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BATCH - B3 Hons.

COURSE- BTech CSE CCVT

DEVOPS OVERVIEW LAB EXPERIMENTS

LAB EXPERIMENT 1-2

Setup Environment for DevOps

Objective-

To explore the installation process and primary setup for DevOps operation.

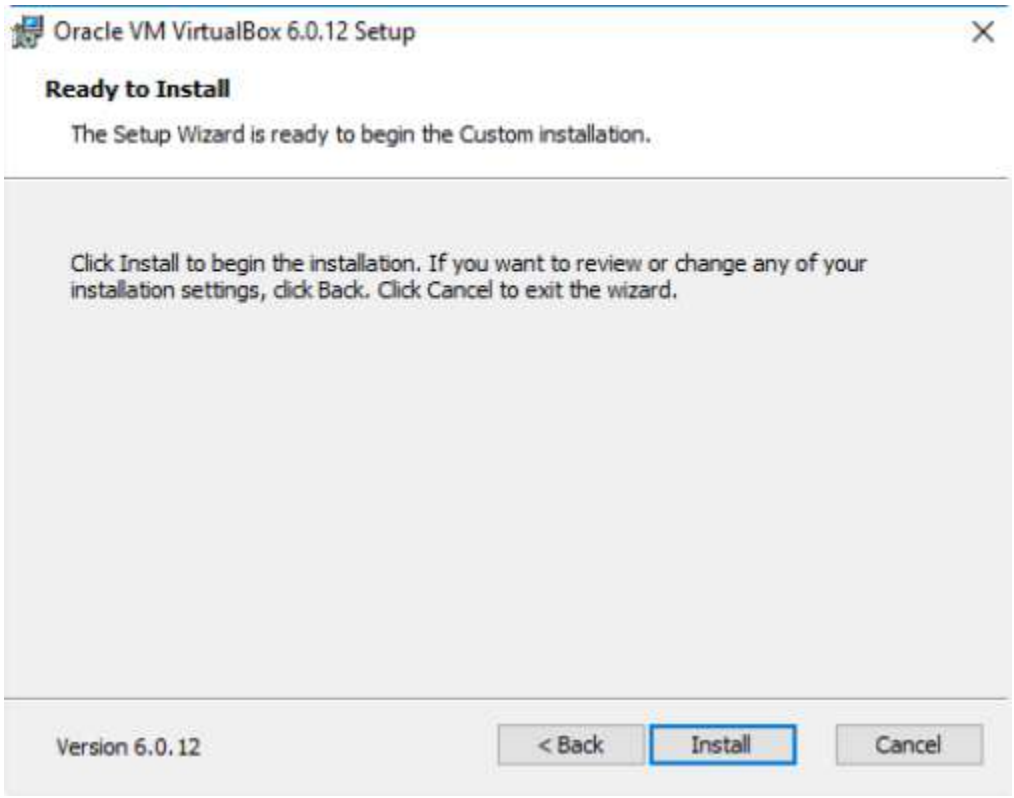
Download & Installation of Oracle Virtual Machine

1. Download the installer from this website to get an Oracle VM VirtualBox: https://www.virtualbox.org/wiki/Downloads

2. Use the Windows Explorer to launch the VirtualBox installer. If prompted, give the installer permission to modify your computer.

3. Click the Next button when the VirtualBox installation wizard opens.

4. Click the Install button to load VirtualBox to your development system.



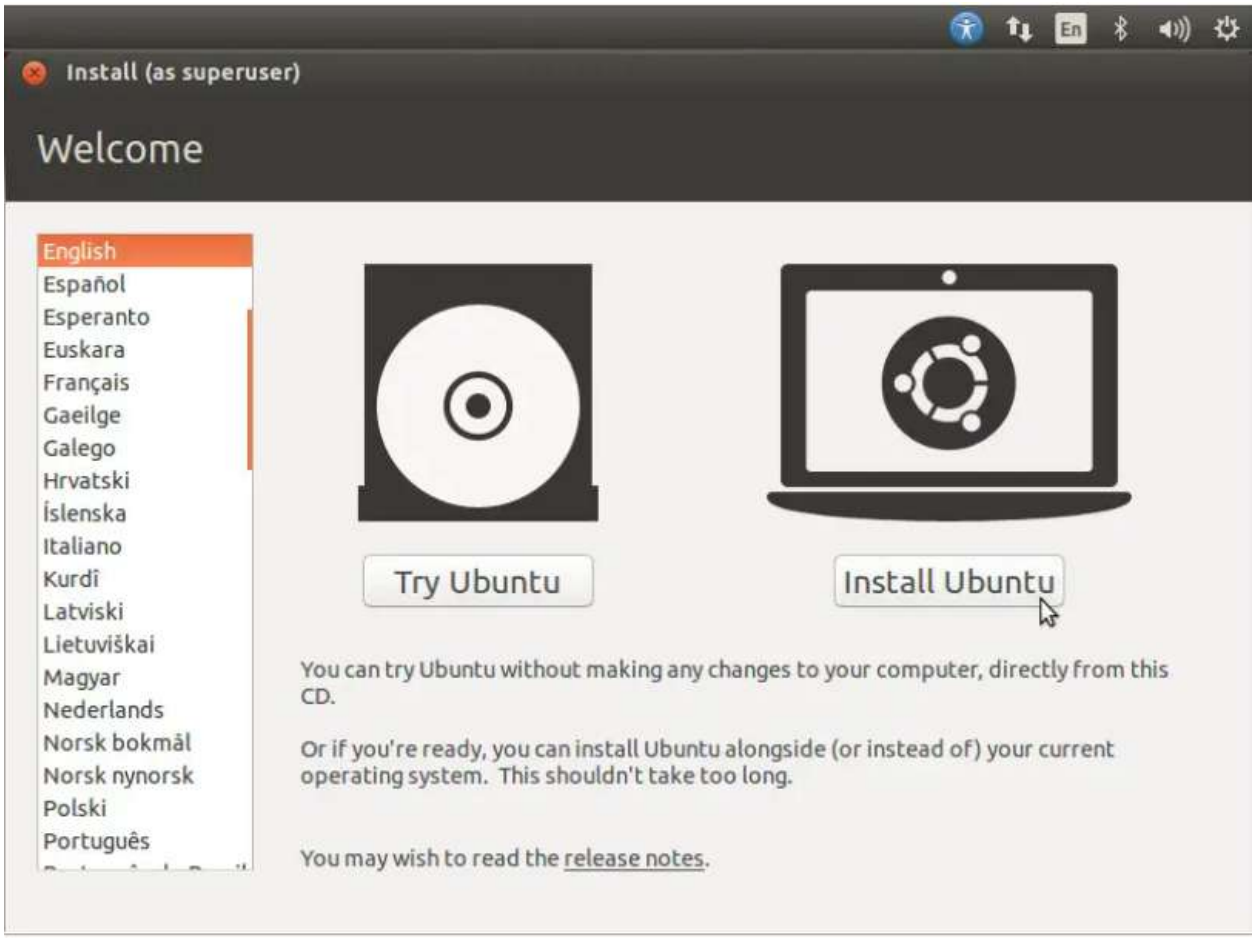
5.To finish the installation, click the Finish button. Keep the checkbox enabled so that VirtualBox will launch following installation.

Installation of ISO file

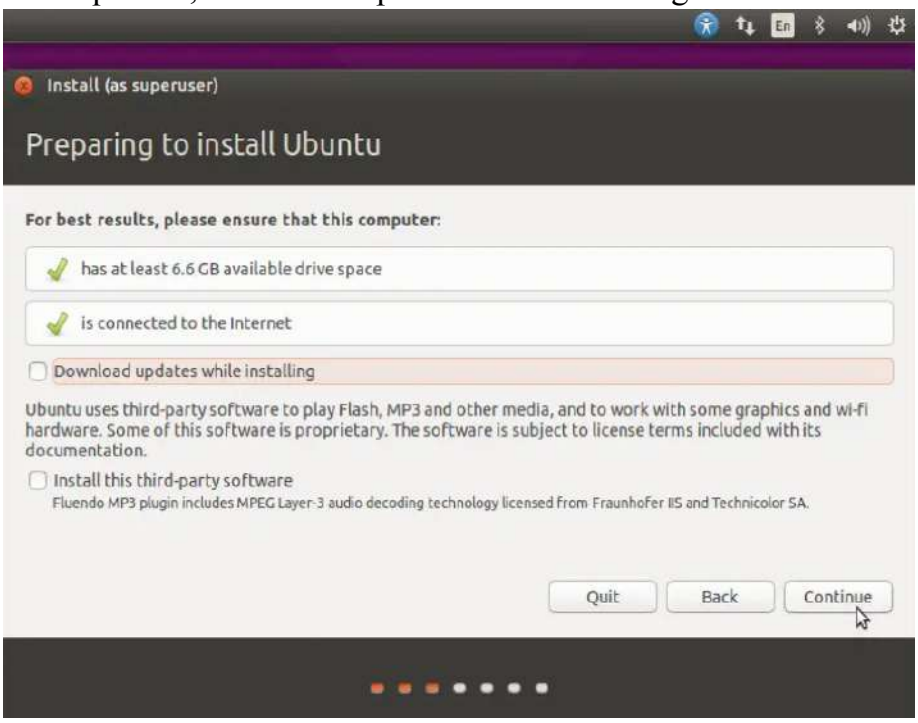
1. Download the most recent ISO image for Ubuntu.

2. After downloading the ISO file, burn it to a USB drive to make it bootable.

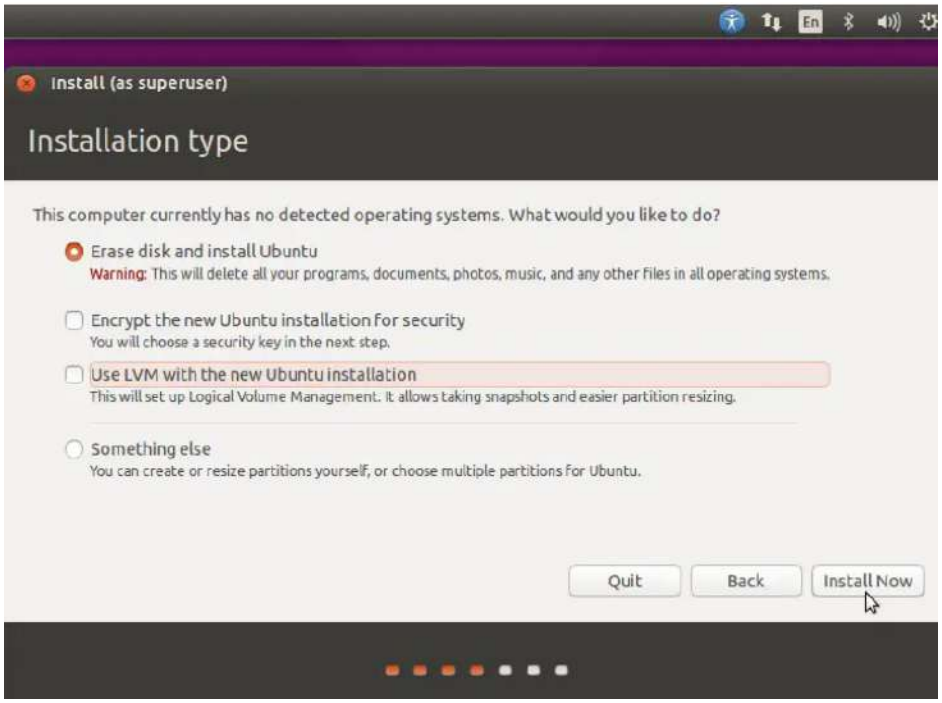
3. Click "Install Ubuntu" to begin the installation.



4. Check all Prerequisites, Download updates while installing

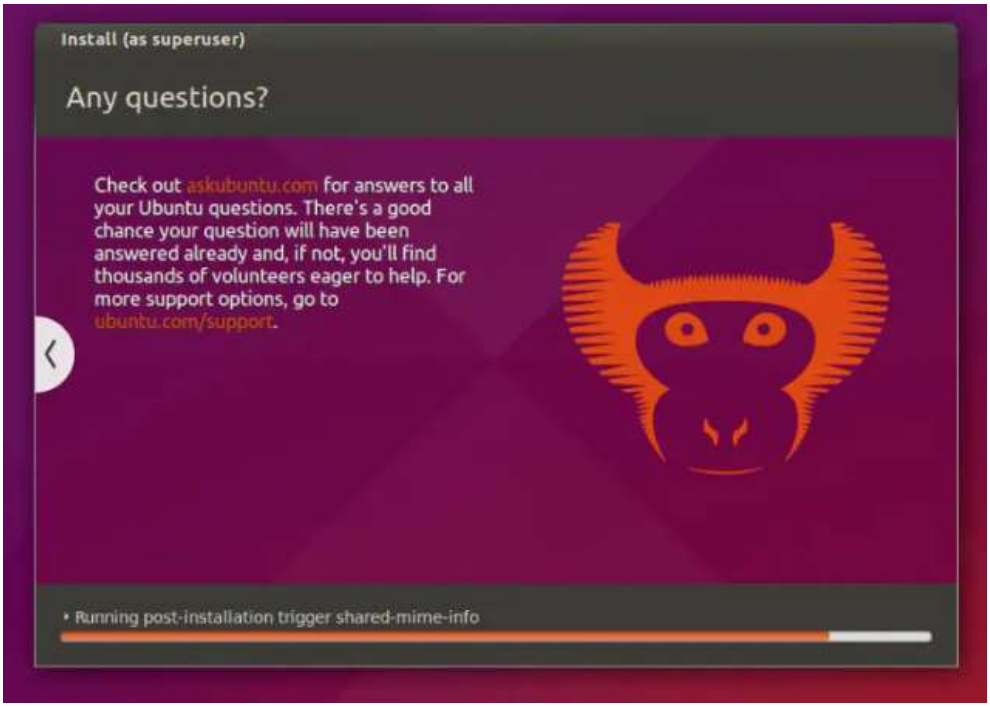


5. Select your Installation Type.

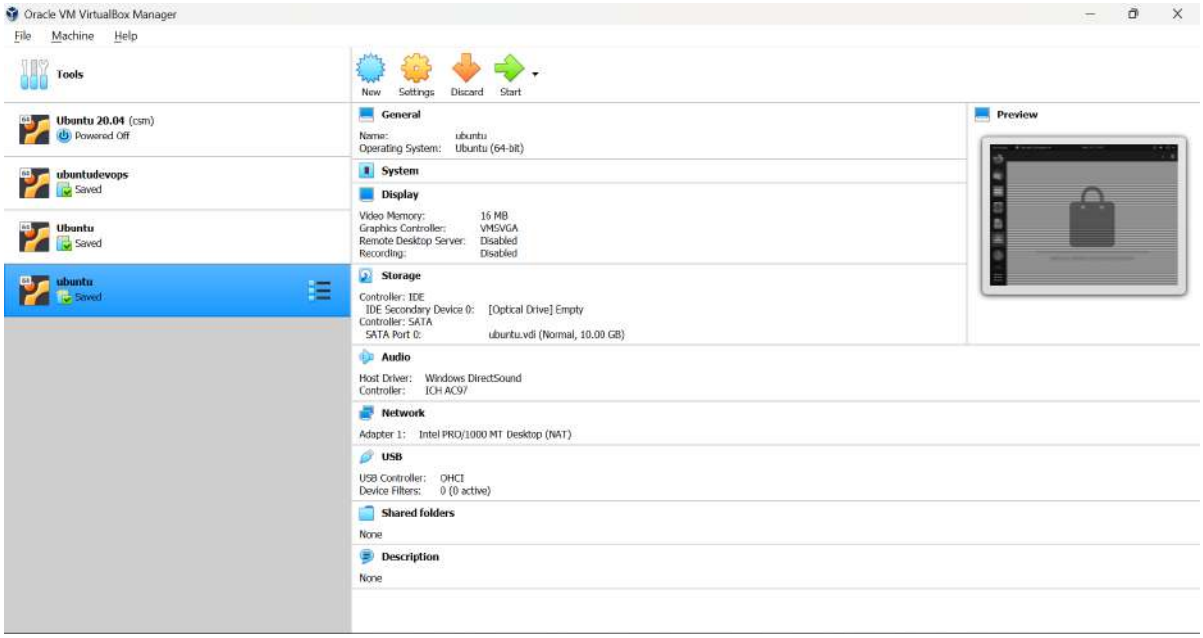


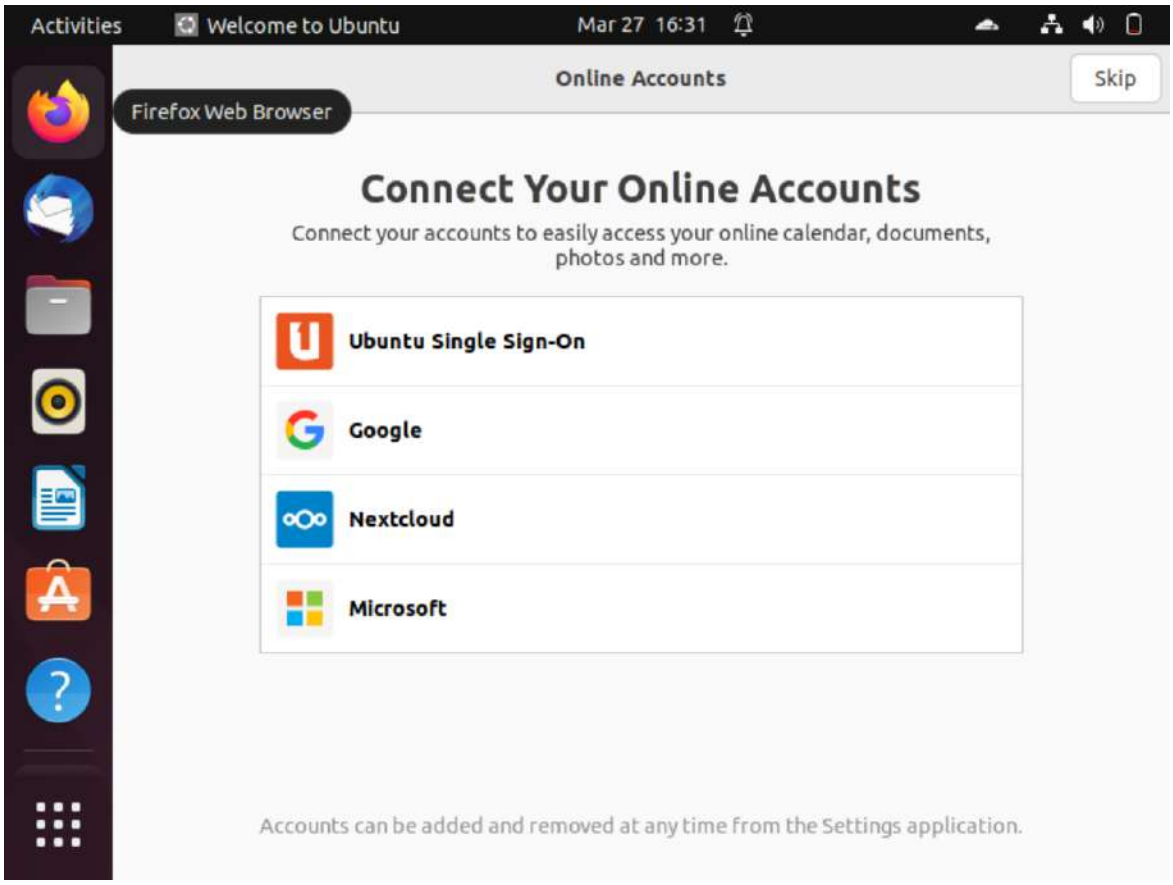
6.Set the Hostname of your system and User credentials that will be used after installation.

7. Continue and installation starts.



8. When Installation gets completed, login screen after reboot





9. Hence installation of ubuntu has been successfully done.

Setup Environment for Docker

Objective:

To explore the installation process and primary setup for Docker operation.

Docker:

Docker is a popular platform for building, shipping, and running distributed applications. It provides an efficient way to package and deploy applications and their dependencies into containers that can run consistently across different environments.

With Docker, developers can build and test their applications in a local environment, and then package them into lightweight, portable containers that can be deployed to production servers or cloud environments. Docker containers are isolated from the underlying system and have their own file system, network interfaces, and resource allocation, making them highly portable and easy to move between different environments.

Docker uses a client-server architecture, where the Docker client communicates with the Docker daemon (server) to build, run, and manage containers. Docker also provides a registry service called Docker Hub, which allows users to store, share, and download container images.

