 04 00:26:14 ubuntu jenkins[26362]: Jenkins initial setup is required. An admin user has been
May 04 00:26:14 ubuntu jenkins[26362]: Please use the following password to proceed to installati
May 04 00:26:14 ubuntu jenkins[26362]: e2220e8eeea04ba891636a55c3069747
May 04 00:26:14 ubuntu jenkins[26362]: This may also be found at: /var/lib/jenkins/secrets/initia
May 04 00:26:14 ubuntu jenkins[26362]: *****
May 04 00:26:33 ubuntu jenkins[26362]: 2023-05-04 07:26:33.164+0000 [id=28] INFO je
May 04 00:26:33 ubuntu jenkins[26362]: 2023-05-04 07:26:33.189+0000 [id=22] INFO hu
May 04 00:26:33 ubuntu systemd[1]: Started Jenkins Continuous Integration Server.
May 04 00:26:34 ubuntu jenkins[26362]: 2023-05-04 07:26:34.033+0000 [id=46] INFO h.
May 04 00:26:34 ubuntu jenkins[26362]: 2023-05-04 07:26:34.034+0000 [id=46] INFO hu
lines 1-18/18 (END)
```

Docker Assignment

- After the installation process is complete, you should be able to access Jenkins by navigating to <http://localhost:8080/> in your web browser.



Docker Assignment

Getting Started

Create First Admin User

Username

CodeMind

Password

Confirm password

Full name

Snehal R Deshmukh

E-mail address

snehalchavan9146@gmail.com

Jenkins 2.387.3

[Skip and continue as admin](#) [Save and Continue](#)

- Your Logged in Jenkins :

Dashboard [Jenkins]

localhost:8080

Jenkins

Search (CTRL+K)

Snehal R Deshmukh

log out

Dashboard

+ New Item

People

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job

Set up a distributed build

Set up an agent

Configure a cloud

Learn more about distributed builds