

# Documentation:

## 1. Change the system user->

**step1: sudo apt update**

**step2:** add new user name temp

**sudo adduser hardikmehta**

provide the sudo permission to temp user

**sudo usermod -aG sudo temp**

**step3:** log in to temp user

**Step4:** Open the terminal or ( ctrl+alt+T) shortcut

**sudo usermod -l 1rv24mc039\_hardikmehta hardik**

```
hardikmehta@hardik-Aspire-E5-573:~$ sudo usermod -l 1rv24mc039_hardikmehta hardik
hardikmehta@hardik-Aspire-E5-573:~$
```

// change the user name from temp (some process 2257 was running and not allowing to change the system name from the main user).

**step5:** After changing the username from the temp logout and login to mainUser **step6:** check the username using the command

**whoami**

```
1rv24mc039_hardikmehta@hardik-Aspire-E5-573:~$ whoami
1rv24mc039_hardikmehta
1rv24mc039_hardikmehta@hardik-Aspire-E5-573:~$ █
```

## 2. Docker installation

Installation using apt repository

**step1: Add docker official GPG key:**

**sudo apt-get update**

**Step2: Set up Docker's apt repository.**

# Add Docker's official GPG key:

**sudo apt-get update**

**sudo apt-get install ca-certificates curl**

```
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg
-o /etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc
```

**# Add the repository to Apt sources:**

```
echo \
"deb [arch=$(dpkg --print-architecture)
signed-by=/etc/apt/keyrings/docker.asc]
https://download.docker.com/linux/ubuntu \
$(. /etc/os-release && echo
"${UBUNTU_CODENAME:-$VERSION_CODEN
AME}") stable" | \
sudo tee /etc/apt/sources.list.d/docker.list >
/dev/null
sudo apt-get update
```

---

```
1rv24mc039_hardikmehta@hardik-Aspire-E5-573:~$ # Add Docker's official GPG key:
```

```
sudo apt-get update
sudo apt-get install ca-certificates curl
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc
```

```
# Add the repository to Apt sources:
```

```
echo \
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/l
$(. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}") stable" | \
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease
Hit:2 https://brave-browser-apt-release.s3.brave.com stable InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
```

**step3: Install docker latest version**

```
sudo apt-get install docker-ce docker-ce-cli
containerd.io docker-buildx-plugin Docker-compose-plugin
```

```
1rv24mc039_hardikmehta@hardik-Aspire-E5-573:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin d
ocker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  docker-ce-rootless-extras git git-man liberror-perl libslirp0 pigz slirp4netns
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb
  git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-ce-rootless-extras docker-compose-plugin git git-man
  liberror-perl libslirp0 pigz slirp4netns
0 upgraded, 12 newly installed, 0 to remove and 81 not upgraded.
Need to get 110 MB of archives.
After this operation, 461 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

## step4: Check the docker status

### sudo systemctl status docker

```
1rv24mc039_hardikmehta@hardik-Aspire-E5-573:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-10-17 09:47:46 IST; 13s ago
   TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 12461 (dockerd)
      Tasks: 10
     Memory: 39.8M (peak: 40.5M)
        CPU: 570ms
    CGroup: /system.slice/docker.service
            └─12461 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 17 09:47:46 hardik-Aspire-E5-573 dockerd[12461]: time="2025-10-17T09:47:46.025571281+05:30" level=info msg="detected 127.0.
Oct 17 09:47:46 hardik-Aspire-E5-573 dockerd[12461]: time="2025-10-17T09:47:46.068854209+05:30" level=info msg="Creating a cont
Oct 17 09:47:46 hardik-Aspire-E5-573 dockerd[12461]: time="2025-10-17T09:47:46.111927259+05:30" level=info msg="Loading contain
Oct 17 09:47:46 hardik-Aspire-E5-573 dockerd[12461]: time="2025-10-17T09:47:46.854892664+05:30" level=info msg="Loading contain
```

**NOTE:** if docker is status is inactive run the command–

### sudo systemctl start docker