Steps for installing Docker

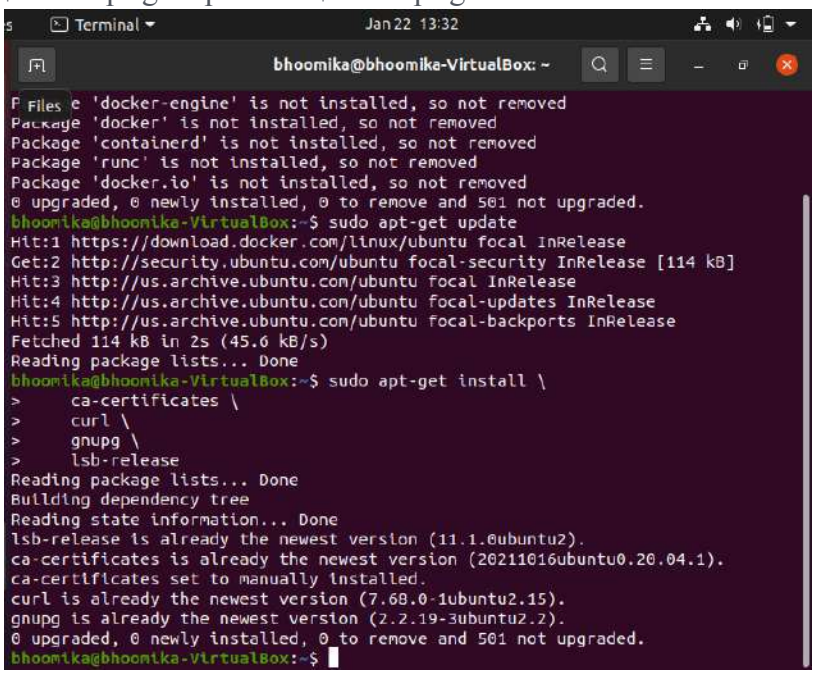
1. Open the terminal on ubuntu.
2. Remove any docker file running in the system using the following command:

```
$ sudo apt-get remove docker docker-engine docker.io
```

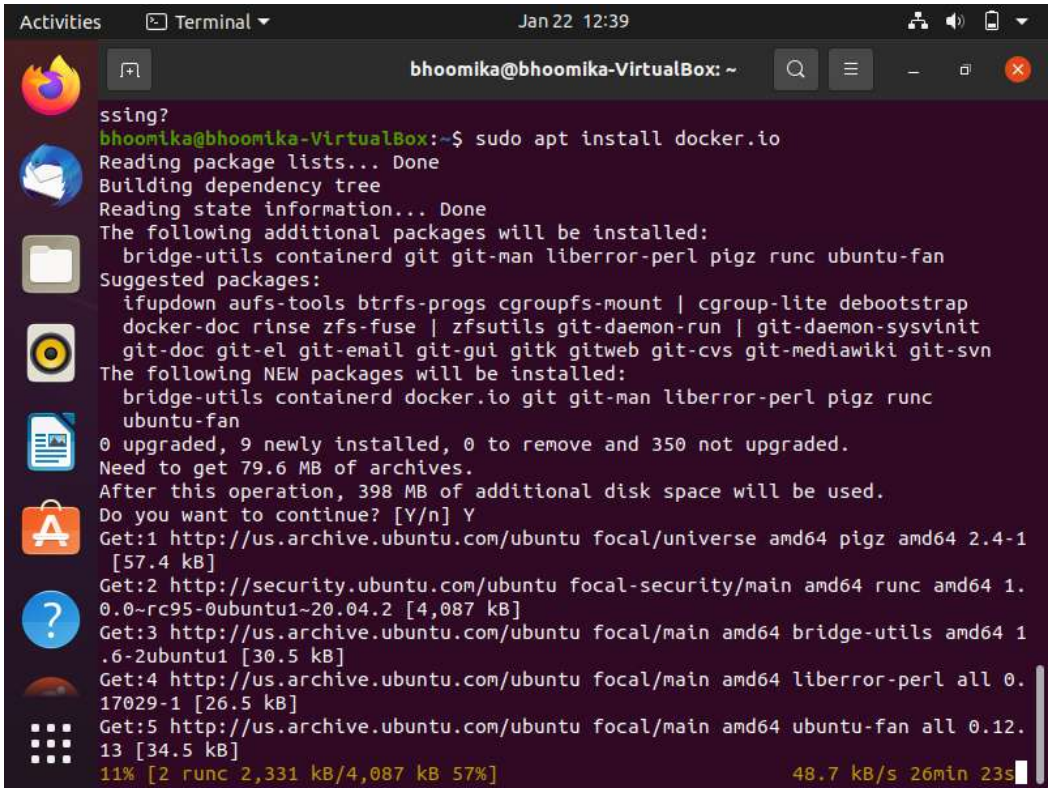
```
bhoomika@bhoomika-VirtualBox:~$ sudo apt-get remove docker docker-engine docker
.io containerd runc
[sudo] password for bhoomika:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Package 'docker-engine' is not installed, so not removed
Package 'docker' is not installed, so not removed
Package 'containerd' is not installed, so not removed
Package 'runc' is not installed, so not removed
Package 'docker.io' is not installed, so not removed
0 upgraded, 0 newly installed, 0 to remove and 501 not upgraded.
```

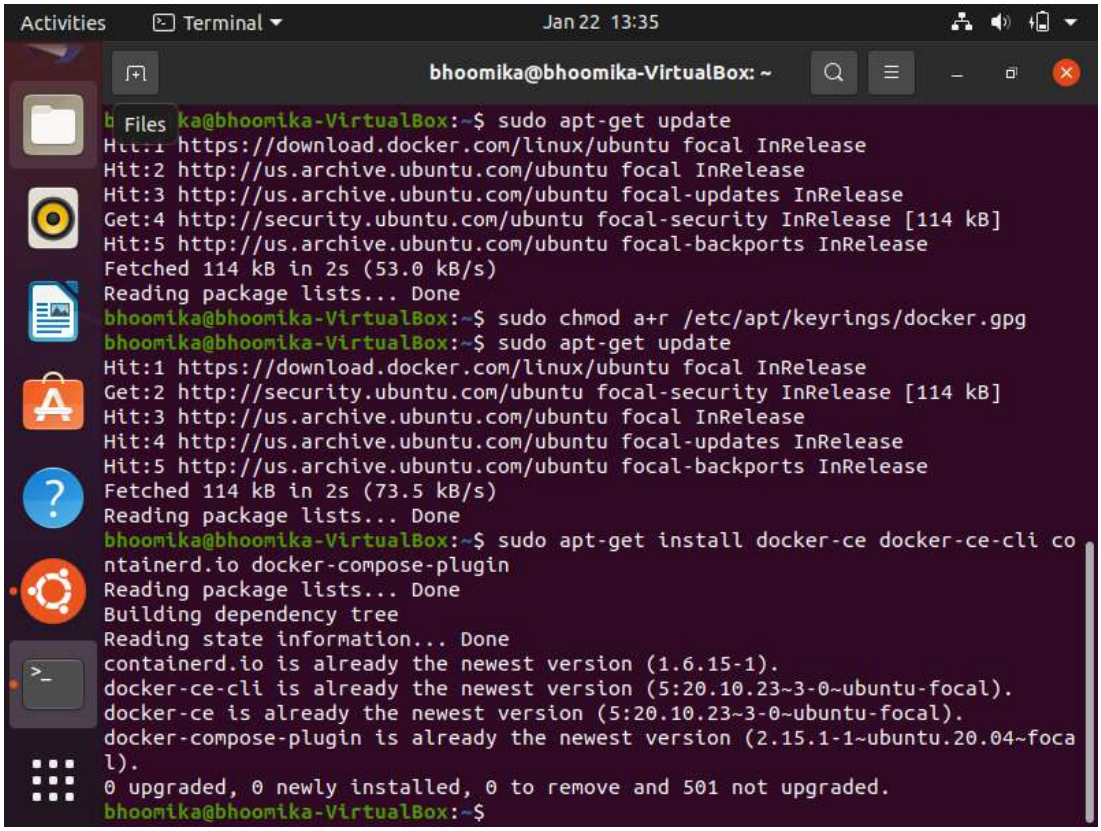
After entering the above command, you will need to enter the password of the root and press enter:

$ sudo apt-get update & $sudo apt-get install \

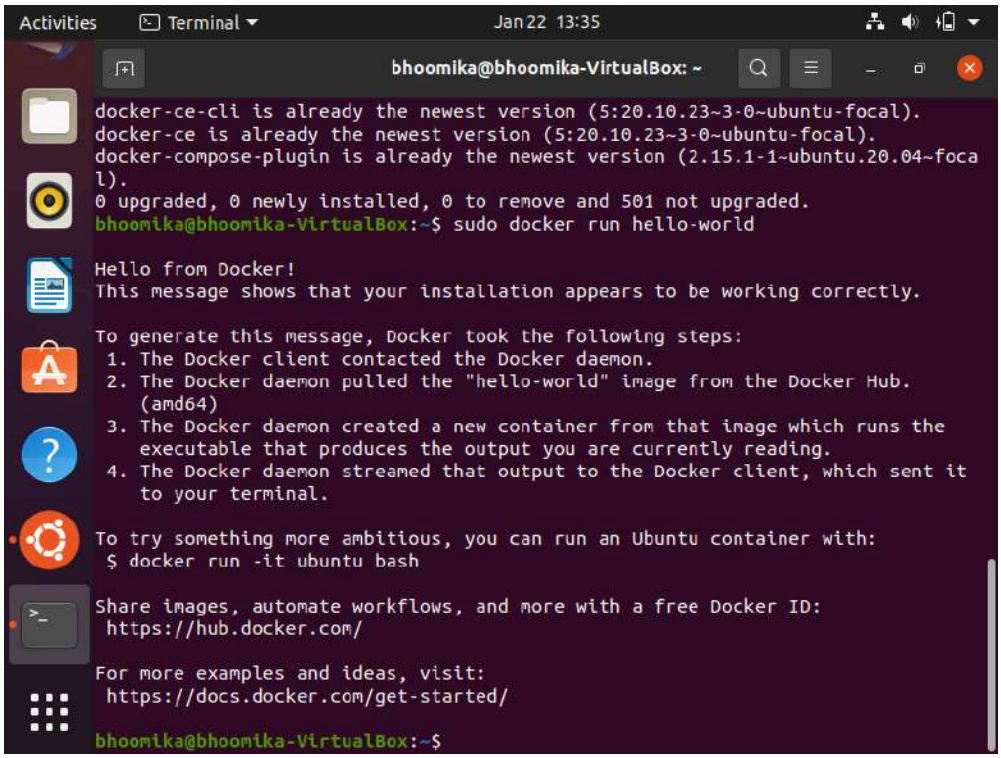


3. Install Docker using the following command: $ sudo apt install docker.io


Activities
Terminal
Jan 22 12:39
bhoomika@bhoomika-VirtualBox: ~
ssing?
bhoomika@bhoomika-VirtualBox:~$ sudo apt install docker.io
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
bridge-utils containerd git git-man liberror-perl pigz runc ubuntu-fan
Suggested packages:
ifupdown aufs-tools btrfs-progs cgroupfs-mount | cgroup-lite debootstrap
docker-doc rinse zfs-fuse | zfsutils git-daemon-run | git-daemon-sysvinit
git-doc git-el git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
bridge-utils containerd docker.io git git-man liberror-perl pigz runc
ubuntu-fan
0 upgraded, 9 newly installed, 0 to remove and 350 not upgraded.
Need to get 79.6 MB of archives.
After this operation, 398 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1
[57.4 kB]
Get:2 http://security.ubuntu.com/ubuntu focal-security/main amd64 runc amd64 1.
0.0~rc95-0ubuntu1~20.04.2 [4,087 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu focal/main amd64 bridge-utils amd64 1
.6-2ubuntu1 [30.5 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.
17029-1 [26.5 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu focal/main amd64 ubuntu-fan all 0.12.
13 [34.5 kB]
11% [2 runc 2,331 kB/4,087 kB 57%]
48.7 kB/s 26min 23s


Activities
Terminal
Jan 22 13:35
bhoomika@bhoomika-VirtualBox: ~
Files
ka@bhoomika-VirtualBox:~$ sudo apt-get update
Hit:1 https://download.docker.com/linux/ubuntu focal InRelease
Hit:2 http://us.archive.ubuntu.com/ubuntu focal InRelease
Hit:3 http://us.archive.ubuntu.com/ubuntu focal-updates InRelease
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Hit:5 http://us.archive.ubuntu.com/ubuntu focal-backports InRelease
Fetched 114 kB in 2s (53.0 kB/s)
Reading package lists... Done
bhoomika@bhoomika-VirtualBox:~$ sudo chmod a+r /etc/apt/keyrings/docker.gpg
bhoomika@bhoomika-VirtualBox:~$ sudo apt-get update
Hit:1 https://download.docker.com/linux/ubuntu focal InRelease
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Hit:3 http://us.archive.ubuntu.com/ubuntu focal InRelease
Hit:4 http://us.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:5 http://us.archive.ubuntu.com/ubuntu focal-backports InRelease
Fetched 114 kB in 2s (73.5 kB/s)
Reading package lists... Done
bhoomika@bhoomika-VirtualBox:~$ sudo apt-get install docker-ce docker-ce-cli co
ntainerd.io docker-compose-plugin
Reading package lists... Done
Building dependency tree
Reading state information... Done
containerd.io is already the newest version (1.6.15-1).
docker-ce-cli is already the newest version (5:20.10.23~3-0~ubuntu-focal).
docker-ce is already the newest version (5:20.10.23~3-0~ubuntu-focal).
docker-compose-plugin is already the newest version (2.15.1-1~ubuntu.20.04~foca
l).
0 upgraded, 0 newly installed, 0 to remove and 501 not upgraded.
bhoomika@bhoomika-VirtualBox:~$

4. Pull an image from the Docker hub using the following command:
$ sudo docker run hello-world



Download Docker Images:

Run the following commands to download the necessary images
docker pull Jenkins
docker pull sonarqube
docker pull artifactory
docker pull tomcat
docker pull alpine

```
bhoomika@bhoomika-VirtualBox:~$ sudo docker pull jenkins/jenkins
Using default tag: latest
latest: Pulling from jenkins/jenkins
bbeef03cda1f: Pull complete
a61ea04afc1d: Pull complete
6990a46c7b5c: Pull complete
e3d7c760cf41: Pull complete
cdb544bd23d8: Pull complete
4a1dc474877f: Pull complete
ab679c9157da: Pull complete
209b2c8639fb: Pull complete
42542409622a: Pull complete
4001cfe35ad4: Pull complete
1ddd2f03d6b8: Pull complete
c74adb4c5237: Pull complete
941a19fa743a: Pull complete
Digest: sha256:e36d66e72b00fb74b2025124cc5865d96cfd76bb443d8c6f8e19978fad85e1b5
Status: Downloaded newer image for jenkins/jenkins:latest
docker.io/jenkins/jenkins:latest
bhoomika@bhoomika-VirtualBox:~$
```

```
bhoomika@bhoomika-VirtualBox:~$ sudo docker pull sonarqube
Using default tag: latest
latest: Pulling from library/sonarqube
9621f1afde84: Pull complete
4c884cb0d3d1: Pull complete
cb4d01bc5fb2: Pull complete
Digest: sha256:d01fc01edd48c0fcdd8841255cfc30eb05b43e160b4c1b9056ca0c75d32ac285
Status: Downloaded newer image for sonarqube:latest
docker.io/library/sonarqube:latest
bhoomika@bhoomika-VirtualBox:~$
```

```
bhoomika@bhoomika-VirtualBox:~$ sudo docker pull tomcat
[sudo] password for bhoomika:
Using default tag: latest
latest: Pulling from library/tomcat
6e3729cf69e0: Already exists
4d8d923227d8: Pull complete
eda8241fd25f: Pull complete
35dccabde73d: Pull complete
978c906bcdda: Pull complete
08704f8dfd0f: Pull complete
ebe8c94df885: Pull complete
Digest: sha256:c44757f6f0838ad3a4bb3788d9eddaabadf3476e99058320ab5b3beb2f223315
Status: Downloaded newer image for tomcat:latest
docker.io/library/tomcat:latest
bhoomika@bhoomika-VirtualBox:~$
```

```
bhoomika@bhoomika-VirtualBox:~$ sudo docker pull mattgruter/artifactory
[sudo] password for bhoomika:
Using default tag: latest
latest: Pulling from mattgruter/artifactory
f2b6b4884fc8: Pull complete
4fb899b4df21: Pull complete
9837675e6940: Pull complete
d602d78cf335: Pull complete
0f0d228baacb: Pull complete
171ed19f6416: Pull complete
70f4101f261c: Pull complete
dd40686a1f5d: Pull complete
ff1231208b5e: Pull complete
7219fbe81a71: Pull complete
ac6015a2a0f7: Pull complete
a0ad062c54ac: Pull complete
ae0875201a59: Pull complete
46b5bf075aa0: Pull complete
b6a51644fe2d: Pull complete
0b6dd3fdae72: Pull complete
bad89fa5f526: Pull complete
314c6fbce538: Pull complete
Digest: sha256:a7945509188ad0ead4969ab75a5051f9b7c26afc2b48629513521f77c8b86acf
Status: Downloaded newer image for mattgruter/artifactory:latest
docker.io/mattgruter/artifactory:latest
bhoomika@bhoomika-VirtualBox:~$
```

```
bhoomika@bhoomika-VirtualBox:~$ sudo docker pull alpine
Using default tag: latest
latest: Pulling from library/alpine
8921db27df28: Pull complete
Digest: sha256:f271e74b17ced29b915d351685fd4644785c6d1559dd1f2d4189a5e851ef753a
Status: Downloaded newer image for alpine:latest
docker.io/library/alpine:latest
bhoomika@bhoomika-VirtualBox:~$
```

Validate Images are available

If you see images in in the list, you are all set up for docker operations.

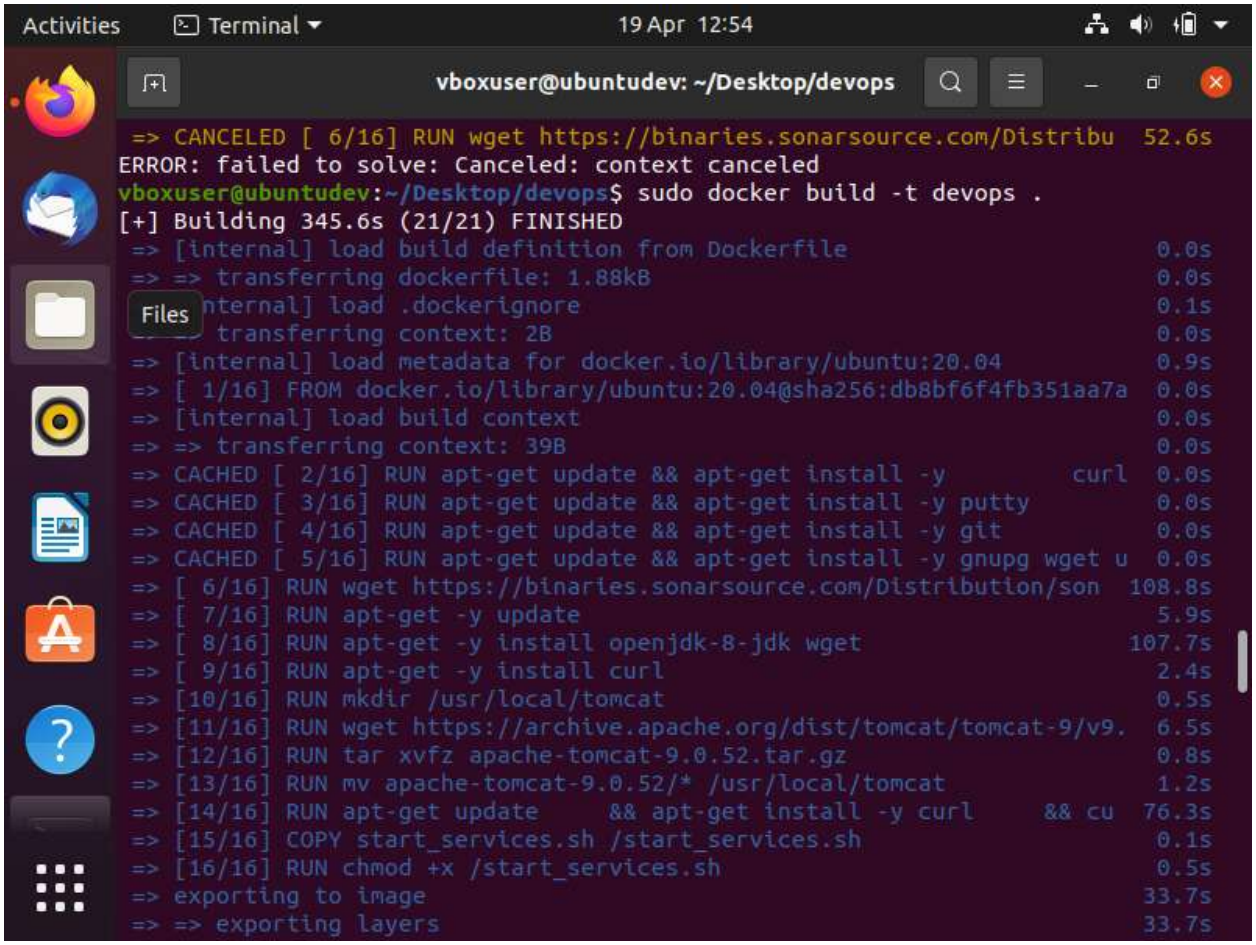
```
bhoomika@bhoomika-VirtualBox:~$ sudo docker images
REPOSITORY              TAG       IMAGE ID       CREATED         SIZE
jenkins/jenkins         latest    682e28744673   5 days ago      469MB
tomcat                  latest    ad4994520144   8 days ago      475MB
alpine                  latest    042a816809aa   13 days ago     7.05MB
sonarqube               latest    db451e99d133   4 weeks ago     563MB
ubuntu                  latest    6b7dfa7e8fdb   6 weeks ago     77.8MB
hello-world             latest    feb5d9fea6a5   16 months ago   13.3kB
mattgruter/artifactory  latest    e54b24b9d7b9   4 years ago     497MB
bhoomika@bhoomika-VirtualBox:~$
```

Dockerfile for the applications

```
#This is a container made by user-defined docker image that contains
#VS code, PuTTy, Git, sonarqube, and tomcat.

# Start with a base image
FROM ubuntu:20.04

# Install dependancies
RUN apt-get update && apt-get install -y \
        curl \
        wget \
        unzip

# Install PuTTY
RUN apt-get update && apt-get install -y putty

# Install Git
RUN apt-get update && apt-get install -y git

RUN apt-get update && apt-get install -y gnupg wget unzip openjdk-11-jdk
RUN wget https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-8.9.2.46101.zip && \
    unzip sonarqube-8.9.2.46101.zip && \
    mv sonarqube-8.9.2.46101 /opt/sonarqube
EXPOSE 9090


# Install Tomcat
RUN apt-get -y update
RUN apt-get -y install openjdk-8-jdk wget
RUN apt-get -y install curl
RUN mkdir /usr/local/tomcat
RUN wget https://archive.apache.org/dist/tomcat/tomcat-9/v9.0.52/bin/apache-tomcat-9.0.52.tar.gz
RUN tar xvfz apache-tomcat-9.0.52.tar.gz
RUN mv apache-tomcat-9.0.52/* /usr/local/tomcat
EXPOSE 8080

#VSCODE
RUN apt-get update \
    && apt-get install -y curl \
    && curl -fsSL https://code-server.dev/install.sh | sh

EXPOSE 10000

# Set the command to run when the container starts
# CMD ["/usr/local/tomcat/bin/catalina.sh", "run"]
# CMD /opt/sonarqube/bin/linux-x86-64/sonar.sh start && code-server --bind-addr 0.0.0.0:10000 . &&
/usr/local/tomcat/bin/catalina.sh run
# CMD ["/bin/bash", "-c", "code-server --bind-addr 0.0.0.0:10000 . & /usr/local/tomcat/bin/catalina.sh run"]
# CMD ["/bin/bash", "-c", "/opt/sonarqube/bin/linux-x86-64/sonar.sh start && code-server --bind-addr
0.0.0.0:10000 . && /usr/local/tomcat/bin/catalina.sh run"]
# Copy shell script
COPY start_services.sh /start_services.sh

# Make shell script executable
```

```
RUN chmod +x /start_services.sh
# Run shell script as CMD
CMD ["/bin/bash", "-c", "/start_services.sh"]


#!/bin/bash

/opt/sonarqube/bin/linux-x86-64/sonar.sh start &
code-server --bind-addr 0.0.0.0:10000 . &
/usr/local/tomcat/bin/catalina.sh run
```

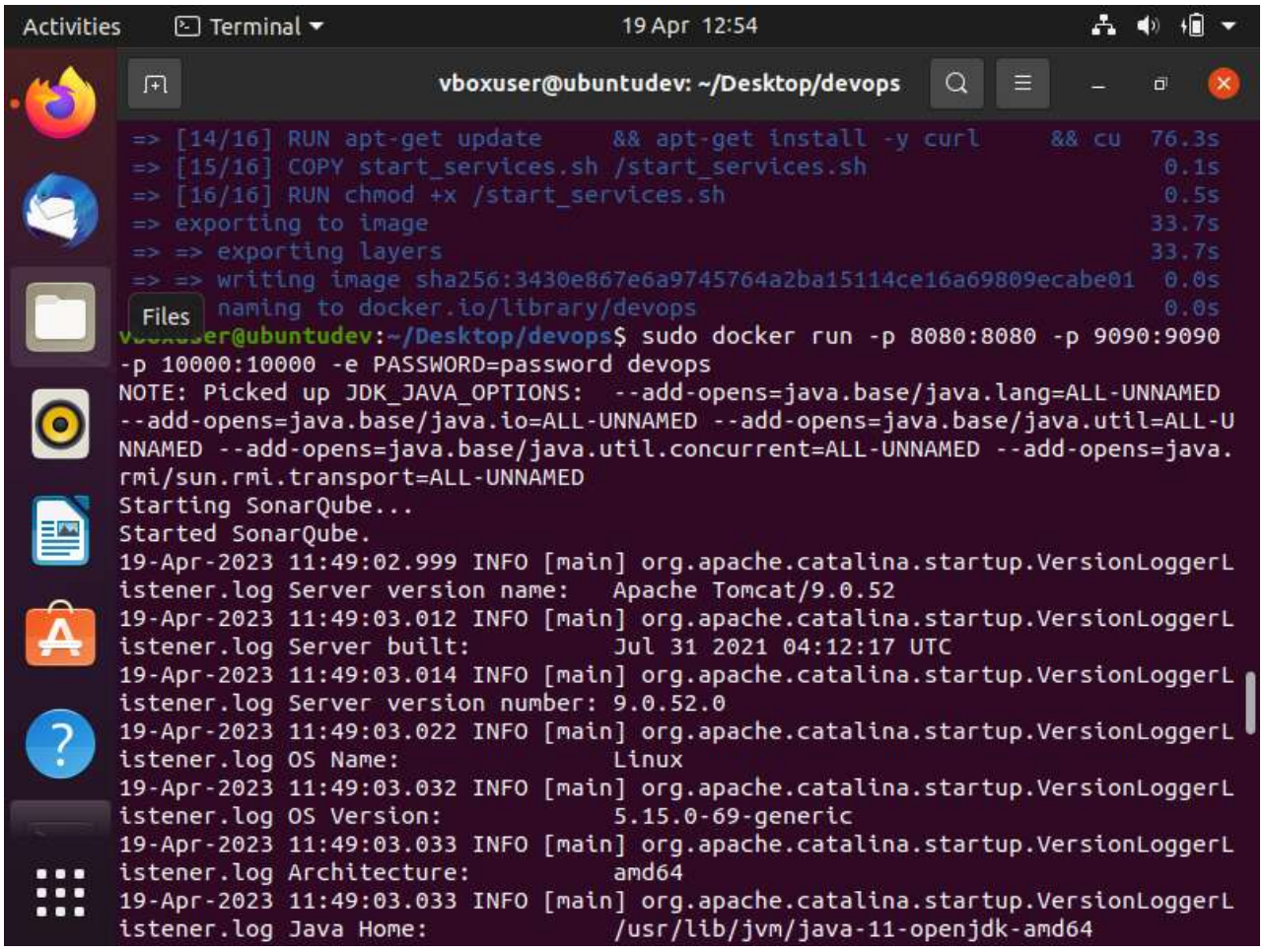
Building Dockerfile



Dockerfile is build successfully

A Dockerfile is a text file that contains a set of instructions for building a Docker image. The Dockerfile provides a way to automate the process of creating a Docker image by defining the application and its dependencies, which can then be used to run containers in a consistent and reproducible way across different environments.

