### DAY-2 JENKINS -GITHUB-DOCKER INSTALLATION SETUP

### **Step 1: Install Docker**

• The document likely includes steps for **downloading and installing Docker** on a system (Linux, Windows, or Mac).

# Step 2: Enable and Start Docker

- After installation, Docker needs to be **enabled and started** to run properly.
- Common commands for Linux:

sudo systemctl enable docker

sudo systemctl start docker

# **Step 3: Verify Installation**

• After starting Docker, it's important to check if the installation is successful

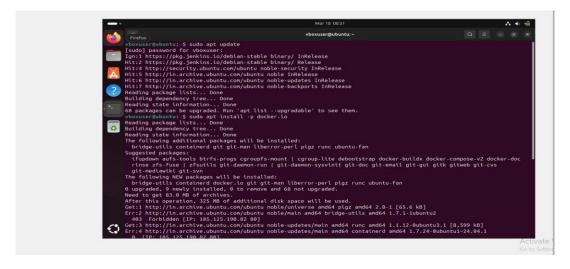
# **Step 4: Additional Setup (GitHub Token Link)**

- The document contains a **GitHub token generation link**: <u>GitHub Token Settings</u>
  - This suggests that authentication with GitHub (e.g., for Docker Hub access or private repositories) might be required.

# **Step 5: Test Docker**

- Run a test to ensure Docker is functioning correctly.
- If the test is successful, Docker will display a message confirming that it is installed and working properly.

#### Step 1:Install Docker



#### **Enable and Start Docker**

```
Setting up liberror-perl (0.17029-2) ...

Setting up bridge-utils (1.7.1-1ubuntu2) ...

Setting up pigz (2.8-1) ...

Setting up git-man (1:2.43.0-1ubuntu7-2) ...

Setting up containerd (1.7.24-0bubntu1-24.04.1) ...

Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /usr/lib/systemd/system/containerd.service.

Setting up ubuntu-fan (0.12.16) ...

Created symlink /etc/systemd/system/multi-user.target.wants/ubuntu-fan.service → /usr/lib/systemd/system/ubuntu-fan.service.

Setting up docker.io (26.1.3-0ubuntu1-24.04.1) ...

info: Selecting GID from range 100 to 999 ...

info: Adding group 'docker' (GID 125) ...

Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.

Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/docker.socket.

Setting up git (1:2.43.0-1ubuntu7.2) ...

Processing triggers for man-db (2.12.0-4build2) ...

vboxuser@ubuntu:-$ sudo systemctl enable docker

vboxuser@ubuntu:-$ sudo systemctl start docker
```

#### **Verify Installation:**

```
--tlskey string Path to TLS key file (default "/home/vboxuser/.docker/key.pem")
--tlsverify Use TLS and verify the remote
-v, --version Print version information and quit

Run 'docker COMMAND --help' for more information on a command.

For more help on how to use Docker, head to https://docs.docker.com/go/guides/

vboxuser@ubuntu:-$ docker --version
Docker version 26.1.3, build 26.1.3-0ubuntu1~24.04.1

vboxuser@ubuntu:-$
```

```
Try 'mkdir --help' for more information.

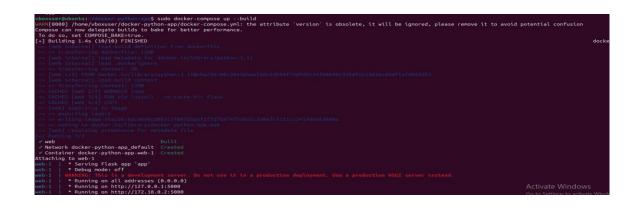
vboxuser@ubuntu:-$ mkdir --/docker-python-app
mkdir: unrecognized option '--/docker-python-app'
Try 'mkdir --help' for more information.

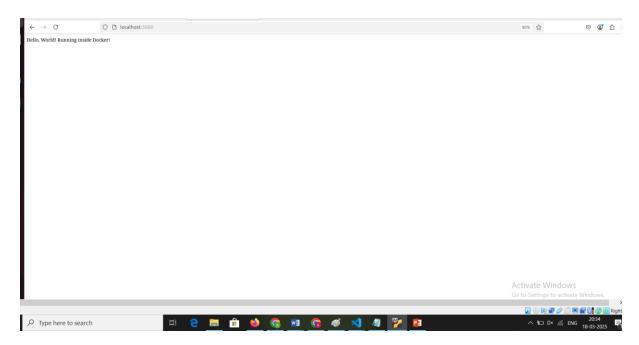
vboxuser@ubuntu:-$ mkdir -/docker-python-app
vboxuser@ubuntu:-$ nkdir -/docker-python-app
mkdir: command not found
vboxuser@ubuntu:-$ of -/docker-python-app
vboxuser@ubuntu:-/docker-python-app
vboxuser@ubuntu:-/docker-python-app
vboxuser@ubuntu:-/docker-python-app
vboxuser@ubuntu:-/docker-python-appS nano app.py

vboxuser@ubuntu:-/docker-python-appS nano requirements.txt
vboxuser@ubuntu:-/docker-python-appS

Activate Windows
```