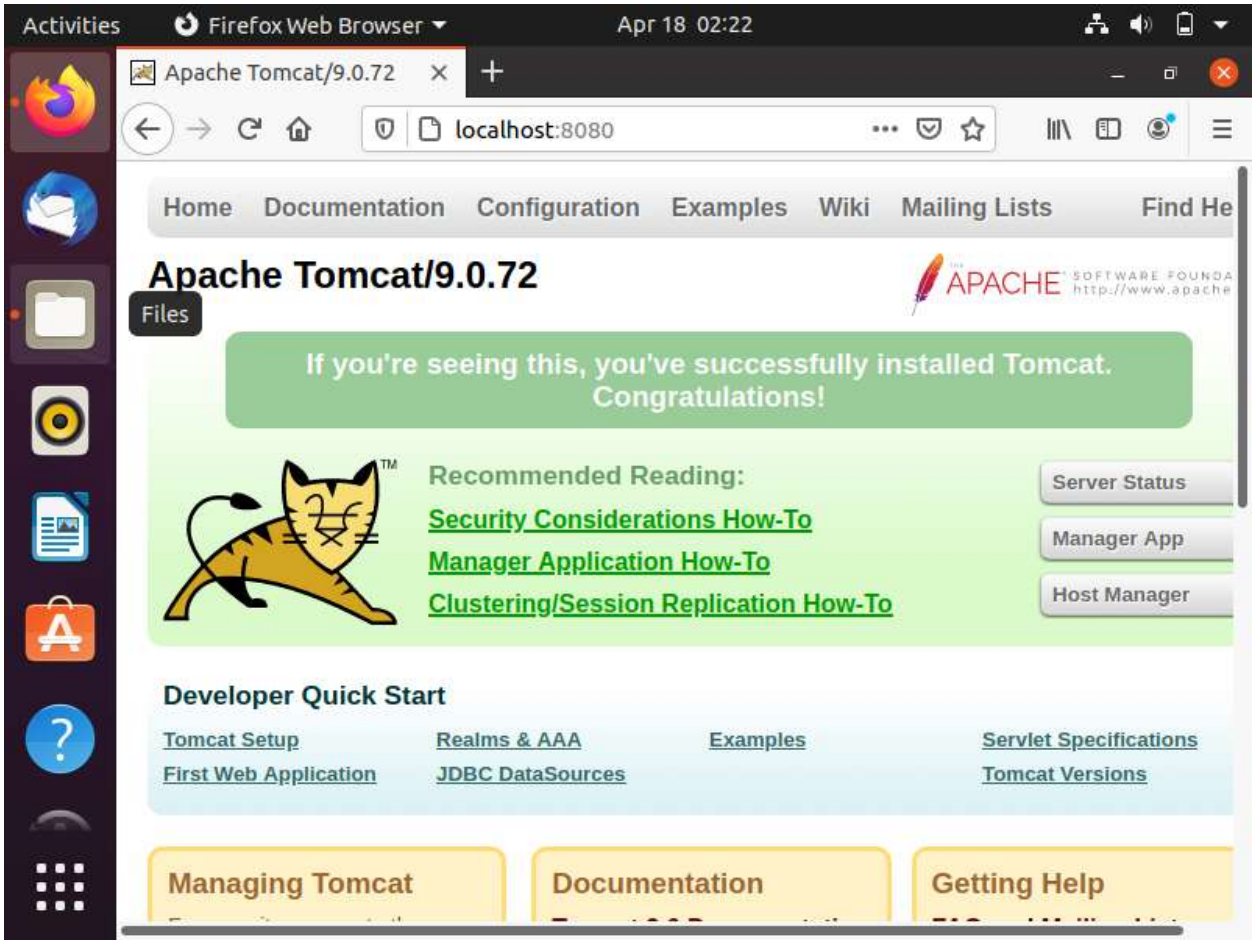
Run the container



SonarQube has been started in the above screenshot.

SonarQube is an open-source platform for continuous code quality inspection, code analysis, and reporting. It helps developers and teams to detect and fix code quality issues early in the development process and maintain high code quality standards. SonarQube can be used to analyze code in various programming languages such as Java, C#, JavaScript, Python, and many more. SonarQube offers a wide range of features, including: Code analysis, Integration with SCM tools, Integration with popular build tools.

SonarQube can be deployed in various ways, including running it locally, using Docker, or deploying it to a cloud-based service like Amazon Web Services or Microsoft Azure. SonarQube has both a free and paid version, with the paid version offering additional features and support options.



Apache Tomcat Server has been started.

Apache Tomcat is an open-source web server and servlet container that is used to serve Java-based web applications. It is developed by the Apache Software Foundation and is designed to be lightweight, portable, and easy to configure. Tomcat is widely used in enterprise environments for hosting web applications written in Java.

Tomcat supports the Java Servlet and JavaServer Pages (JSP) specifications, which are used to build dynamic web applications. It provides a runtime environment for Java web applications and is responsible for handling incoming HTTP requests, managing sessions, and serving static and dynamic content.

Some of the key features of Apache Tomcat include:

Cross-platform support: Tomcat is written in Java and is designed to run on a variety of platforms, including Windows, Linux, and macOS.

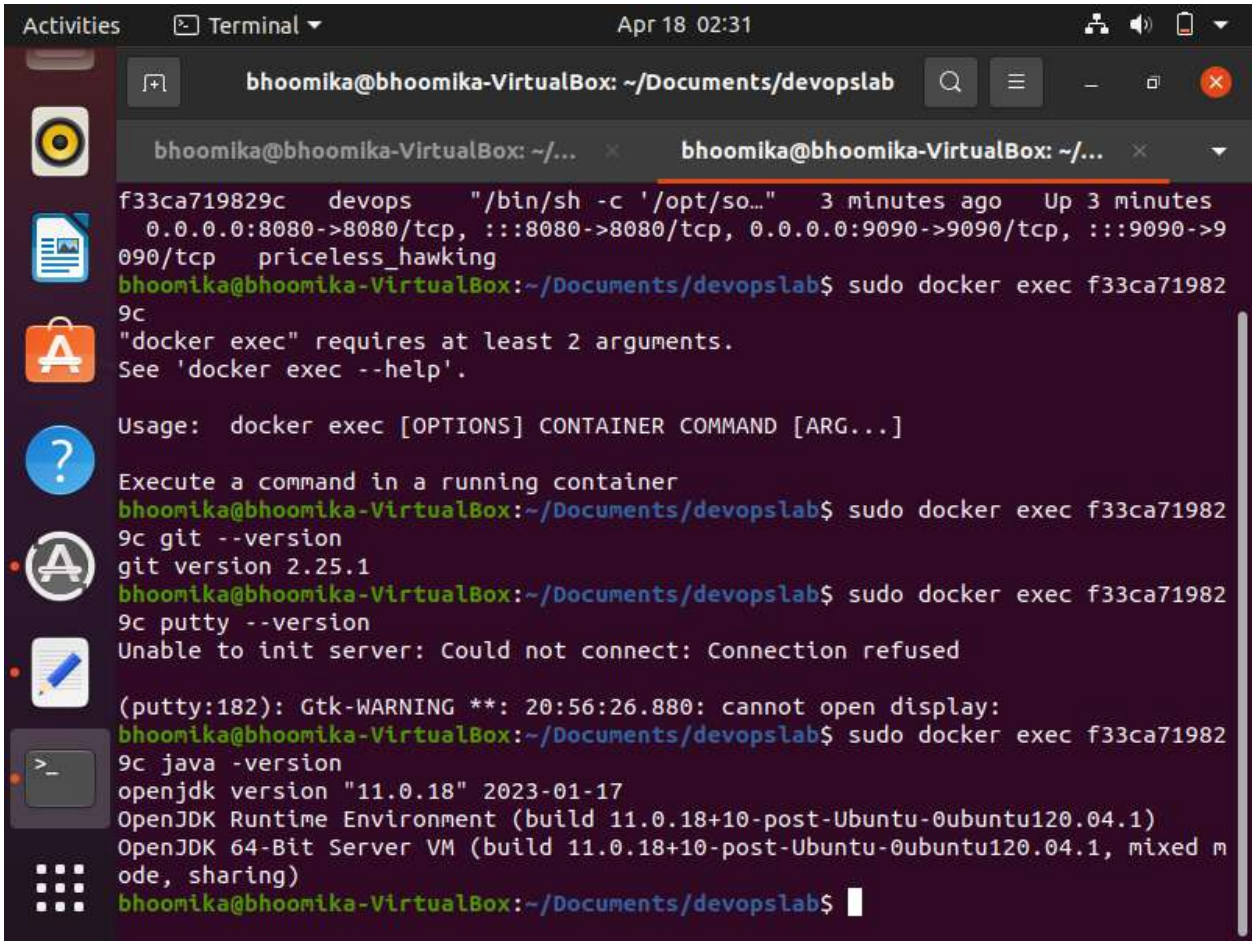
Lightweight: Tomcat is a lightweight web server and servlet container, which makes it easy to install and configure.

Configurable: Tomcat is highly configurable and can be customized to meet the specific requirements of a web application.

Security: Tomcat provides built-in security features such as SSL/TLS encryption, authentication, and authorization.

Integration with other Apache projects: Tomcat integrates well with other Apache projects, such as Apache HTTP Server and Apache Maven.

Tomcat can be downloaded from the Apache Tomcat website and can be installed on a server or a local machine. Once installed, Tomcat can be configured using its configuration files and can be managed using the Tomcat Manager web application.



Git, Putty & Java has been installed.

Git, Putty, Java, and VS Code are all tools commonly used by developers, but they serve different purposes and can be used together in different ways depending on the requirements of a project.

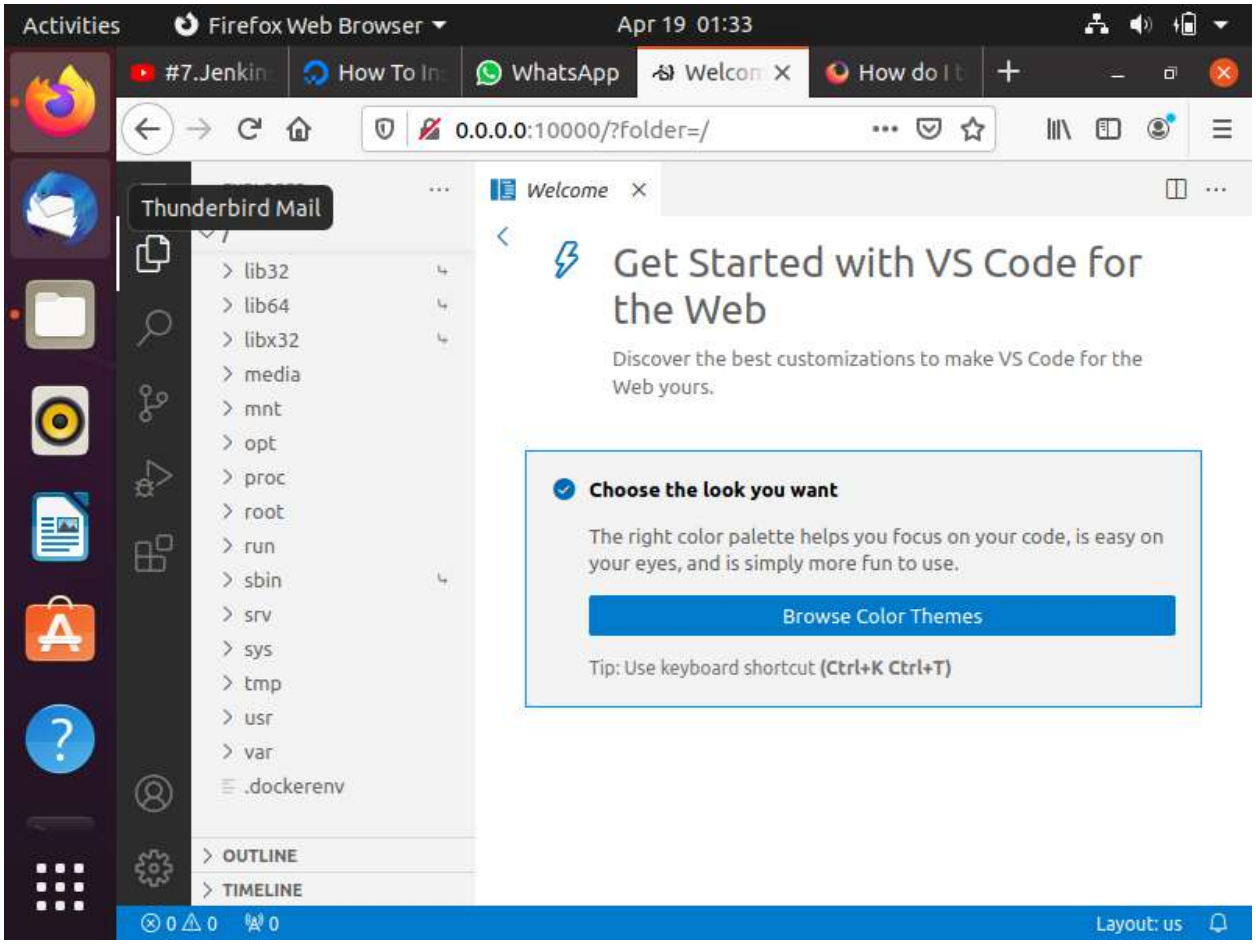
Git is a distributed version control system used for tracking changes in source code during software development. It allows developers to work on the same codebase simultaneously and manage code changes more effectively.

Putty is a terminal emulator and SSH client used to remotely access servers or systems over a network. It is commonly used by developers to access remote servers for deployment, maintenance, and troubleshooting.

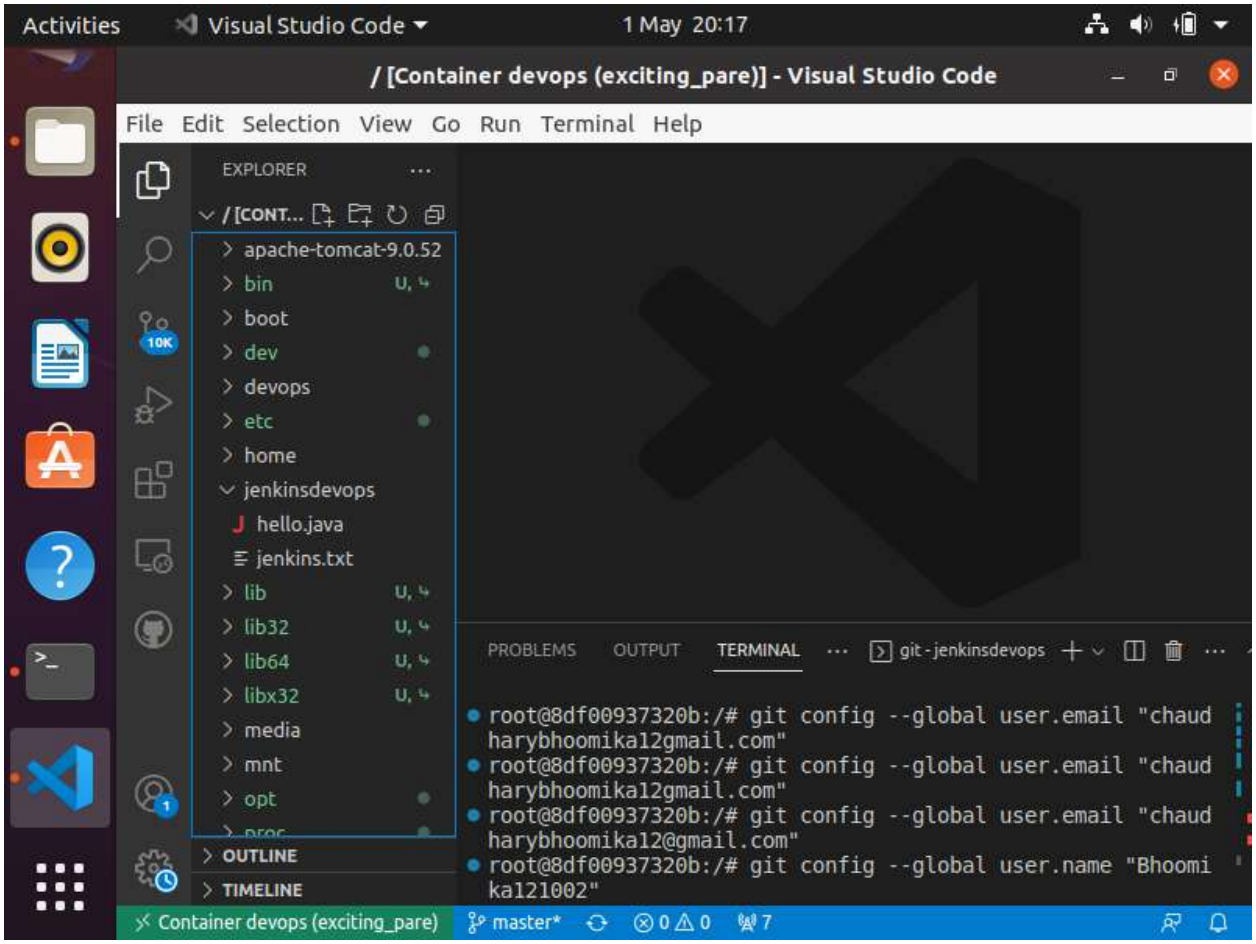
Java is a popular programming language used for developing a wide range of applications, including web applications, mobile applications, and desktop applications. It provides a platform-independent runtime environment, which means that Java applications can run on different operating systems without the need for recompiling the code.

VS Code is an integrated development environment (IDE) developed by Microsoft. It provides a comprehensive set of tools for coding, debugging, and building applications.

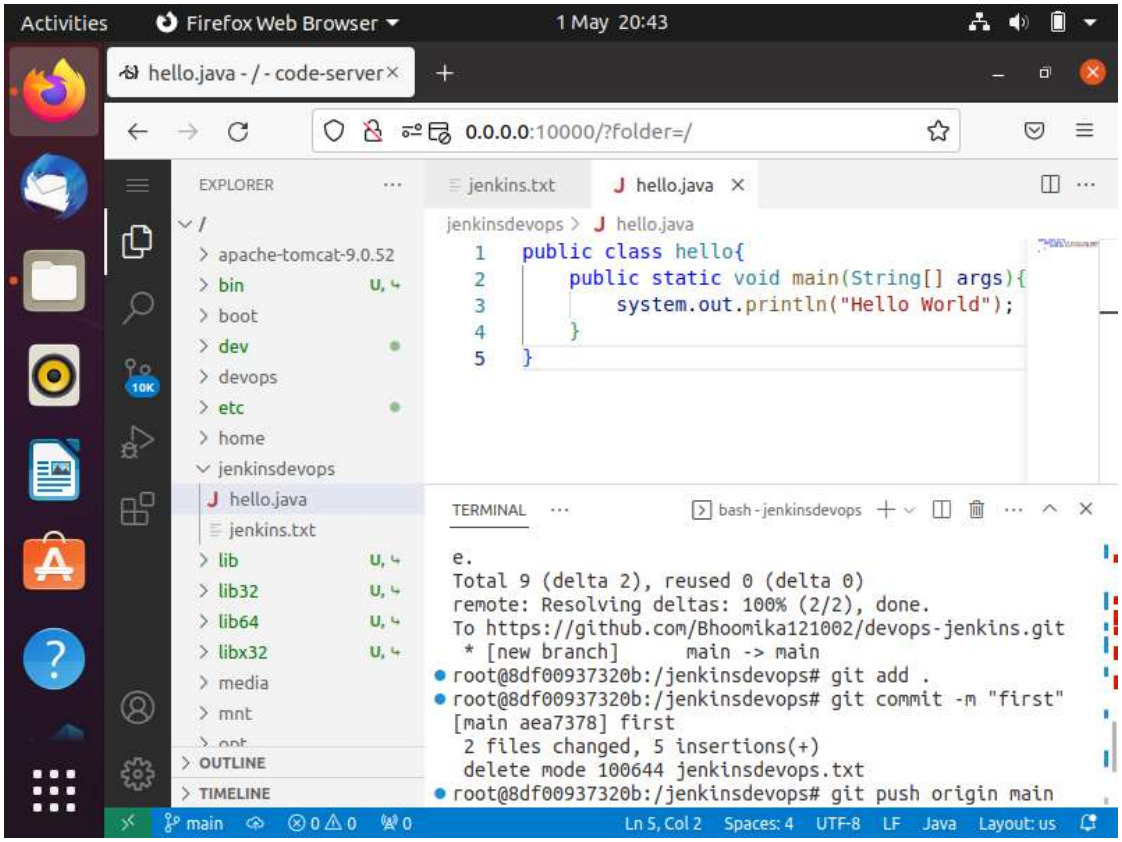
Depending on the requirements of a project, developers can use Git and Putty to manage source code changes and remotely access servers, while using Java and VS Code to develop, debug, and build applications. For example, a developer might use Git to manage the source code of a Java application, Putty to remotely access a server running the application, and VS Code to write and debug the application code.

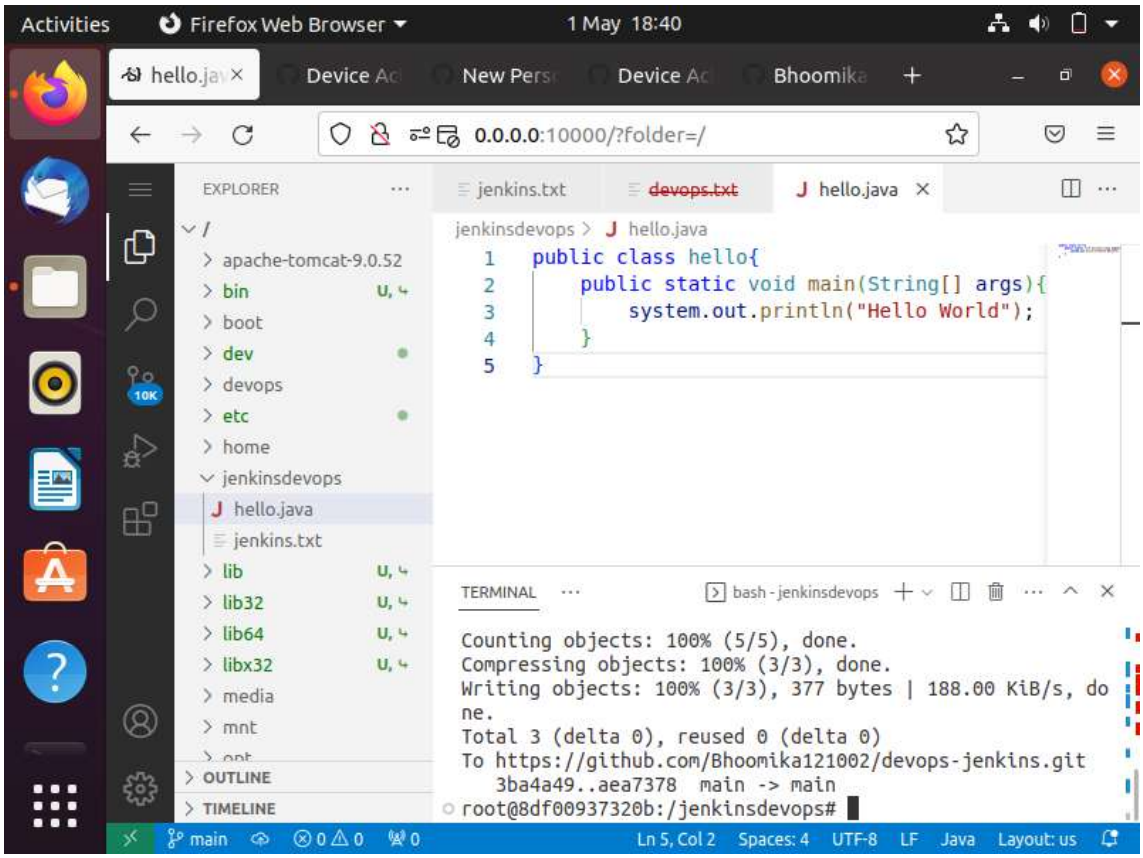


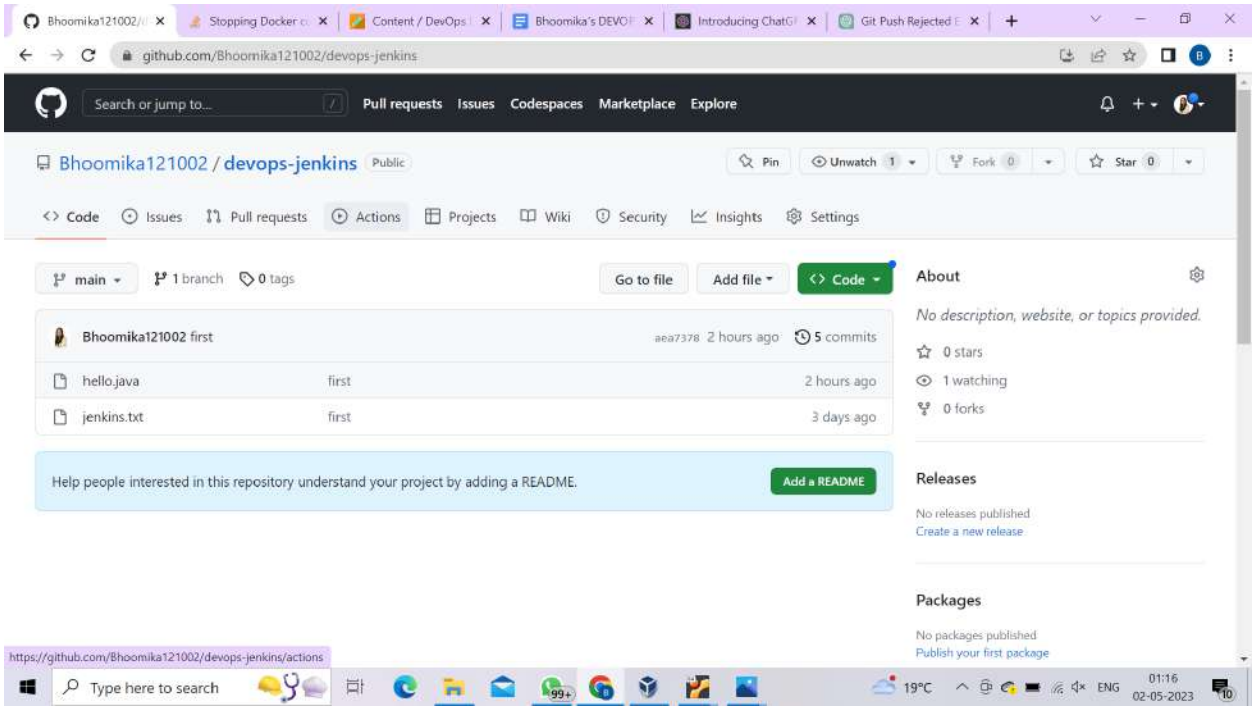
Vs code has been started



The VS CODE Application has been installed and linked to VS code server and VS Studio has been linked to my github account.


Activities
Firefox Web Browser
1 May 20:43
hello.java - / - code-server
0.0.0.0:10000/?folder=/
EXPLORER
jenkins.txt
hello.java
jenkinsdevops > hello.java
1 public class hello{
2 public static void main(String[] args){
3 system.out.println("Hello World");
4 }
5 }
apache-tomcat-9.0.52
bin
boot
dev
devops
etc
home
jenkinsdevops
hello.java
jenkins.txt
lib
lib32
lib64
libx32
media
mnt
OUTLINE
TIMELINE
TERMINAL
bash - jenkinsdevops
e.
Total 9 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/Bhoomika121002/devops-jenkins.git
* [new branch] main -> main
root@8df00937320b:/jenkinsdevops# git add .
root@8df00937320b:/jenkinsdevops# git commit -m "first"
[main aea7378] first
2 files changed, 5 insertions(+)
delete mode 100644 jenkinsdevops.txt
root@8df00937320b:/jenkinsdevops# git push origin main
main
Ln 5, Col 2
Spaces: 4
UTF-8
LF
Java
Layout: us


Activities
Firefox Web Browser
1 May 18:40
0.0.0.0:10000/?folder=/
EXPLORER
jenkins.txt
devops.txt
hello.java
jenkinsdevops > hello.java
1 public class hello{
2 public static void main(String[] args){
3 system.out.println("Hello World");
4 }
5 }
apache-tomcat-9.0.52
bin
boot
dev
devops
etc
home
jenkinsdevops
hello.java
jenkins.txt
lib
lib32
lib64
libx32
media
mnt
OUTLINE
TIMELINE
TERMINAL
bash - jenkinsdevops
Counting objects: 100% (5/5), done.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 377 bytes | 188.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Bhoomika121002/devops-jenkins.git
3ba4a49..aea7378 main -> main
root@8df00937320b:/jenkinsdevops#
main
Ln 5, Col 2
Spaces: 4
UTF-8
LF
Java
Layout: us



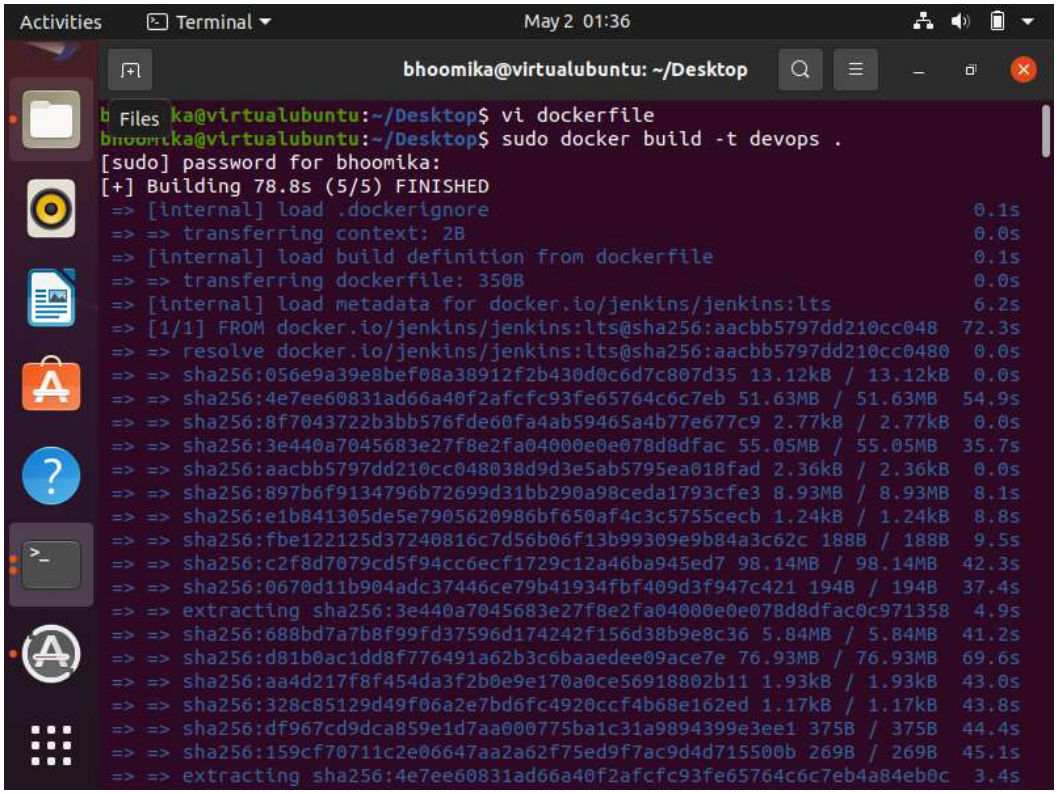
CI/CD PIPELINE

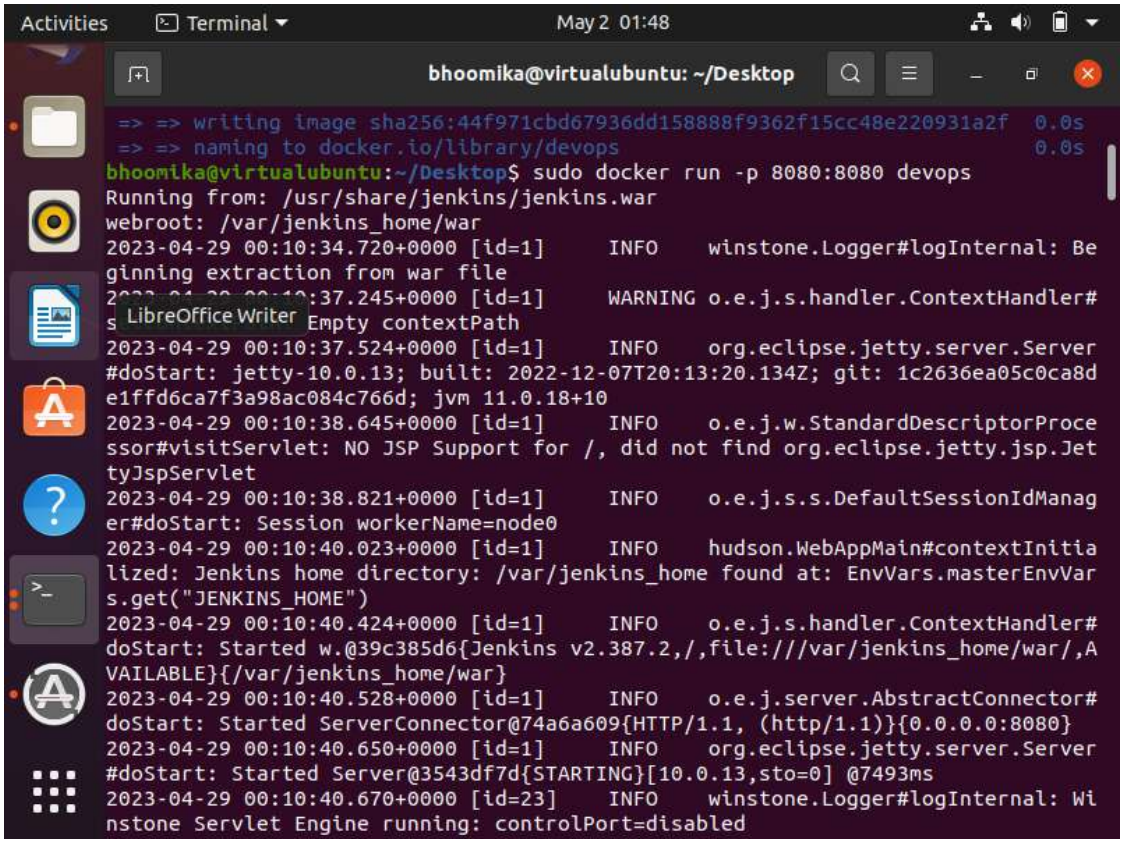
Install Jenkins Server on another VM

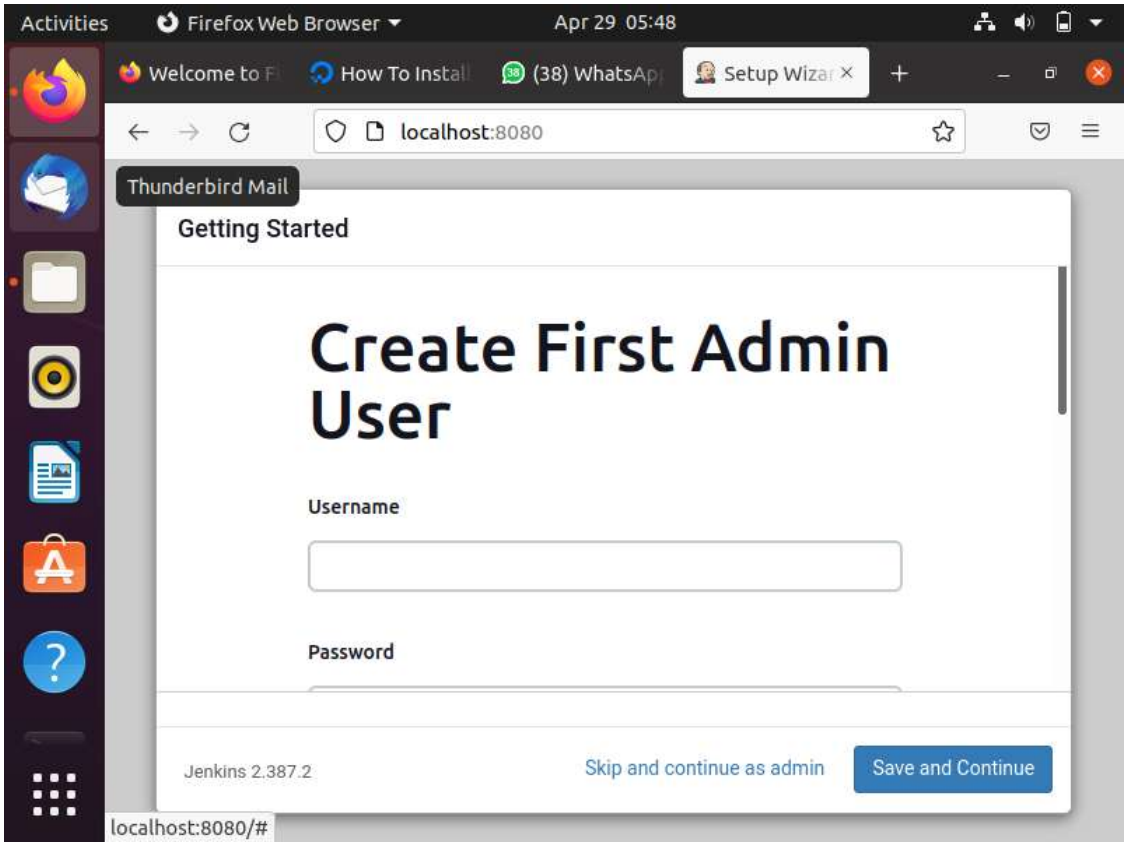
CI/CD pipeline is a series of automated steps that are used to build, test, and deploy software applications. The purpose of a CI/CD pipeline is to automate the process of building and deploying software applications, which helps to reduce the time and effort required for software development and improve the quality of the application.

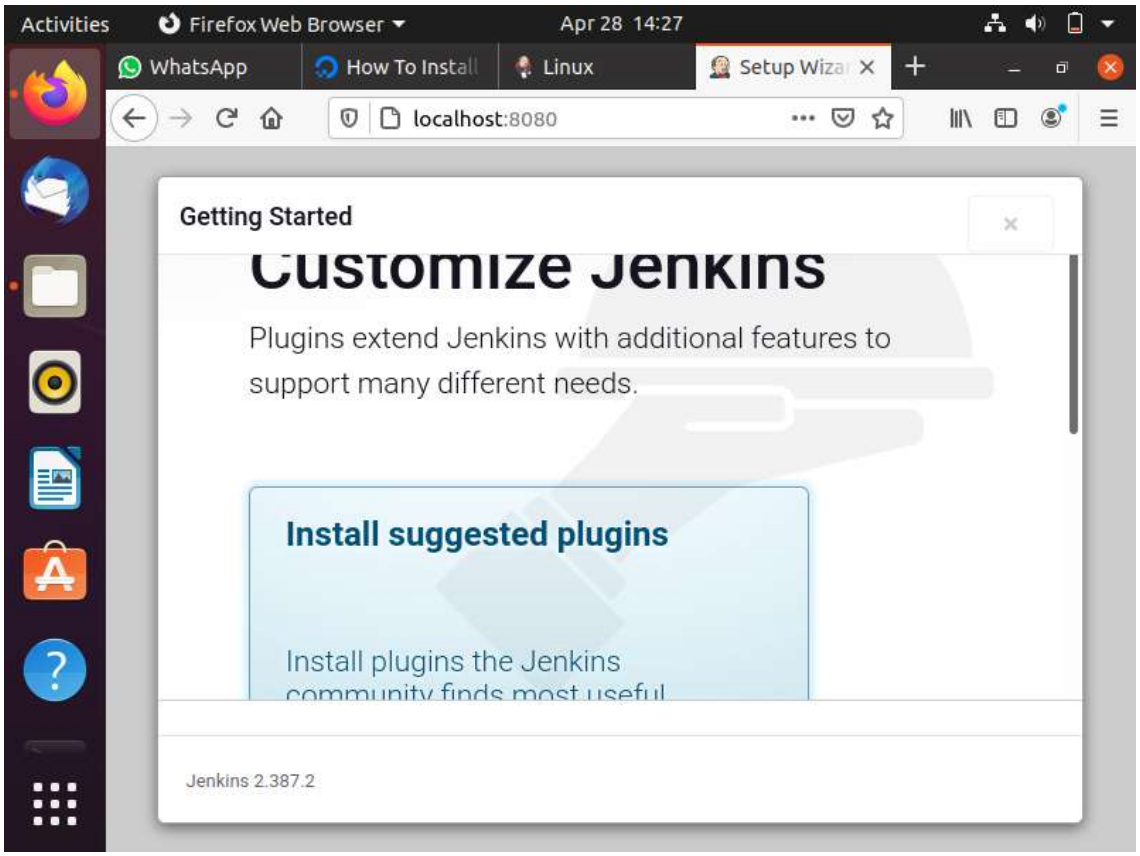
The CI/CD pipeline typically consists of the following stages:

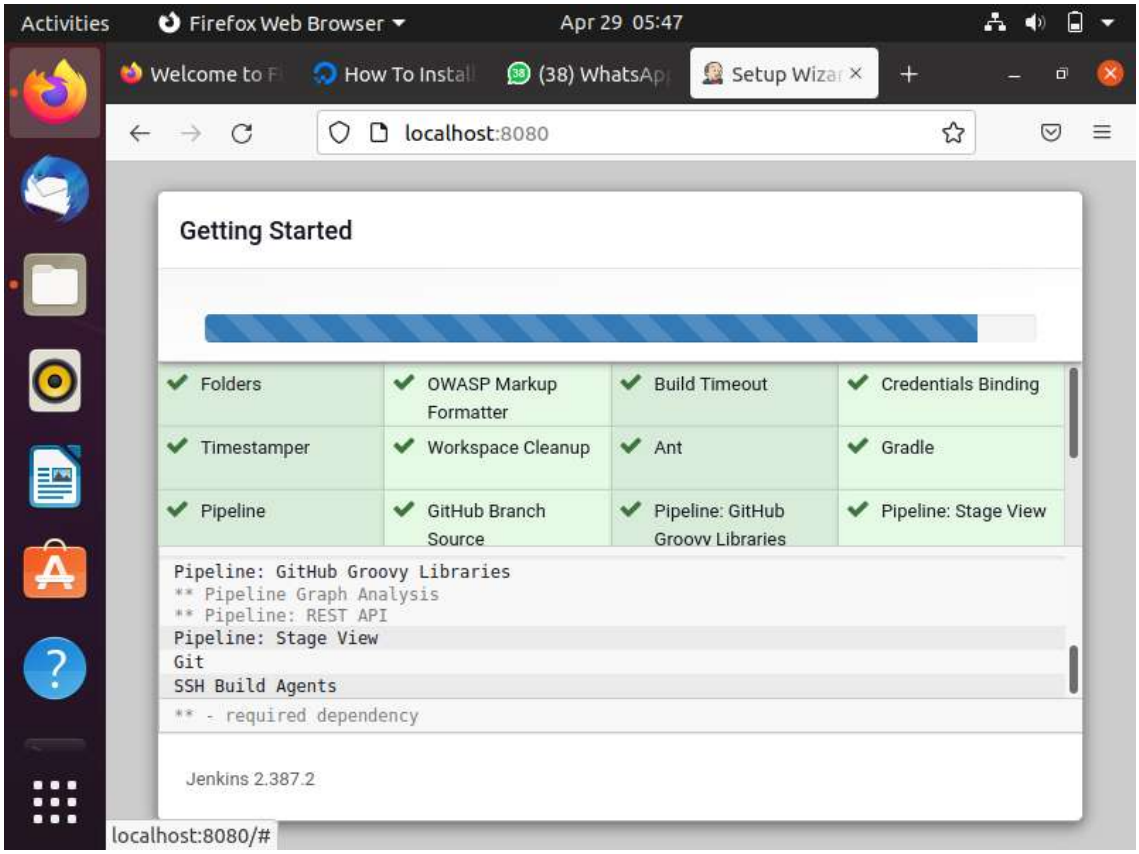
- Continuous Integration (CI): In this stage, the code changes are regularly integrated into a shared repository, and automated build and testing processes are run to identify and resolve any issues as early as possible in the development process.
- Continuous Testing: Once the code is built, automated testing processes are run to validate the functionality and ensure that the code meets the expected quality standards.
- Continuous Deployment: Once the code is tested, it is deployed to a staging environment for further testing and validation. Once it has been verified to be working correctly, it is deployed to the production environment.
- Continuous Monitoring: In this stage, the application is monitored in production to identify and resolve any issues that may arise. This may include logging, performance monitoring, and error reporting.