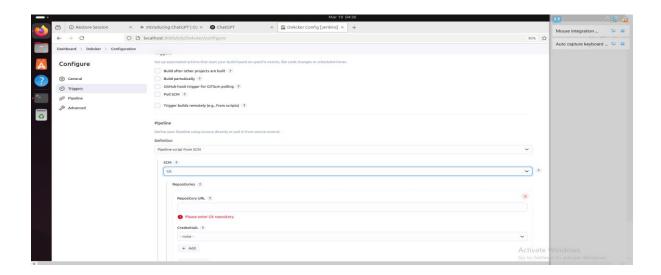


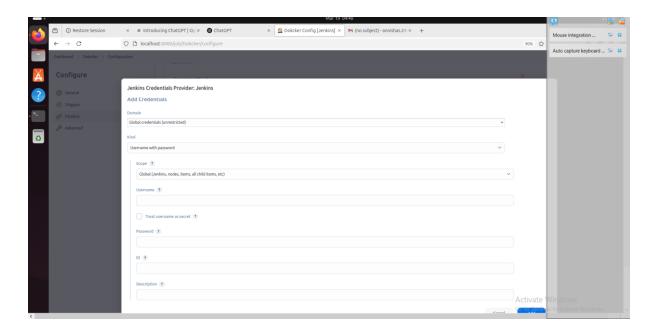


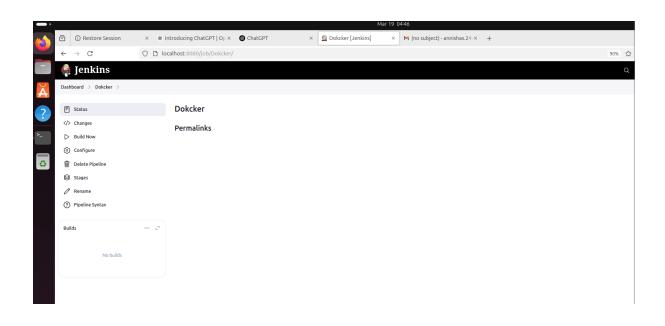
# https://github.com/settings/tokens/new