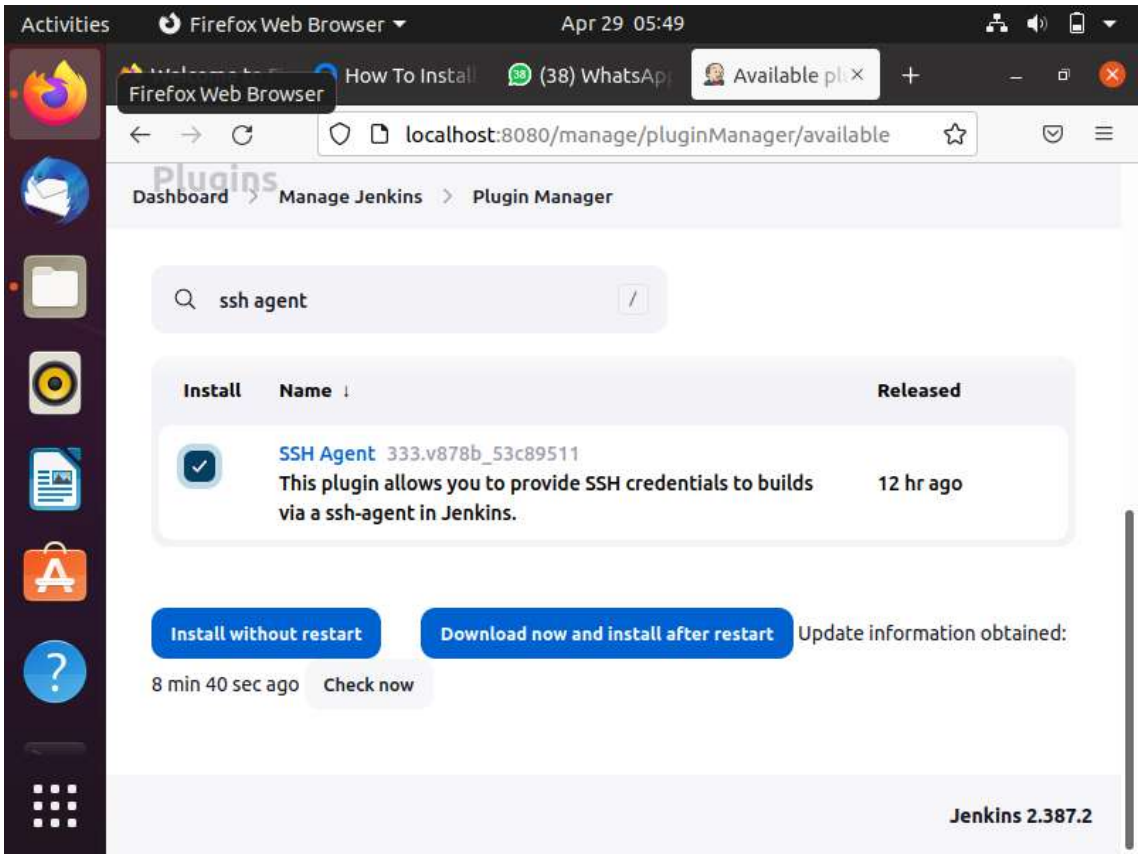

Activities
Terminal
May 2 01:36
bhoomika@virtualubuntu: ~/Desktop
Files
ka@virtualubuntu:~/Desktop$ vi dockerfile
bhoomika@virtualubuntu:~/Desktop$ sudo docker build -t devops .
[sudo] password for bhoomika:
[+] Building 78.8s (5/5) FINISHED
=> [internal] load .dockerignore 0.1s
=> => transferring context: 2B 0.0s
=> [internal] load build definition from dockerfile 0.1s
=> => transferring dockerfile: 350B 0.0s
=> [internal] load metadata for docker.io/jenkins/jenkins:lts 6.2s
=> [1/1] FROM docker.io/jenkins/jenkins:lts@sha256:aacbb5797dd210cc048 72.3s
=> => resolve docker.io/jenkins/jenkins:lts@sha256:aacbb5797dd210cc0480 0.0s
=> => sha256:056e9a39e8bef08a38912f2b430d0c6d7c807d35 13.12kB / 13.12kB 0.0s
=> => sha256:4e7ee60831ad66a40f2afcfc93fe65764c6c7eb 51.63MB / 51.63MB 54.9s
=> => sha256:8f7043722b3bb576fde60fa4ab59465a4b77e677c9 2.77kB / 2.77kB 0.0s
=> => sha256:3e440a7045683e27f8e2fa04000e0e078d8dfac 55.05MB / 55.05MB 35.7s
=> => sha256:aacbb5797dd210cc048038d9d3e5ab5795ea018fad 2.36kB / 2.36kB 0.0s
=> => sha256:897b6f9134796b72699d31bb290a98ceda1793cfe3 8.93MB / 8.93MB 8.1s
=> => sha256:e1b841305de5e7905620986bf650af4c3c5755cecb 1.24kB / 1.24kB 8.8s
=> => sha256:fbe122125d37240816c7d56b06f13b99309e9b84a3c62c 188B / 188B 9.5s
=> => sha256:c2f8d7079cd5f94cc6ecf1729c12a46ba945ed7 98.14MB / 98.14MB 42.3s
=> => sha256:0670d11b904adc37446ce79b41934fbf409d3f947c421 194B / 194B 37.4s
=> => extracting sha256:3e440a7045683e27f8e2fa04000e0e078d8dfac0c971358 4.9s
=> => sha256:688bd7a7b8f99fd37596d174242f156d38b9e8c36 5.84MB / 5.84MB 41.2s
=> => sha256:d81b0ac1dd8f776491a62b3c6baaedee09ace7e 76.93MB / 76.93MB 69.6s
=> => sha256:aa4d217f8f454da3f2b0e9e170a0ce56918802b11 1.93kB / 1.93kB 43.0s
=> => sha256:328c85129d49f06a2e7bd6fc4920ccf4b68e162ed 1.17kB / 1.17kB 43.8s
=> => sha256:df967cd9dca859e1d7aa000775ba1c31a9894399e3ee1 375B / 375B 44.4s
=> => sha256:159cf70711c2e06647aa2a62f75ed9f7ac9d4d715500b 269B / 269B 45.1s
=> => extracting sha256:4e7ee60831ad66a40f2afcfc93fe65764c6c7eb4a84eb0c 3.4s

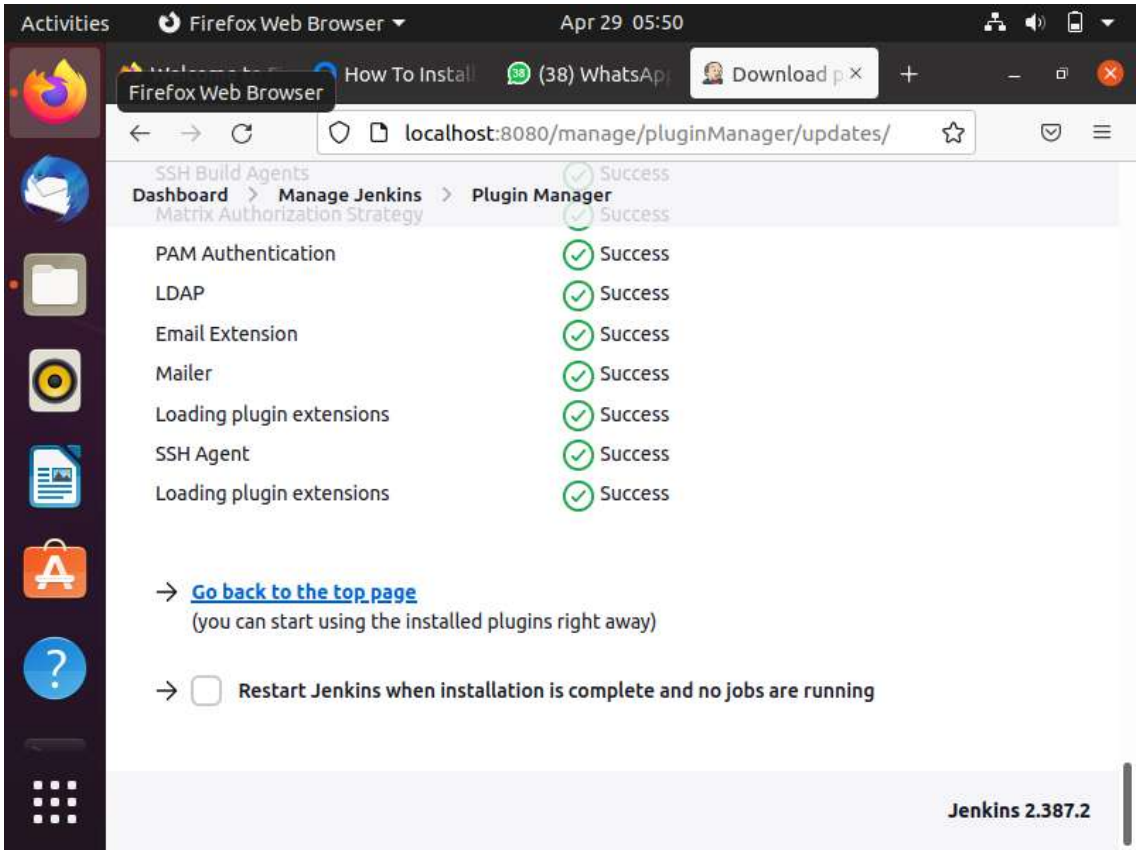

Activities
Terminal
May 2 01:48
bhoomika@virtualubuntu: ~/Desktop
=> => writing image sha256:44f971cbd67936dd158888f9362f15cc48e220931a2f 0.0s
=> => naming to docker.io/library/devops 0.0s
bhoomika@virtualubuntu:~/Desktop$ sudo docker run -p 8080:8080 devops
Running from: /usr/share/jenkins/jenkins.war
webroot: /var/jenkins_home/war
2023-04-29 00:10:34.720+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2023-04-29 00:10:37.245+0000 [id=1] WARNING o.e.j.s.handler.ContextHandler#s Empty contextPath
LibreOffice Writer
2023-04-29 00:10:37.524+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-10.0.13; built: 2022-12-07T20:13:20.134Z; git: 1c2636ea05c0ca8de1ffd6ca7f3a98ac084c766d; jvm 11.0.18+10
2023-04-29 00:10:38.645+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.jsp.JettyJspServlet
2023-04-29 00:10:38.821+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: Session workerName=node0
2023-04-29 00:10:40.023+0000 [id=1] INFO hudson.WebAppMain#contextInitialized: Jenkins home directory: /var/jenkins_home found at: EnvVars.masterEnvVars.get("JENKINS_HOME")
2023-04-29 00:10:40.424+0000 [id=1] INFO o.e.j.s.handler.ContextHandler#doStart: Started w.@39c385d6{Jenkins v2.387.2,/,file:///var/jenkins_home/war/,AVAILABLE}{/var/jenkins_home/war}
2023-04-29 00:10:40.528+0000 [id=1] INFO o.e.j.server.AbstractConnector#doStart: Started ServerConnector@74a6a609{HTTP/1.1, (http/1.1)}{0.0.0.0:8080}
2023-04-29 00:10:40.650+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: Started Server@3543df7d{STARTING}[10.0.13,sto=0] @7493ms
2023-04-29 00:10:40.670+0000 [id=23] INFO winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled

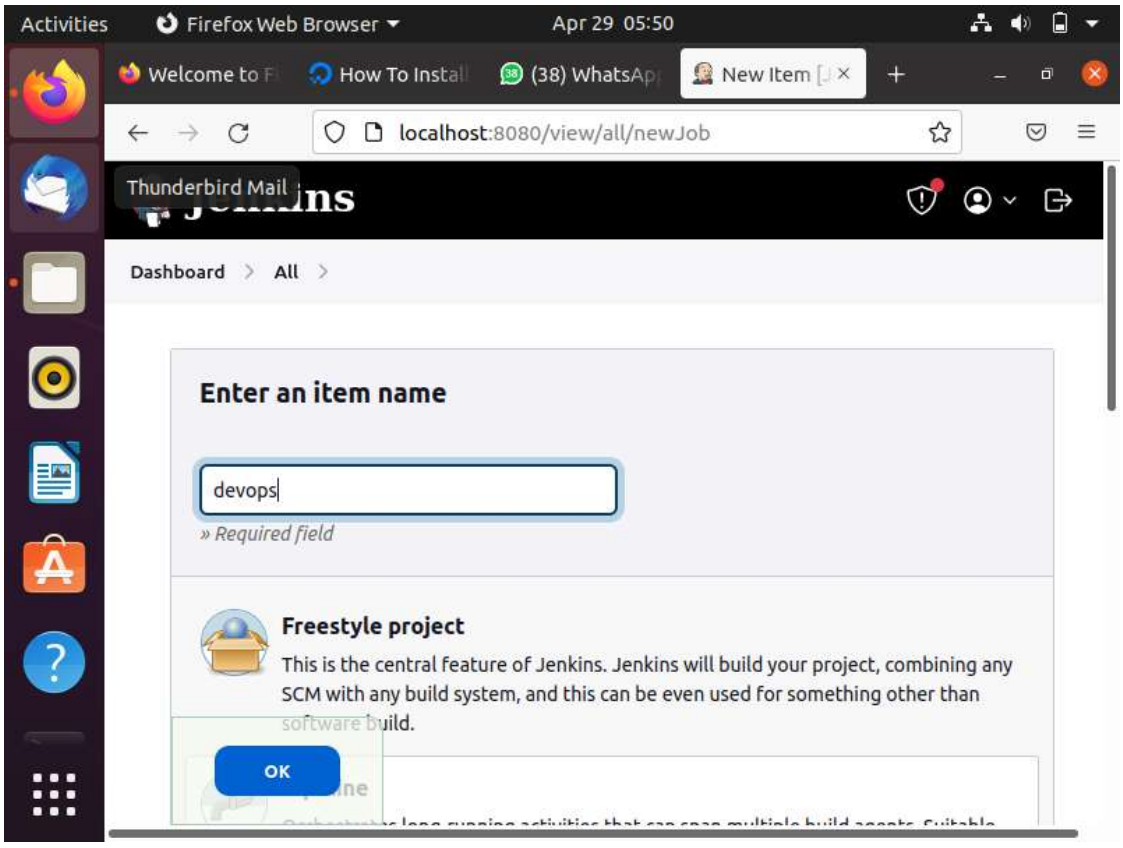

Activities
Firefox Web Browser
Apr 29 05:48
How To Install
(38) WhatsAp
Setup Wiza
localhost:8080
Thunderbird Mail
Getting Started
Create First Admin User
Username
Password
Jenkins 2.387.2
Skip and continue as admin
Save and Continue
localhost:8080/#

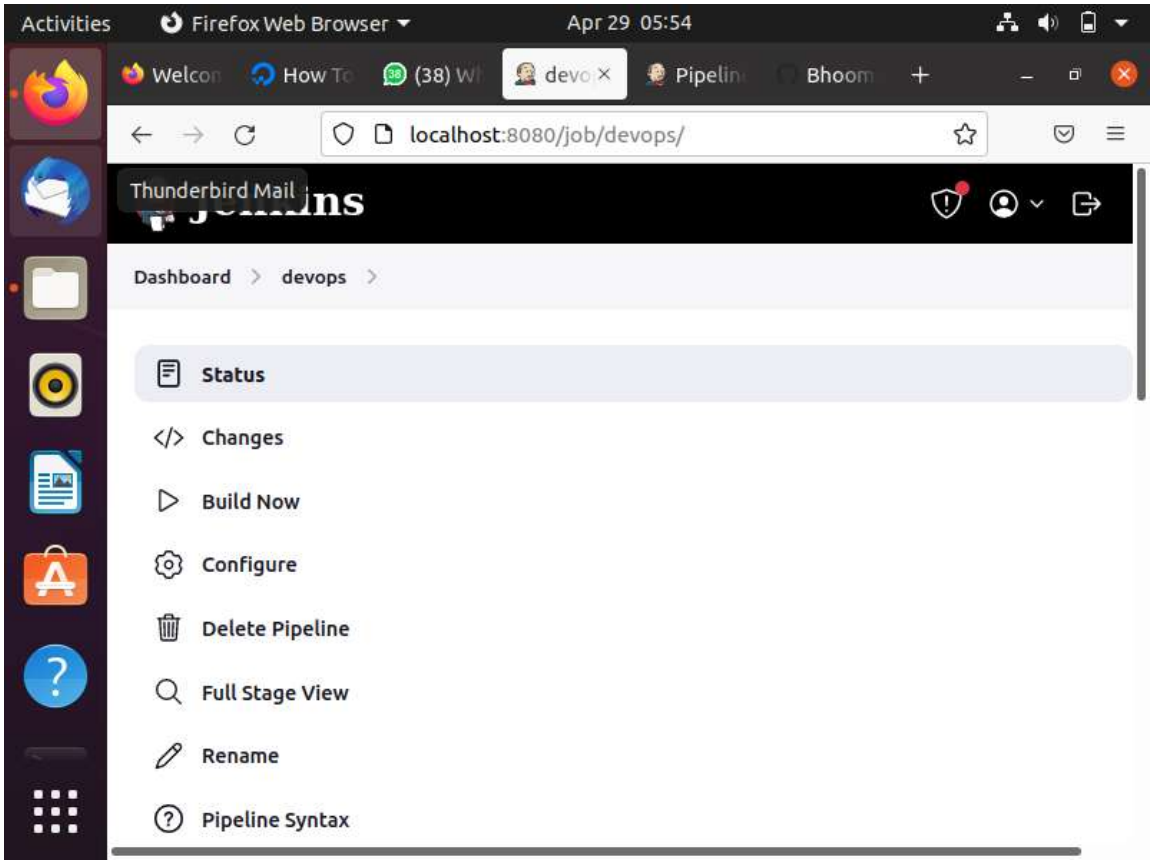

Activities
Firefox Web Browser
Apr 28 14:27
WhatsApp
How To Install
Linux
Setup Wiza
localhost:8080
Getting Started
Customize Jenkins
Plugins extend Jenkins with additional features to support many different needs.
Install suggested plugins
Install plugins the Jenkins
Jenkins 2.387.2

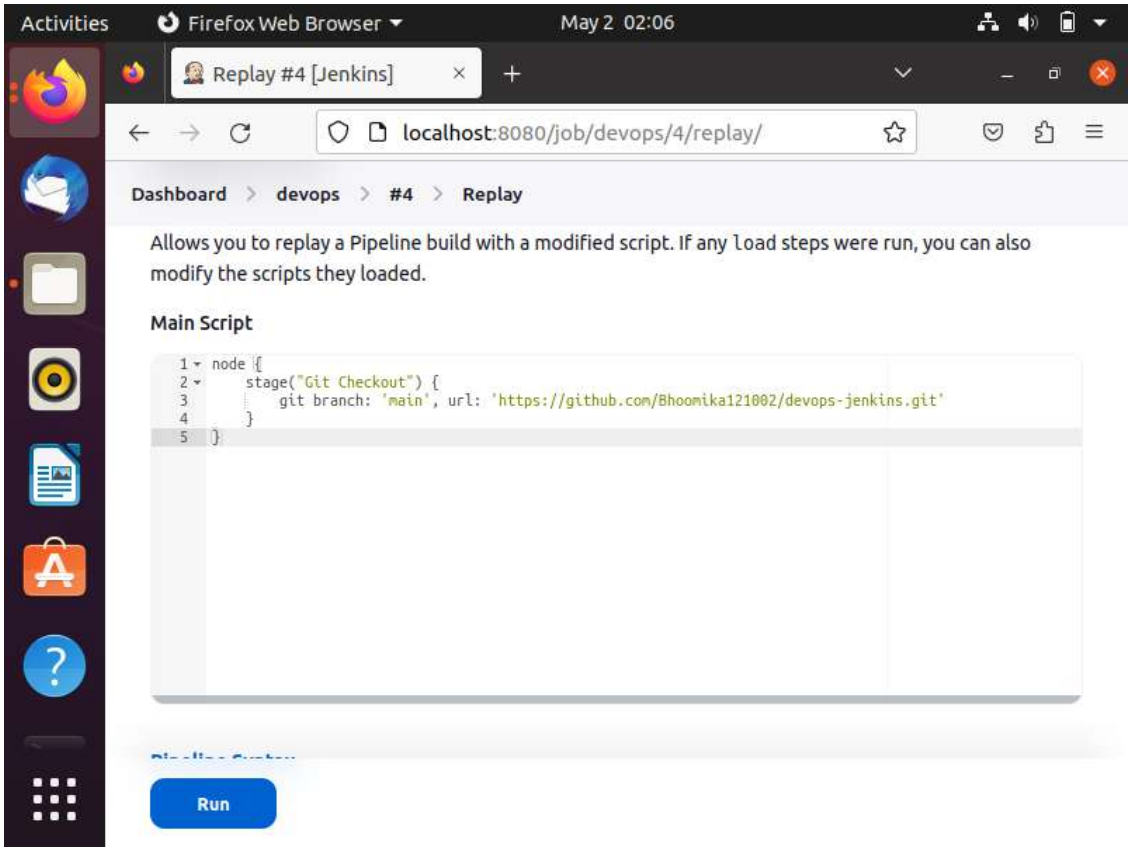

Activities
Firefox Web Browser
Apr 29 05:47
Welcome to F
How To Install
(38) WhatsAp
Setup Wiza
localhost:8080
Getting Started
Folders
OWASP Markup Formatter
Build Timeout
Credentials Binding
Timestamper
Workspace Cleanup
Ant
Gradle
Pipeline
GitHub Branch Source
Pipeline: GitHub Groovy Libraries
Pipeline: Stage View
Pipeline: GitHub Groovy Libraries
** Pipeline Graph Analysis
** Pipeline: REST API
Pipeline: Stage View
Git
SSH Build Agents
** - required dependency
Jenkins 2.387.2
localhost:8080/#

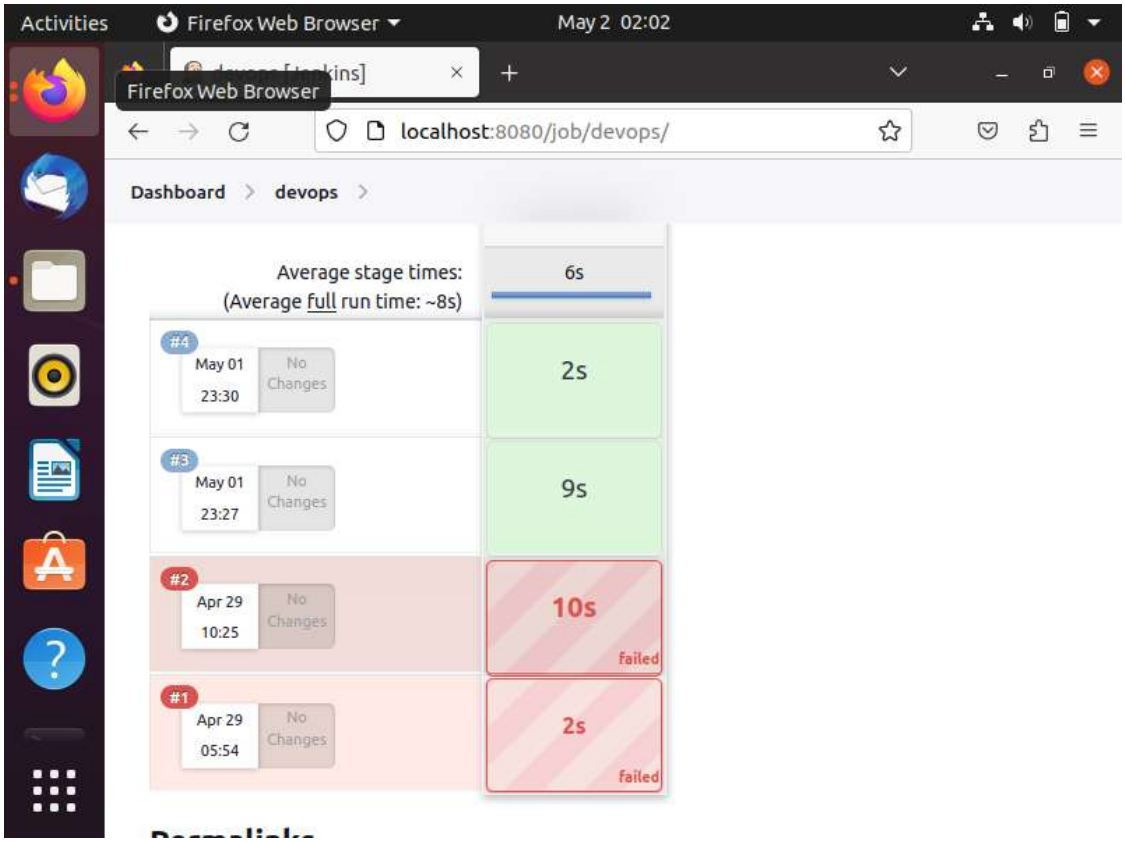

Activities
Firefox Web Browser
Apr 29 05:49
Firefox Web Browser
How To Install
(38) WhatsAp
Available pl
localhost:8080/manage/pluginManager/available
Plugins
Dashboard
Manage Jenkins
Plugin Manager
ssh agent
Install
Name
Released
SSH Agent 333.v878b_53c89511
This plugin allows you to provide SSH credentials to builds via a ssh-agent in Jenkins.
12 hr ago
Install without restart
Download now and install after restart
Update information obtained:
8 min 40 sec ago
Check now
Jenkins 2.387.2

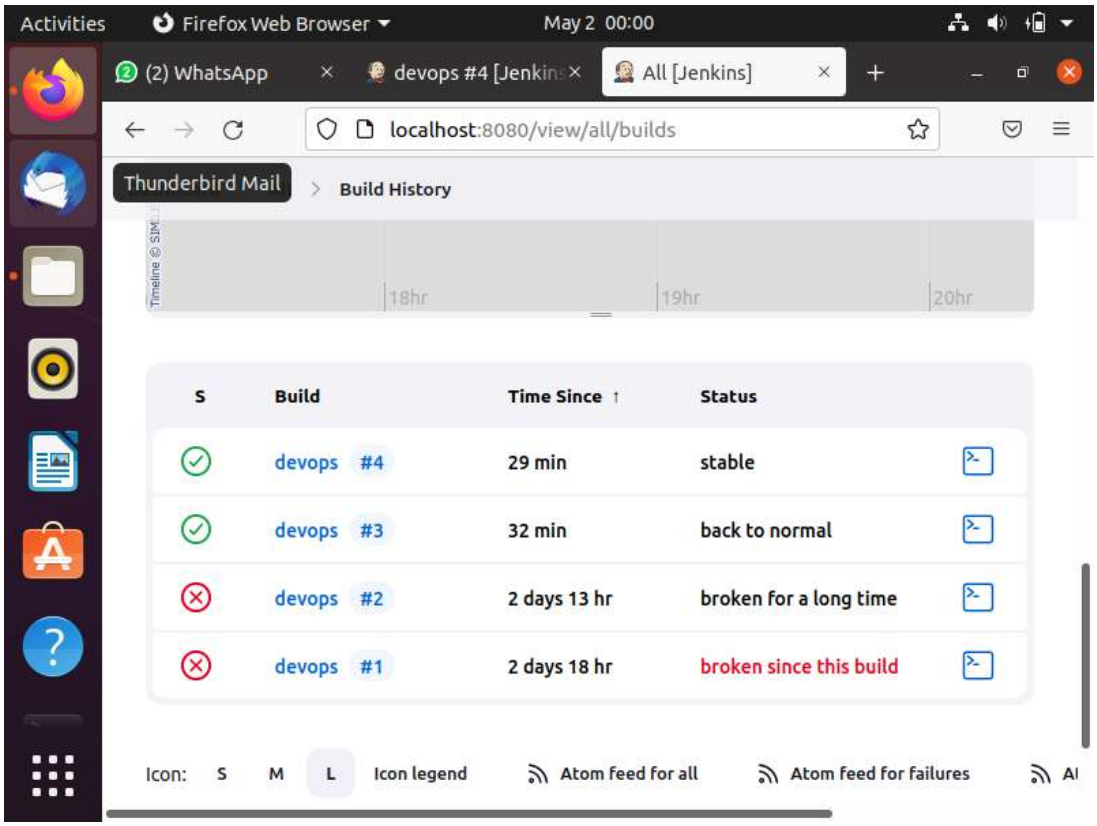

Activities
Firefox Web Browser
Apr 29 05:50
Firefox Web Browser
How To Install
(38) WhatsAp
Download p
localhost:8080/manage/pluginManager/updates/
Dashboard
Manage Jenkins
Plugin Manager
PAM Authentication
Success
LDAP
Success
Email Extension
Success
Mailer
Success
Loading plugin extensions
Success
SSH Agent
Success
Loading plugin extensions
Success
Go back to the top page
(you can start using the installed plugins right away)
Restart Jenkins when installation is complete and no jobs are running
Jenkins 2.387.2

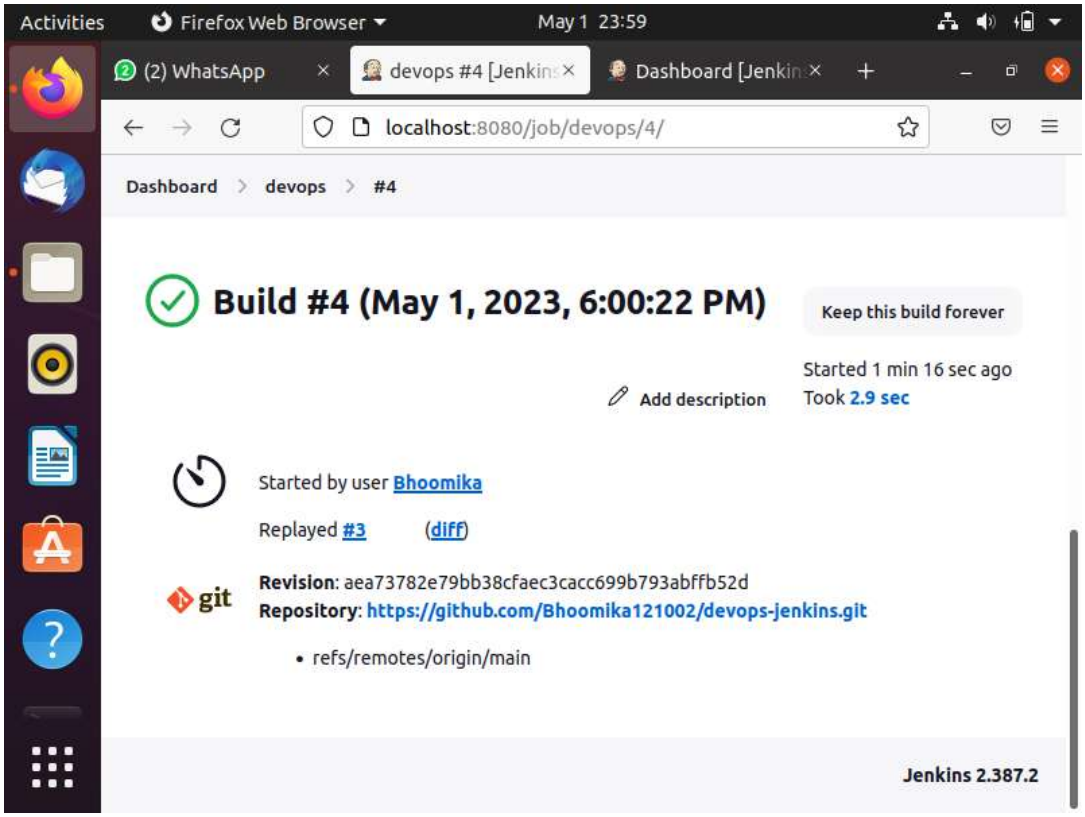

Activities
Firefox Web Browser
Apr 29 05:50
Welcome to F
How To Install
(38) WhatsAp
New Item
localhost:8080/view/all/newJob
Thunderbird Mail
Dashboard
All
Enter an item name
devops
» Required field
Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
OK


Activities
Firefox Web Browser
Apr 29 05:54
localhost:8080/job/devops/
Thunderbird Mail
Dashboard
devops
Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Rename
Pipeline Syntax


Activities
Firefox Web Browser
May 2 02:06
Replay #4 [Jenkins]
localhost:8080/job/devops/4/replay/
Dashboard
devops
#4
Replay
Allows you to replay a Pipeline build with a modified script. If any load steps were run, you can also modify the scripts they loaded.
Main Script
node {
stage("Git Checkout") {
git branch: 'main', url: 'https://github.com/Bhoomika121002/devops-jenkins.git'
}
}
Run


Activities
Firefox Web Browser
May 2 02:02
Firefox Web Browser
localhost:8080/job/devops/
Dashboard
devops
Average stage times:
(Average full run time: ~8s)
6s
#4
May 01
23:30
No Changes
2s
#3
May 01
23:27
No Changes
9s
#2
Apr 29
10:25
No Changes
10s
failed
#1
Apr 29
05:54
No Changes
2s
failed


Activities
Firefox Web Browser
May 2 00:00
(2) WhatsApp
devops #4 [Jenkins]
All [Jenkins]
localhost:8080/view/all/builds
Thunderbird Mail
Build History
18hr
19hr
20hr
S
Build
Time Since
Status
devops #4
29 min
stable
devops #3
32 min
back to normal
devops #2
2 days 13 hr
broken for a long time
devops #1
2 days 18 hr
broken since this build
Icon: S M L
Icon legend
Atom feed for all
Atom feed for failures

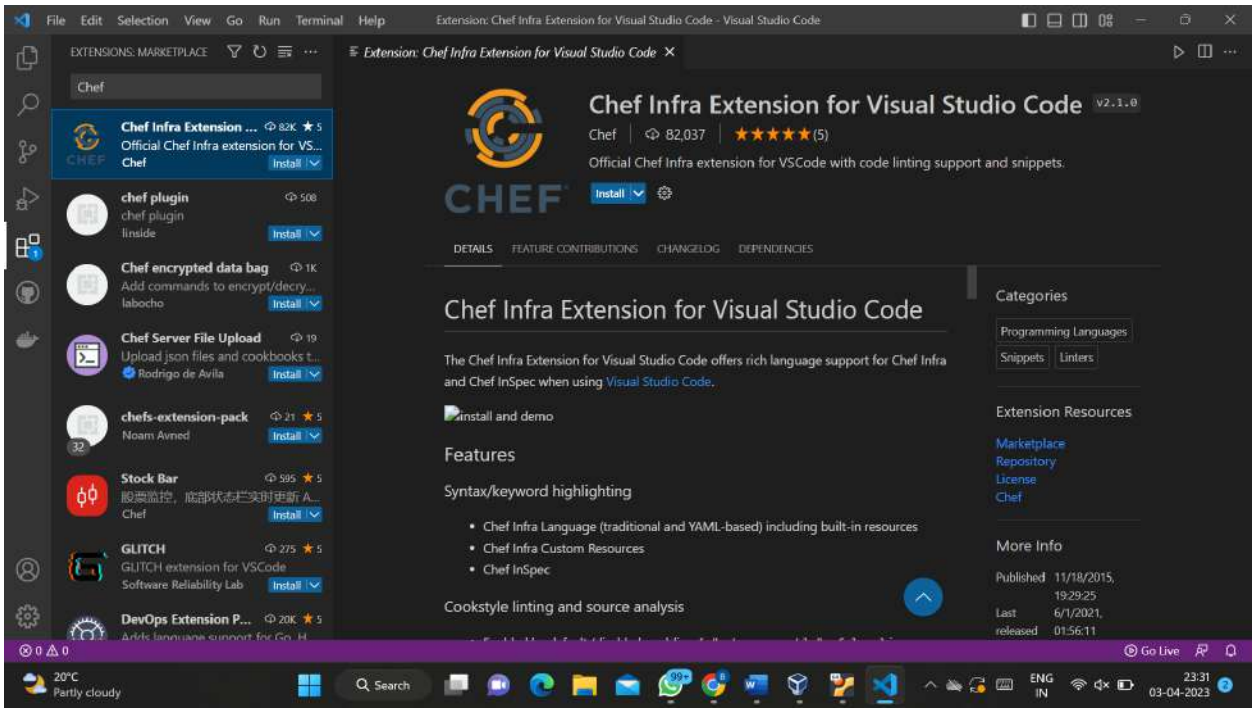

Activities
Firefox Web Browser
May 1 23:59
(2) WhatsApp
devops #4 [Jenkins
Dashboard [Jenkin
localhost:8080/job/devops/4/
Dashboard > devops > #4
Build #4 (May 1, 2023, 6:00:22 PM)
Keep this build forever
Started 1 min 16 sec ago
Took 2.9 sec
Add description
Started by user Bhoomika
Replayed #3 (diff)
git
Revision: aea73782e79bb38cfaec3cacc699b793abffb52d
Repository: https://github.com/Bhoomika121002/devops-jenkins.git
refs/remotes/origin/main
Jenkins 2.387.2

Lab:3 & 4

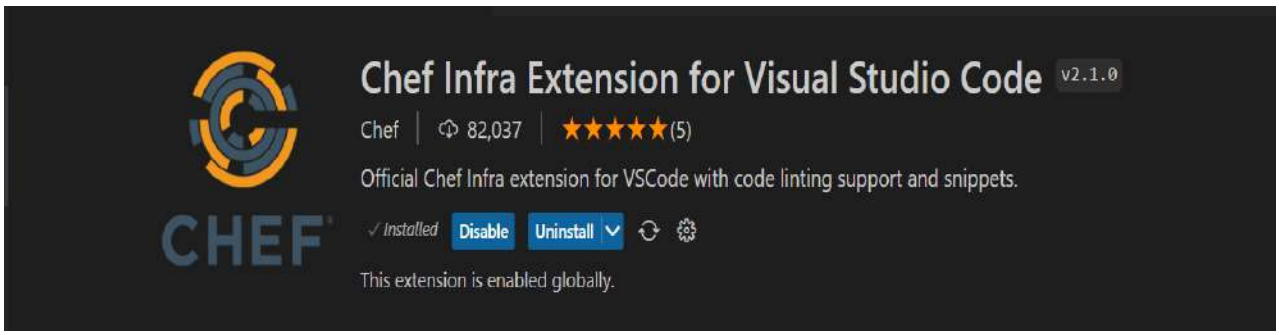
Setup Environment for Chef & Puppet fundamentals

To install the plugin in the VS code we need to first start the VScode after that left most side

Go to extensions-> search box -> chef (Official chef infrastructure plugin)-> install

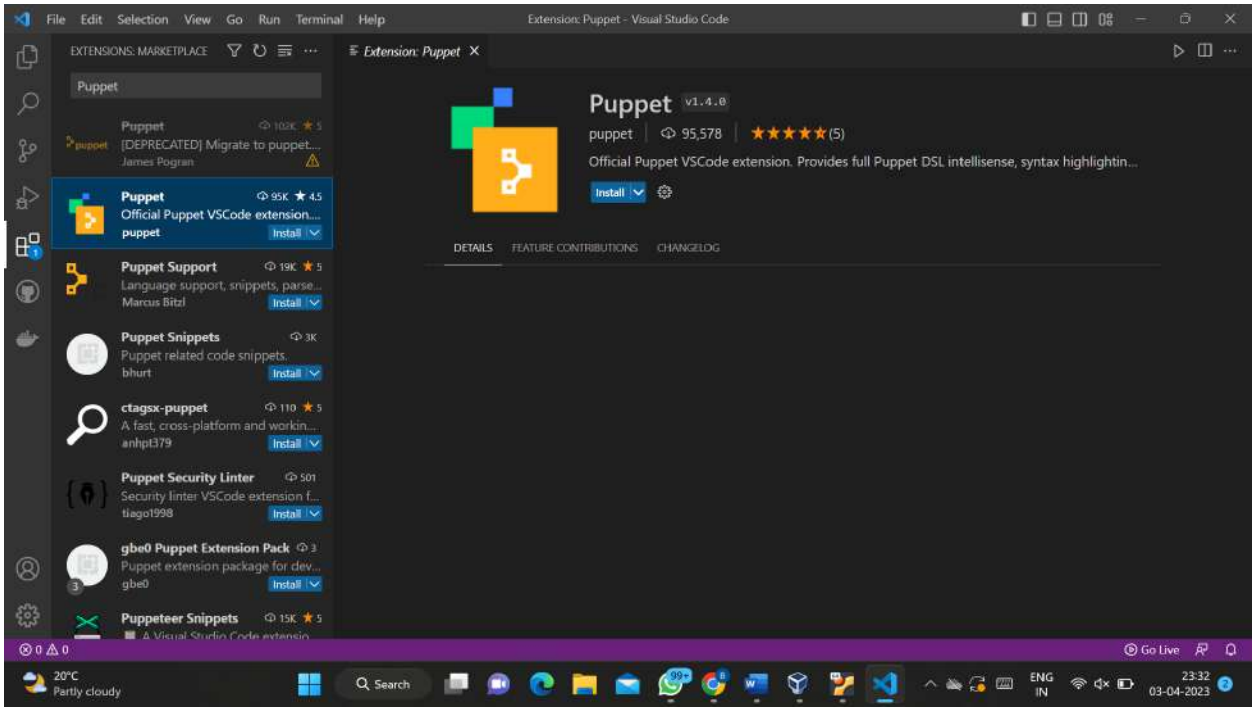


Then reboot the VScode and go for extensions we can see chef is downloaded there

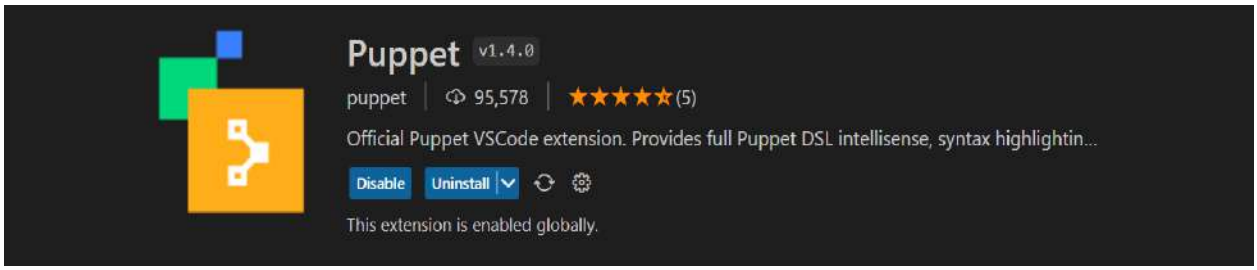


For Puppet same process will be applied

Go to extensions-> search box-> Puppet (Official puppet plugin)-> install



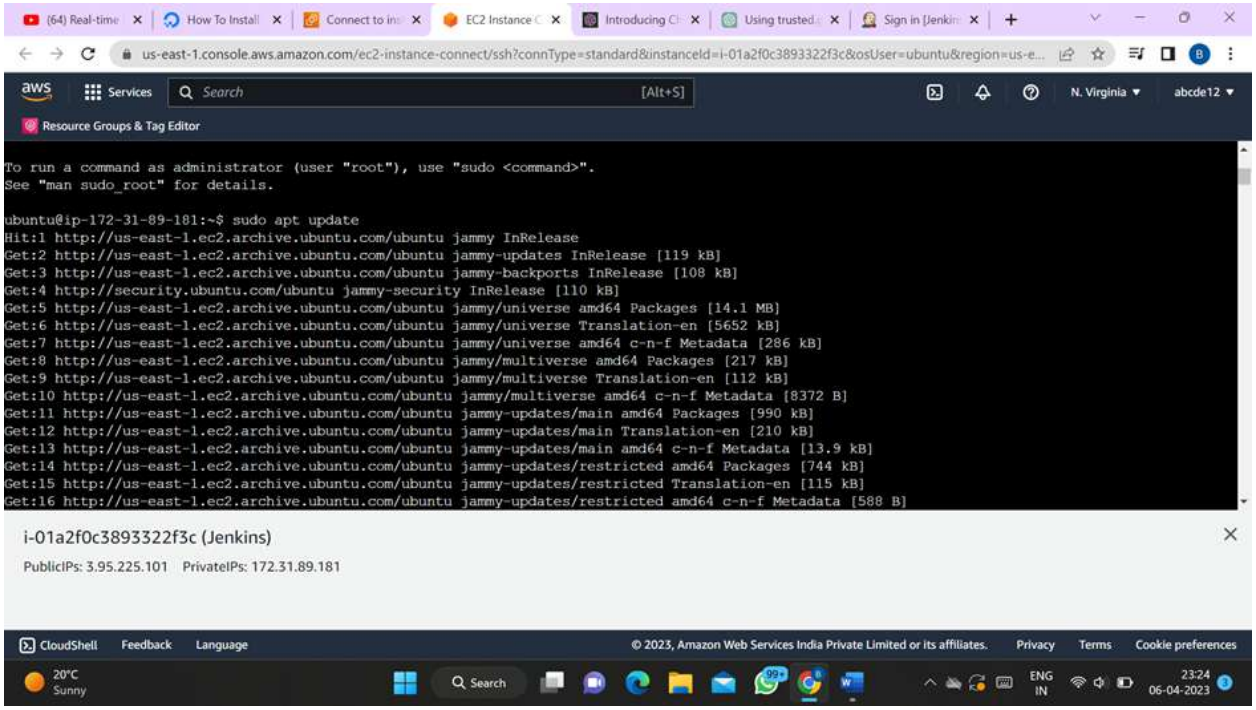
Then again reboot and check for Puppet in extension