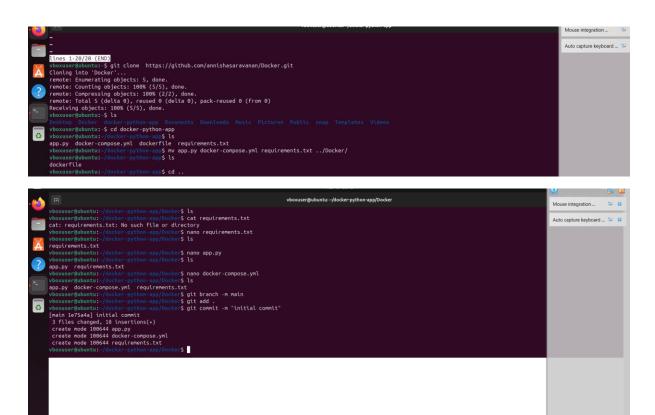


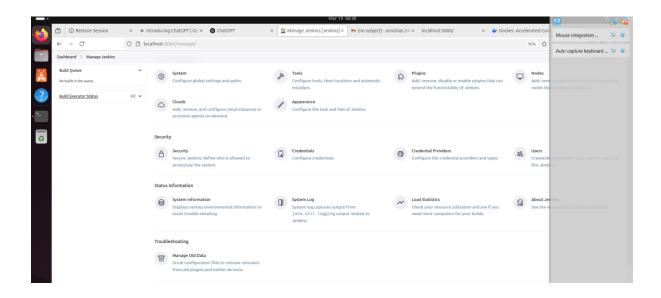


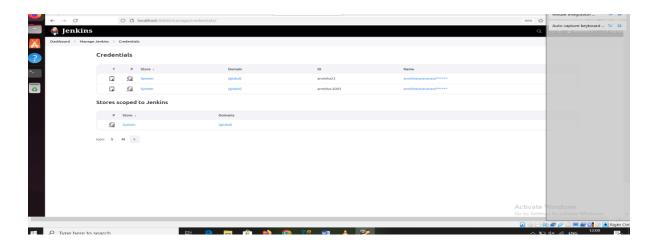


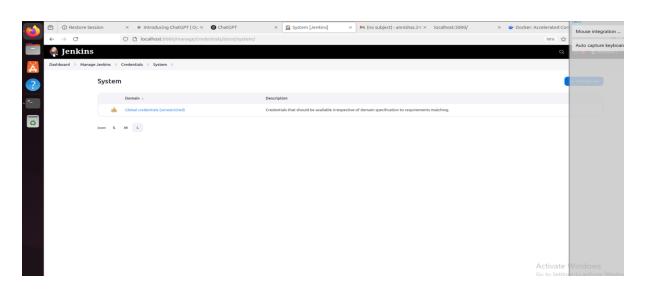


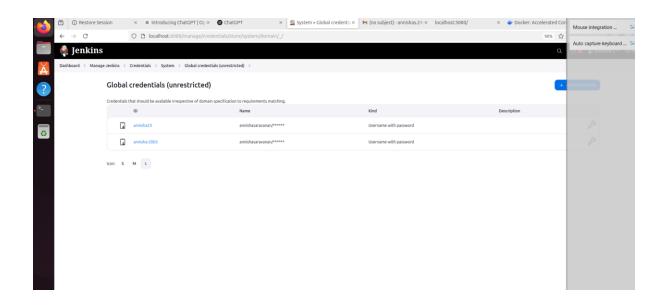
















Status

</>

∑ Console Output

Edit Build Information

(i) Timings

Git Build Data

Git Build Data

Pipeline Overview

Pipeline Console

Thread Dump

|| Pause/resume

# Console Output

Started by user Annisha.S Obtained Jenkinsfile from git https://github.com/annishasaravanar [Pipeline] Start of Pipeline [Pipeline] node Running on Jenkins in /var/lib/jenkins/workspace/Dokcker [Pipeline] { [Pipeline] stage [Pipeline] { (Declarative: Checkout SCM) [Pipeline] checkout Selected Git installation does not exist. Using Default The recommended git tool is: NONE No credentials specified > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Dol Fetching changes from the remote Git repository > git config remote.origin.url https://github.com/annishasaravar Fetching upstream changes from https://github.com/annishasaravana > git --version # timeout=10 > git --version # 'git version 2.43.0'