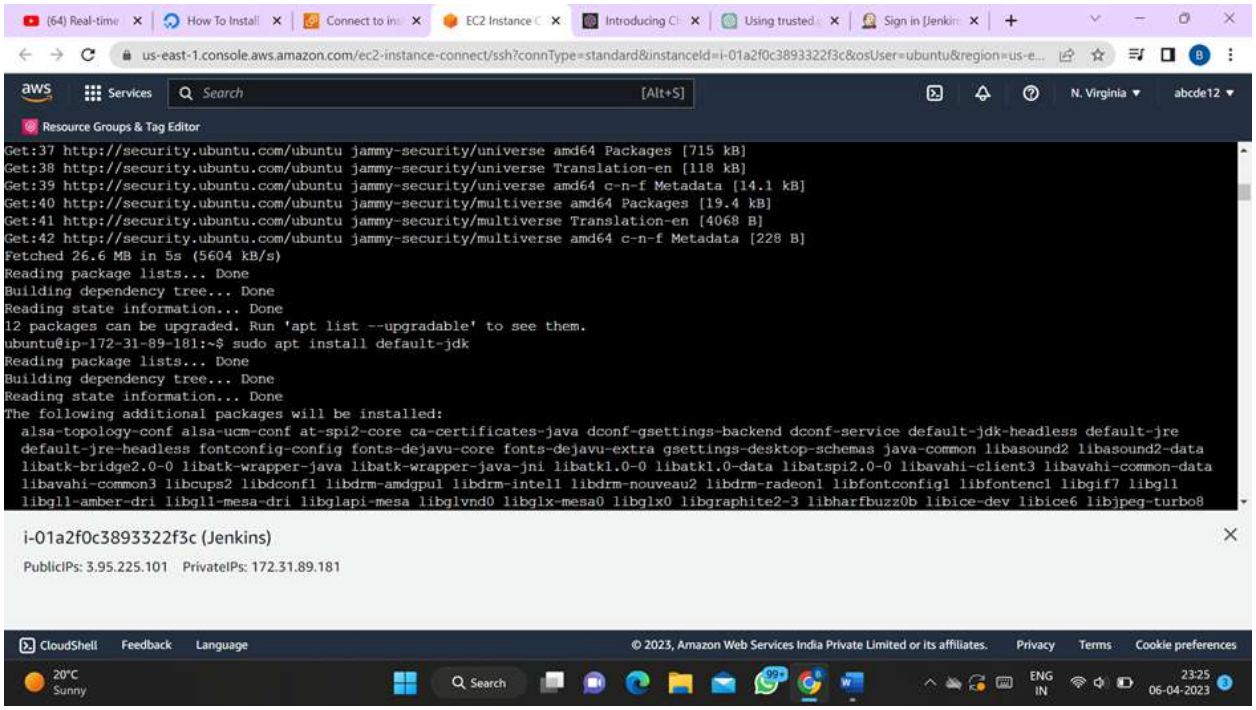


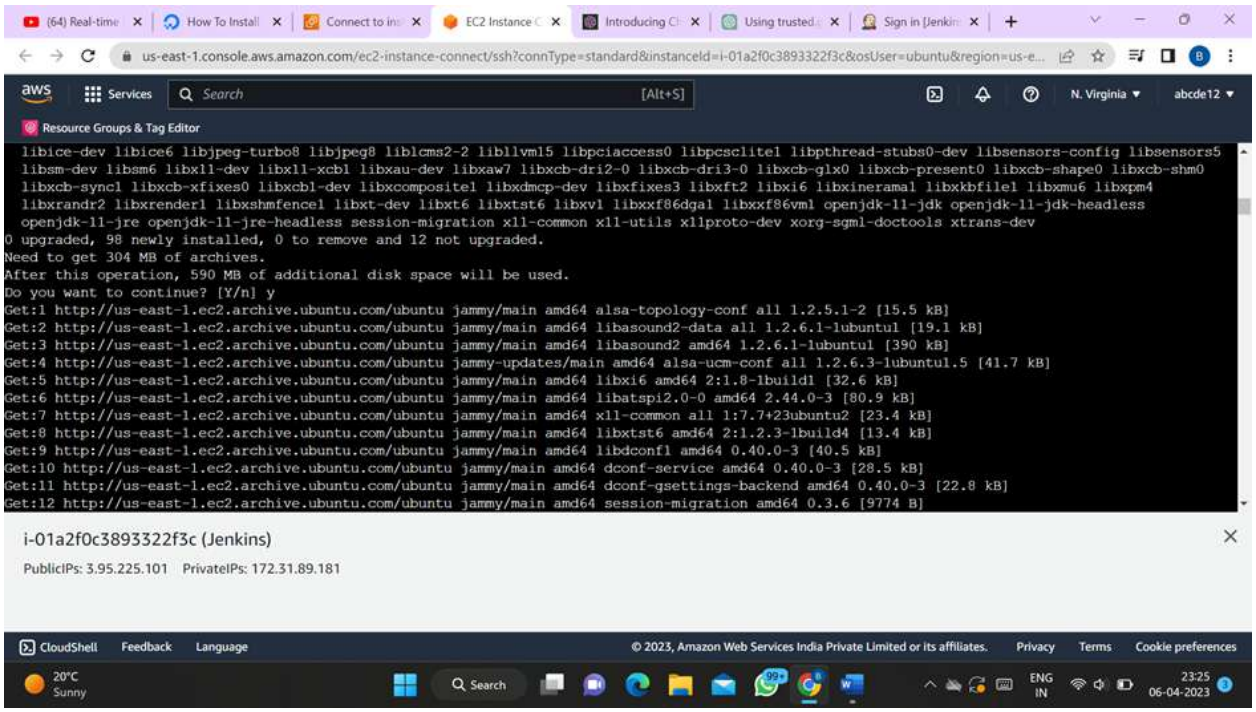
Lab:5

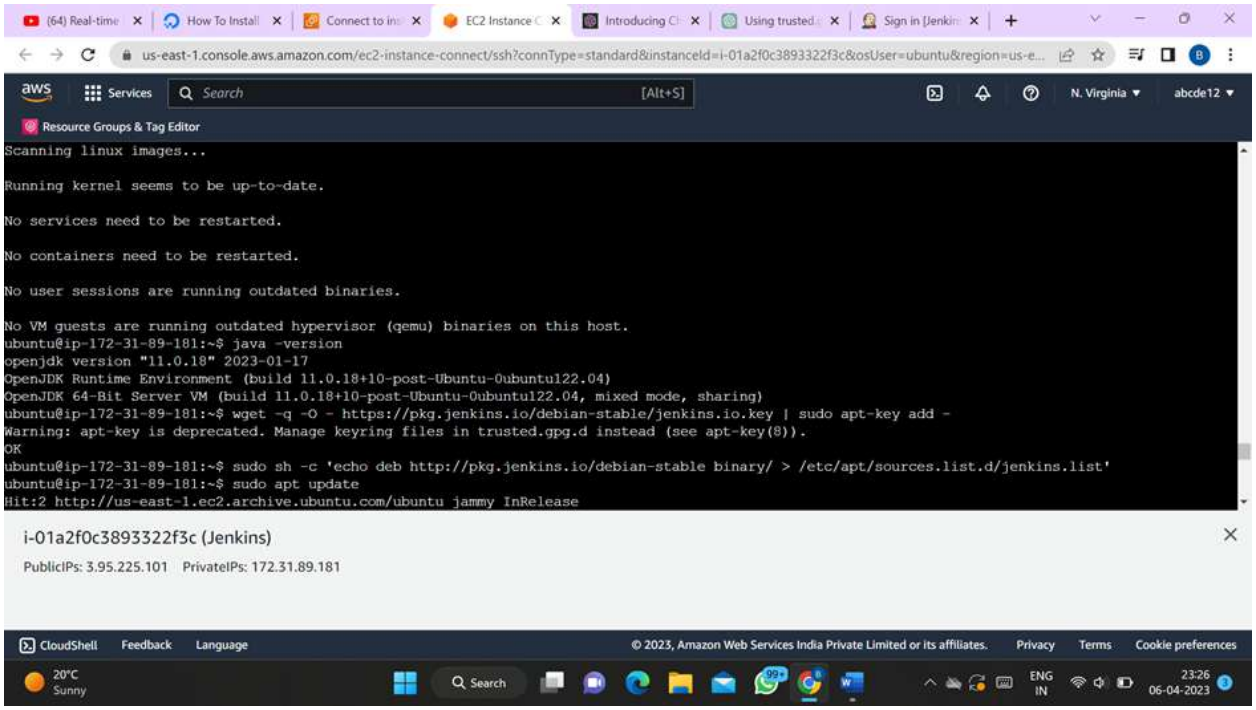
Setting up Learning Environment for Jenkins

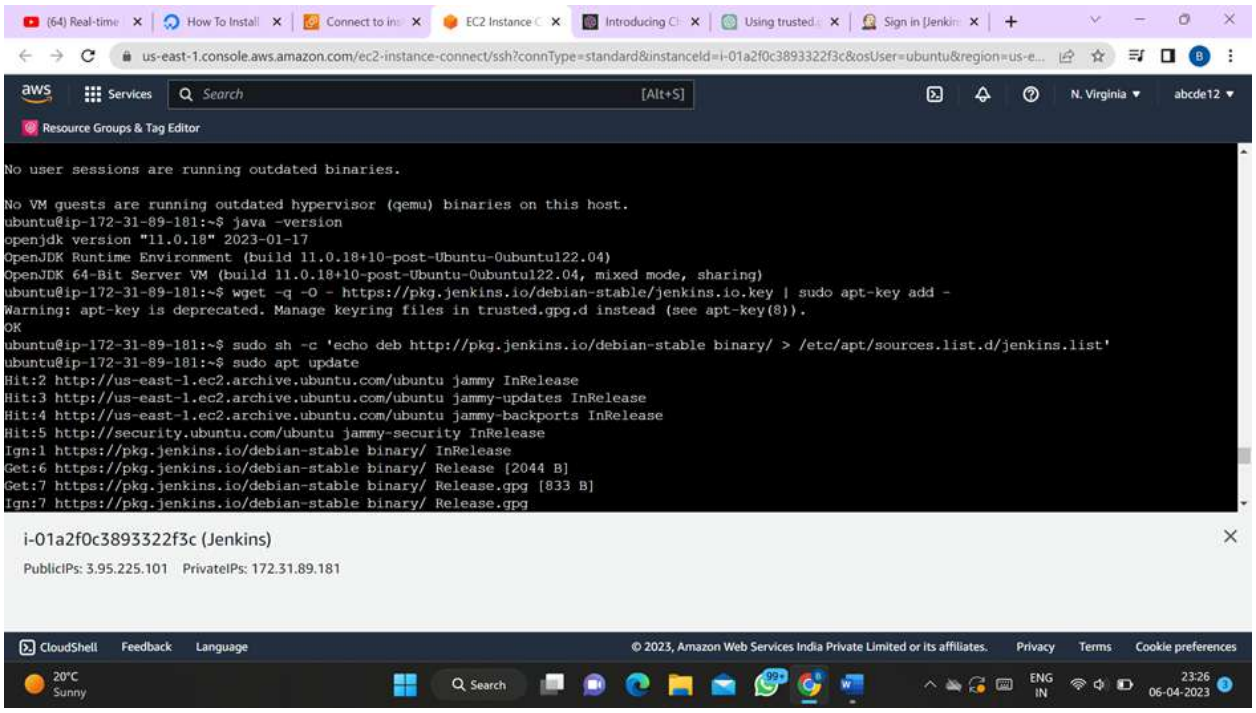
- Jenkins is an open-source automation server that provides a platform for continuous integration and continuous delivery (CI/CD) of software.
- Jenkins allows developers to build, test, and deploy software automatically, and to integrate their workflows with other tools and technologies.
- Jenkins is highly extensible and has a large ecosystem of plugins and integrations with popular development tools, including Git, Docker, SonarQube, and many others.
- Jenkins can be used to automate a wide variety of tasks, including building and testing code, deploying applications to different environments, and running scripts and jobs on remote machines.

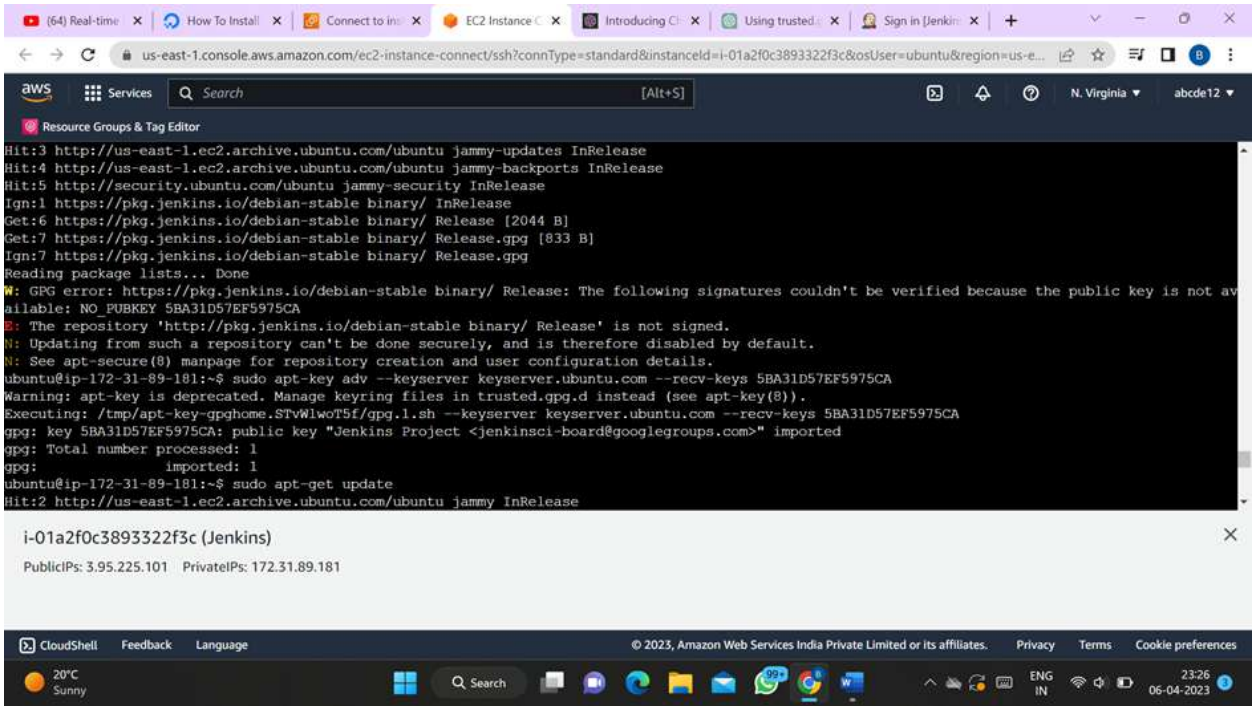


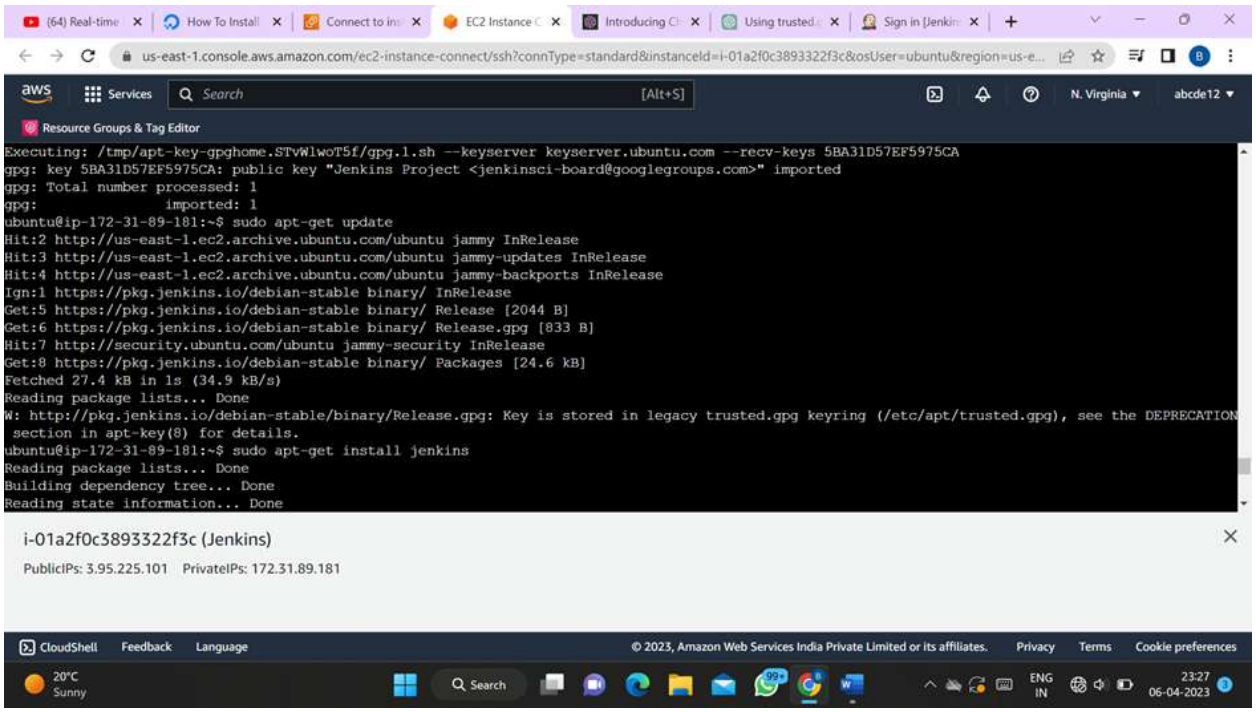

Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [715 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [118 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [14.1 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [19.4 kB]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [4068 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
Fetched 26.6 MB in 5s (5604 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
12 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-89-181:~$ sudo apt install default-jdk
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
alsa-topology-conf alsa-ucm-conf at-spi2-core ca-certificates-java dconf-gsettings-backend dconf-service default-jdk-headless default-jre
default-jre-headless fontconfig-config fonts-dejavu-core fonts-dejavu-extra gsettings-desktop-schemas java-common libasound2 libasound2-data
libatk-bridge2.0-0 libatk-wrapper-java libatk-wrapper-java-jni libatk1.0-0 libatk1.0-data libatspi2.0-0 libavahi-client3 libavahi-common-data
libavahi-common3 libcups2 libdconf1 libdrm-amdgpu1 libdrm-intel1 libdrm-nouveau2 libdrm-radeon1 libfontconfig1 libfontenc1 libgif7 libgl1
libgl1-amber-dri libgl1-mesa-dri libglapi-mesa libglvnd0 libglx-mesa0 libglx0 libgraphite2-3 libharfbuzz0b libice-dev libice6 libjpeg-turbo8
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181

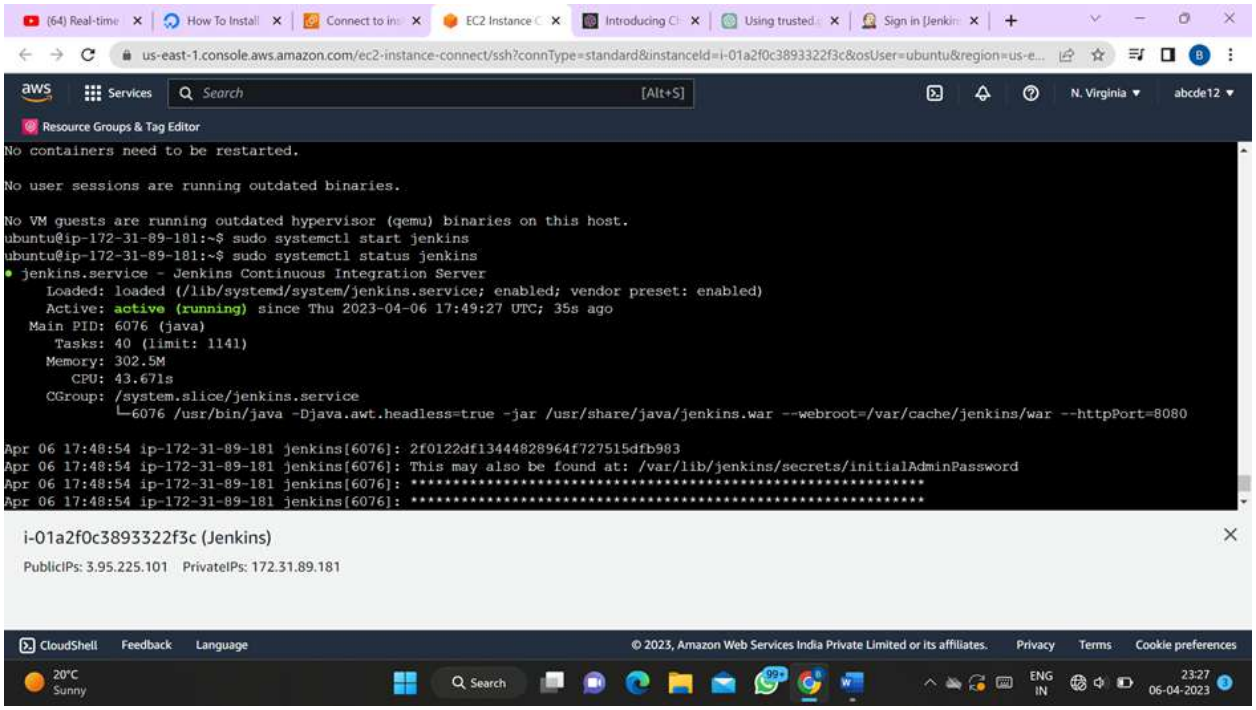

libice-dev libice6 libjpeg-turbo8 libjpeg8 liblcms2-2 libllvm15 libpciaccess0 libpcsclite1 libpthread-stubs0-dev libsensors-config libsensors5
libsm-dev libsm6 libx11-dev libx11-xcb1 libxau-dev libxaw7 libxcb-dri2-0 libxcb-dri3-0 libxcb-glx0 libxcb-present0 libxcb-shape0 libxcb-shm0
libxcb-sync1 libxcb-xfixes0 libxcb1-dev libxcomposite1 libxdmcp-dev libxfixes3 libxft2 libxi6 libxinerama1 libxkbfile1 libxmu6 libxpm4
libxrandr2 libxrender1 libxshmfence1 libxt-dev libxt6 libxtst6 libxv1 libxxf86dga1 libxxf86vm1 openjdk-11-jdk openjdk-11-jdk-headless
openjdk-11-jre openjdk-11-jre-headless session-migration x11-common x11-utils x11proto-dev xorg-sgml-doctools xtrans-dev
0 upgraded, 98 newly installed, 0 to remove and 12 not upgraded.
Need to get 304 MB of archives.
After this operation, 590 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 alsa-topology-conf all 1.2.5.1-2 [15.5 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libasound2-data all 1.2.6.1-1ubuntu1 [19.1 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libasound2 amd64 1.2.6.1-1ubuntu1 [390 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 alsa-ucm-conf all 1.2.6.3-1ubuntu1.5 [41.7 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libxi6 amd64 2:1.8-1build1 [32.6 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libatspi2.0-0 amd64 2.44.0-3 [80.9 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 x11-common all 1:7.7+23ubuntu2 [23.4 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libxtst6 amd64 2:1.2.3-1build4 [13.4 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libdconf1 amd64 0.40.0-3 [40.5 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 dconf-service amd64 0.40.0-3 [28.5 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 dconf-gsettings-backend amd64 0.40.0-3 [22.8 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 session-migration amd64 0.3.6 [9774 B]
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181

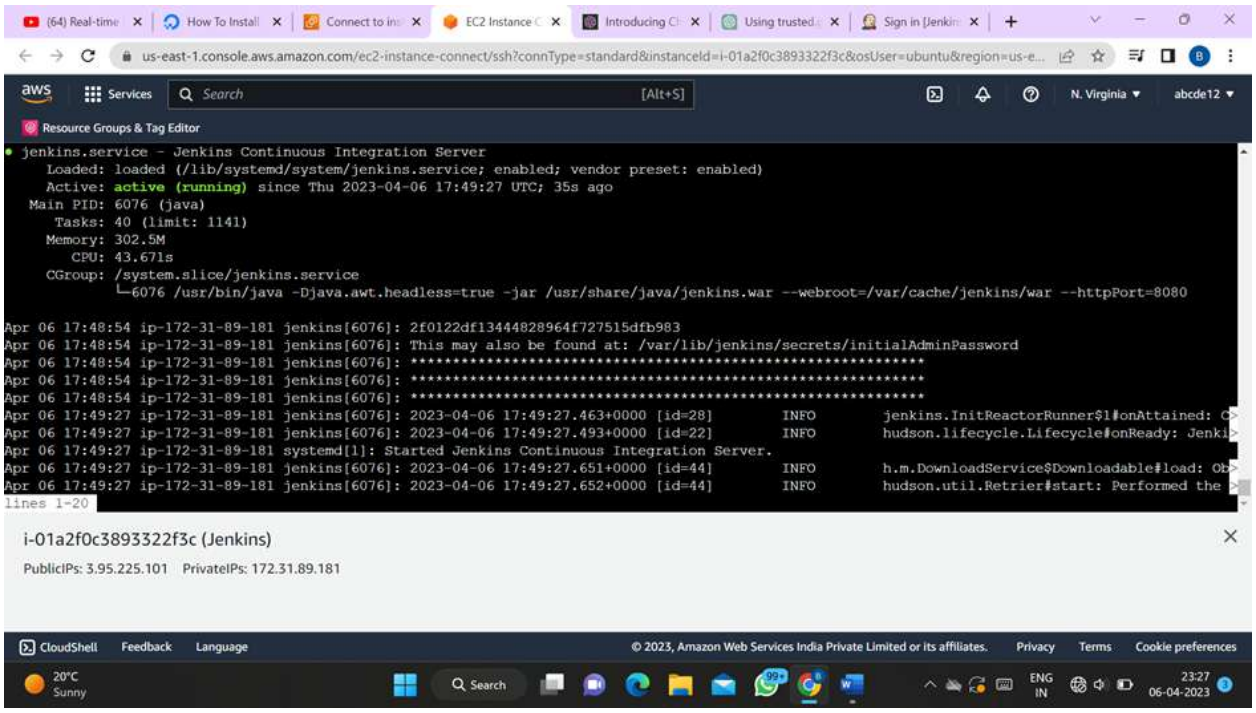

Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-89-181:~$ java -version
openjdk version "11.0.18" 2023-01-17
OpenJDK Runtime Environment (build 11.0.18+10-post-Ubuntu-0ubuntu122.04)
OpenJDK 64-Bit Server VM (build 11.0.18+10-post-Ubuntu-0ubuntu122.04, mixed mode, sharing)
ubuntu@ip-172-31-89-181:~$ wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
ubuntu@ip-172-31-89-181:~$ sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'
ubuntu@ip-172-31-89-181:~$ sudo apt update
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181


No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-89-181:~$ java -version
openjdk version "11.0.18" 2023-01-17
OpenJDK Runtime Environment (build 11.0.18+10-post-Ubuntu-0ubuntu122.04)
OpenJDK 64-Bit Server VM (build 11.0.18+10-post-Ubuntu-0ubuntu122.04, mixed mode, sharing)
ubuntu@ip-172-31-89-181:~$ wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
ubuntu@ip-172-31-89-181:~$ sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'
ubuntu@ip-172-31-89-181:~$ sudo apt update
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
Hit:5 http://security.ubuntu.com/ubuntu jammy-security InRelease
Ign:1 https://pkg.jenkins.io/debian-stable binary/ InRelease
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Ign:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181


(64) Real-time
How To Install
Connect to ins
EC2 Instance C
Introducing Cl
Using trusted
Sign in [Jenkin
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-01a2f0c3893322f3c&osUser=ubuntu&region=us-e...
aws
Services
Search
[Alt+S]
N. Virginia
abcde12
Resource Groups & Tag Editor
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
Hit:5 http://security.ubuntu.com/ubuntu jammy-security InRelease
Ign:1 https://pkg.jenkins.io/debian-stable binary/ InRelease
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Ign:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg
Reading package lists... Done
W: GPG error: https://pkg.jenkins.io/debian-stable binary/ Release: The following signatures couldn't be verified because the public key is not av
ailable: NO_PUBKEY 5BA31D57EF5975CA
E: The repository 'http://pkg.jenkins.io/debian-stable binary/ Release' is not signed.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
ubuntu@ip-172-31-89-181:~$ sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys 5BA31D57EF5975CA
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
Executing: /tmp/apt-key-gpghome.STvWlwoT5f/gpg.1.sh --keyserver keyserver.ubuntu.com --recv-keys 5BA31D57EF5975CA
gpg: key 5BA31D57EF5975CA: public key "Jenkins Project <jenkinsci-board@googlegroups.com>" imported
gpg: Total number processed: 1
gpg: imported: 1
ubuntu@ip-172-31-89-181:~$ sudo apt-get update
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
20°C
Sunny
Search
ENG
IN
23:26
06-04-2023


(64) Real-time
How To Install
Connect to ins
EC2 Instance C
Introducing Cl
Using trusted
Sign in [Jenkin
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-01a2f0c3893322f3c&osUser=ubuntu&region=us-e...
aws
Services
Search
[Alt+S]
N. Virginia
abcde12
Resource Groups & Tag Editor
Executing: /tmp/apt-key-gpghome.STvWlwoT5f/gpg.1.sh --keyserver keyserver.ubuntu.com --recv-keys 5BA31D57EF5975CA
gpg: key 5BA31D57EF5975CA: public key "Jenkins Project <jenkinsci-board@googlegroups.com>" imported
gpg: Total number processed: 1
gpg: imported: 1
ubuntu@ip-172-31-89-181:~$ sudo apt-get update
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 [24.6 kB]
Fetched 27.4 kB in 1s (34.9 kB/s)
Reading package lists... Done
W: http://pkg.jenkins.io/debian-stable/binary/Release.gpg: Key is stored in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION
 section in apt-key(8) for details.
ubuntu@ip-172-31-89-181:~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
20°C
Sunny
Search
ENG
IN
23:27
06-04-2023


No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-89-181:~$ sudo systemctl start jenkins
ubuntu@ip-172-31-89-181:~$ sudo systemctl status jenkins
jenkins.service - Jenkins Continuous Integration Server
Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
Active: active (running) since Thu 2023-04-06 17:49:27 UTC; 35s ago
Main PID: 6076 (java)
Tasks: 40 (limit: 1141)
Memory: 302.5M
CPU: 43.671s
CGroup: /system.slice/jenkins.service
└6076 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080
Apr 06 17:48:54 ip-172-31-89-181 jenkins[6076]: 2f0122df1344828964f727515dfb983
Apr 06 17:48:54 ip-172-31-89-181 jenkins[6076]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181


jenkins.service - Jenkins Continuous Integration Server
Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
Active: active (running) since Thu 2023-04-06 17:49:27 UTC; 35s ago
Main PID: 6076 (java)
Tasks: 40 (limit: 1141)
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CPU: 43.671s
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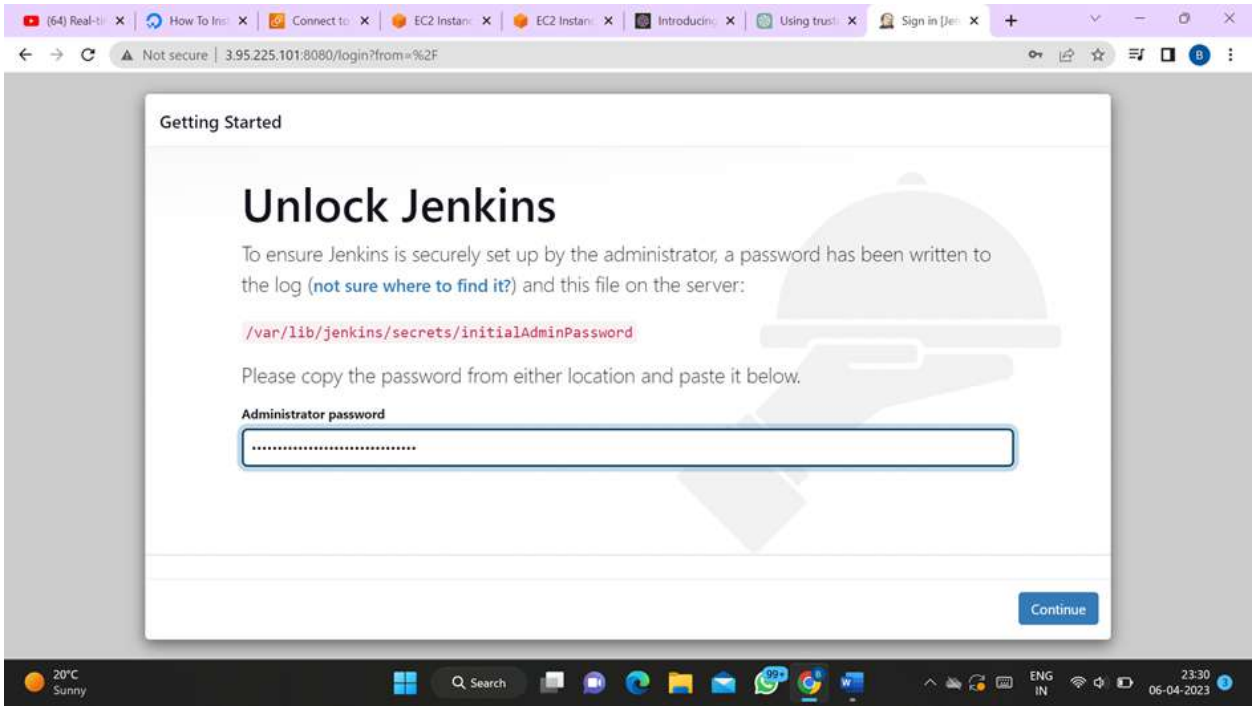
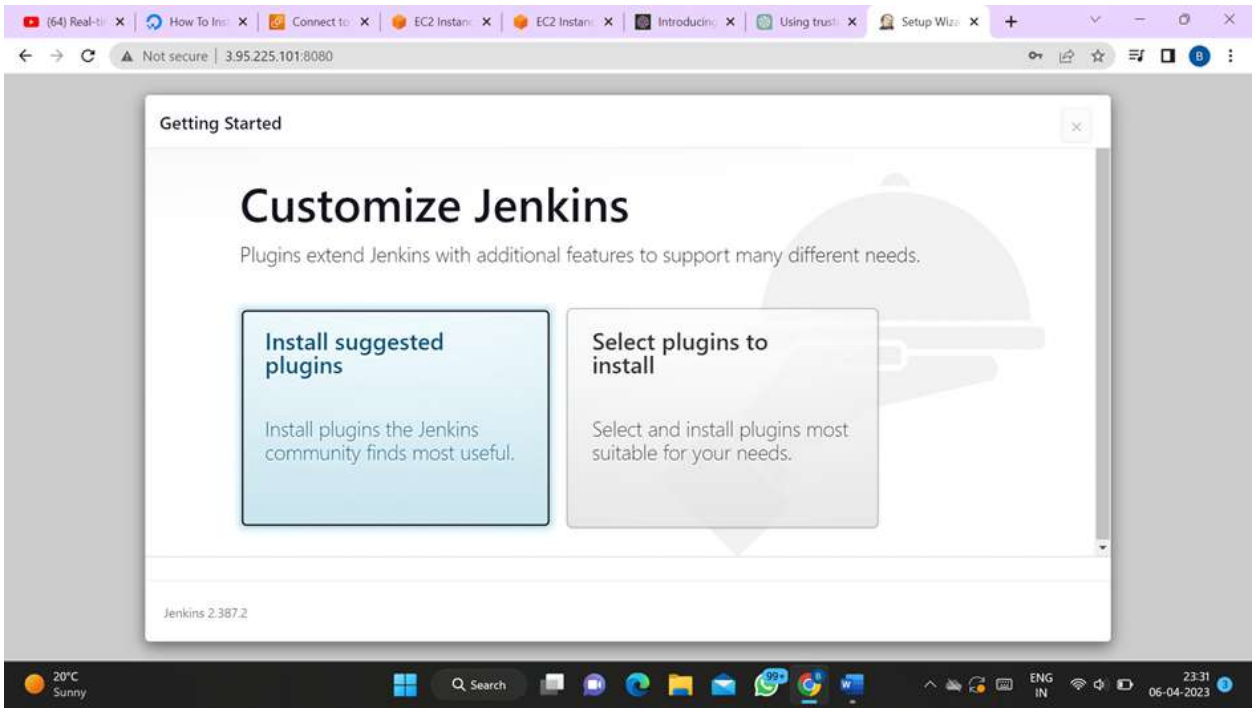
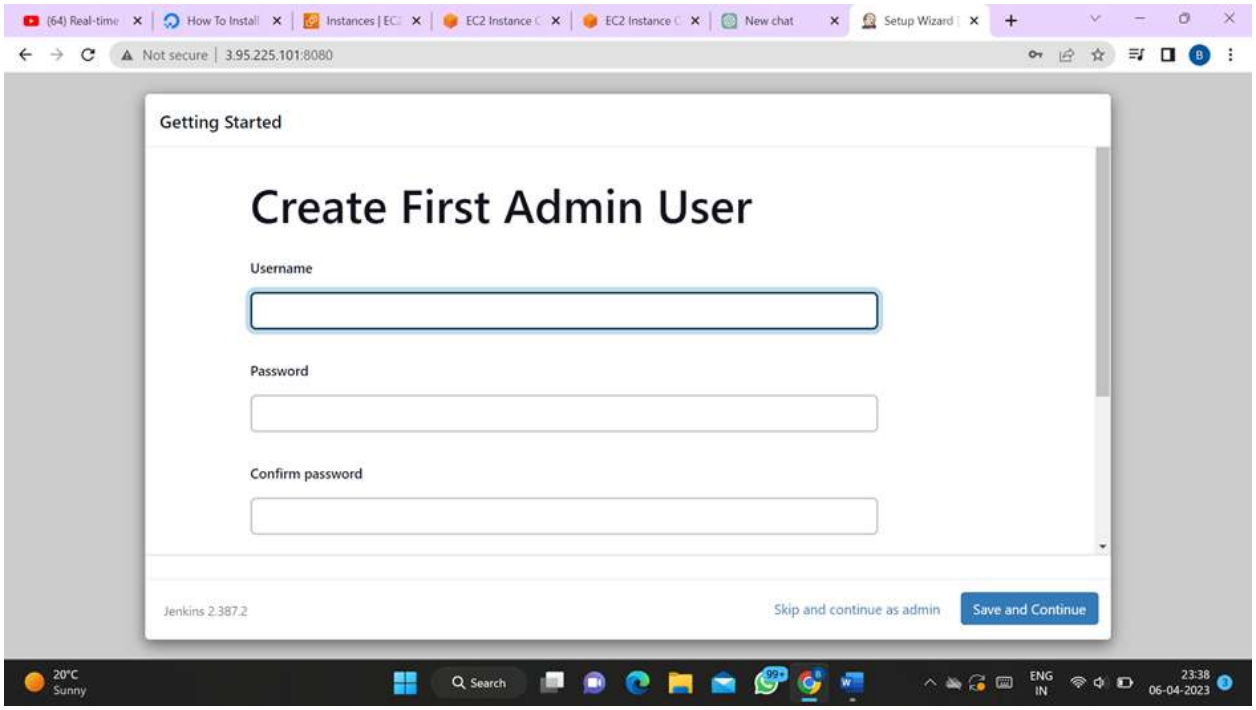
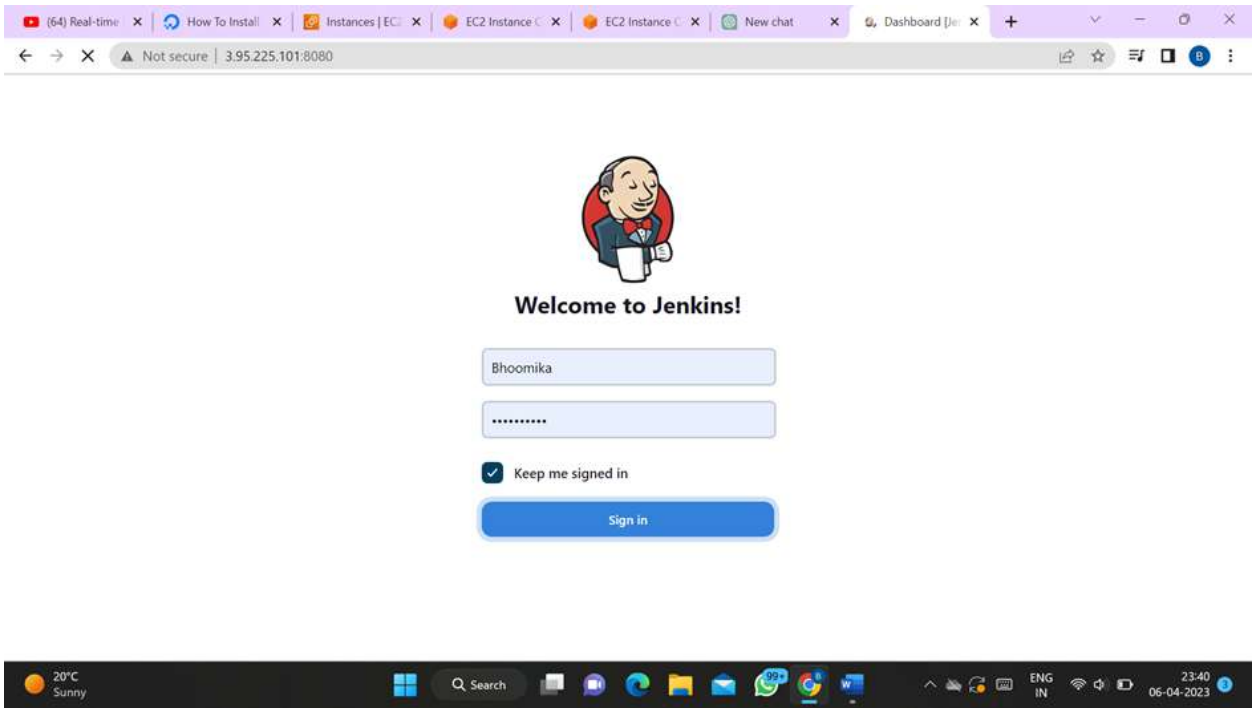
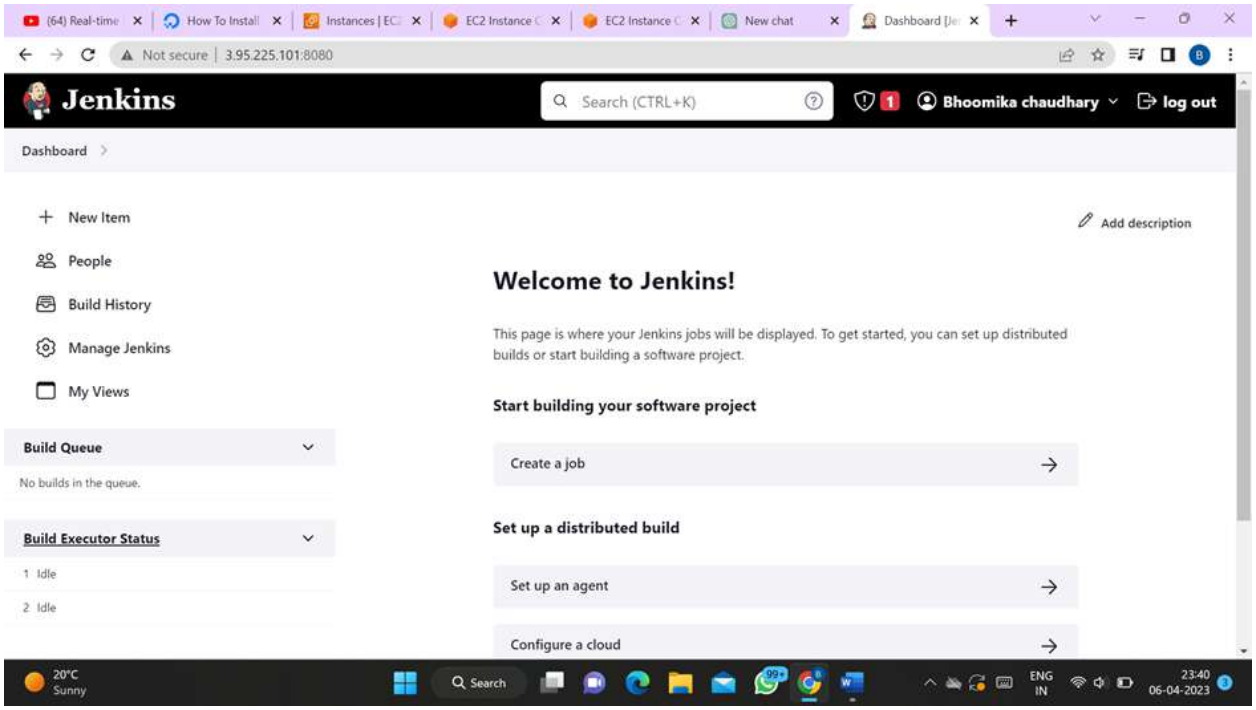
└6076 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080
Apr 06 17:48:54 ip-172-31-89-181 jenkins[6076]: 2f0122df1344828964f727515dfb983
Apr 06 17:48:54 ip-172-31-89-181 jenkins[6076]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Apr 06 17:49:27 ip-172-31-89-181 jenkins[6076]: 2023-04-06 17:49:27.463+0000 [id=28] INFO jenkins.InitReactorRunner$1#onAttained:
Apr 06 17:49:27 ip-172-31-89-181 jenkins[6076]: 2023-04-06 17:49:27.493+0000 [id=22] INFO hudson.lifecycle.Lifecycle#onReady: Jenki
Apr 06 17:49:27 ip-172-31-89-181 systemd[1]: Started Jenkins Continuous Integration Server.
Apr 06 17:49:27 ip-172-31-89-181 jenkins[6076]: 2023-04-06 17:49:27.651+0000 [id=44] INFO h.m.DownloadService$Downloadable#load: Ob
Apr 06 17:49:27 ip-172-31-89-181 jenkins[6076]: 2023-04-06 17:49:27.652+0000 [id=44] INFO hudson.util.Retrier#start: Performed the
lines 1-20
i-01a2f0c3893322f3c (Jenkins)
PublicIPs: 3.95.225.101 PrivateIPs: 172.31.89.181


Not secure | 3.95.225.101:8080/login?from=%2F
Getting Started
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
Continue
20°C
Sunny
Search
ENG
IN
23:30
06-04-2023


Not secure | 3.95.225.101:8080
Getting Started
Customize Jenkins
Plugins extend Jenkins with additional features to support many different needs.
Install suggested plugins
Install plugins the Jenkins community finds most useful.
Select plugins to install
Select and install plugins most suitable for your needs.
Jenkins 2.387.2
20°C
Sunny
Search
ENG
IN
23:31
06-04-2023


Not secure | 3.95.225.101:8080
Getting Started
Create First Admin User
Username
Password
Confirm password
Jenkins 2.387.2
Skip and continue as admin
Save and Continue


Not secure | 3.95.225.101:8080
Welcome to Jenkins!
Bhoomika
Keep me signed in
Sign in



Jenkins Environment has been set up successfully.