

To change the user name in Linux:

1. check your user name
>whoami
2. Create a temporary user
>sudo adduser tempadmin
3. Add the new user to sudoers
> sudo usermod -aG sudo tempadmin
4. Logout from the current user via GUI and login to tempadmin
5. In the terminal of tempadmin,
>sudo usermod -l 1rv24mc058_kumaraswamys
6. Now type the below command in original user after logging again via GUI:
>whoami

```
1rv24mc058_kumaraswamys@JARVIS:/usr/bin$ whoami
1rv24mc058_kumaraswamys
1rv24mc058_kumaraswamys@JARVIS:/usr/bin$ docker -v
Docker version 28.5.1, build e180ab8
1rv24mc058_kumaraswamys@JARVIS:/usr/bin$
```

7. Remove the temp user, delete it
>sudo deluser tempadmin
>sudo rm -r /home/tempadmin

TO INSTALL DOCKER USING APT REPO

1. 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_CODENAME}"} stable" | \
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
```

```
kumars@JARVIS: ~
Everything fades, so it's beautiful.
Love ages, memories stays, tomorrow is never promised so cherish every heartbeat, speak every kindness, leave no regret behind.
1rv24mc058_kumaraswamys@JARVIS:~$ # 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_CODENAME}"} stable" | \
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
[sudo] password for kumars:
Get:1 http://archive.ubuntu.com/ubuntu jammy-proposed InRelease [279 kB]
Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:3 https://download.docker.com/linux/ubuntu noble InRelease
Hit:4 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:5 https://repo.nongodb.org/apt/ubuntu noble/nongodb-org/8.0 InRelease
Hit:6 https://ppa.launchpadcontent.net/apt-fast/stable/ubuntu noble InRelease
Hit:7 https://ppa.launchpadcontent.net/graphics-drivers/ppa/ubuntu noble InRelease
Get:8 https://esm.ubuntu.com/apps/ubuntu noble-apps-security InRelease [7,613 B]
Hit:9 https://ppa.launchpadcontent.net/neovim-ppa/stable/ubuntu noble InRelease
Get:11 https://esm.ubuntu.com/apps/ubuntu noble-apps-updates InRelease [7,480 B]
Hit:12 http://archive.ubuntu.com/ubuntu noble InRelease
Get:13 https://esm.ubuntu.com/infra/ubuntu noble-infra-security InRelease [7,474 B]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:15 https://esm.ubuntu.com/infra/ubuntu noble-infra-updates InRelease [7,473 B]
Hit:16 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Get:17 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:18 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.2 kB]
Hit:19 https://brave-browser-apt-release.s3.brave.com stable InRelease
Hit:20 https://hub-dist.unity3d.com/artifactory/hub-debian-prod-local stable InRelease
Fetched 482 kB in 6s (74.3 kB/s)
Reading package lists... Done
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository 'https://brave-browser-apt-release.s3.brave.com stable InRelease' doesn't support architecture 'i386'
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (2024.0203).
curl is already the newest version (8.5.0-2ubuntu10.6).
0 upgraded, 0 newly installed, 0 to remove and 30 not upgraded.
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease
Hit:2 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:3 https://repo.nongodb.org/apt/ubuntu noble/nongodb-org/8.0 InRelease
Hit:4 https://ppa.launchpadcontent.net/apt-fast/stable/ubuntu noble InRelease
Hit:5 https://ppa.launchpadcontent.net/graphics-drivers/ppa/ubuntu noble InRelease
Hit:6 https://ppa.launchpadcontent.net/neovim-ppa/stable/ubuntu noble InRelease
Hit:7 https://esm.ubuntu.com/apps/ubuntu noble-apps-security InRelease
Hit:8 https://esm.ubuntu.com/apps/ubuntu noble-apps-updates InRelease
Hit:9 https://esm.ubuntu.com/infra/ubuntu noble-infra-security InRelease
Hit:10 https://esm.ubuntu.com/infra/ubuntu noble-infra-updates InRelease
Hit:11 https://esm.ubuntu.com/backports/ubuntu noble-backports InRelease
Hit:12 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:13 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:14 https://brave-browser-apt-release.s3.brave.com stable InRelease
Hit:15 https://hub-dist.unity3d.com/artifactory/hub-debian-prod-local stable InRelease
```

2. Install the Docker packages.

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

```
kumars@JARVIS:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-compose-plugin
0 upgraded, 5 newly installed, 0 to remove and 30 not upgraded.
Need to get 98.2 MB of archives.
After this operation, 421 MB of additional disk space will be used.
Get:1 https://download.docker.com/linux/ubuntu noble/stable amd64 containerd.io amd64 1.7.28-1-ubuntu.24.04-noble [31.9 MB]
Get:2 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce-cli amd64 5:28.5.1-1-ubuntu.24.04-noble [16.5 MB]
Get:3 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce amd64 5:28.5.1-1-ubuntu.24.04-noble [19.7 MB]
Get:4 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-buildx-plugin amd64 0.29.1-1-ubuntu.24.04-noble [15.9 MB]
Get:5 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-compose-plugin amd64 2.40.0-1-ubuntu.24.04-noble [14.2 MB]
Fetched 98.2 MB in 1min 1s (1.605 KB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 273520 files and directories currently installed.)
Preparing to unpack .../containerd.io_1.7.28-1-ubuntu.24.04-noble_and64.deb ...
Unpacking containerd.io (1.7.28-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../docker-ce-cli_5:28.5.1-1-ubuntu.24.04-noble_and64.deb ...
Unpacking docker-ce-cli (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../docker-ce_5:28.5.1-1-ubuntu.24.04-noble_and64.deb ...
Unpacking docker-ce (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-buildx-plugin.
Preparing to unpack .../docker-buildx-plugin_0.29.1-1-ubuntu.24.04-noble_and64.deb ...
Unpacking docker-buildx-plugin (0.29.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-compose-plugin.
Preparing to unpack .../docker-compose-plugin_2.40.0-1-ubuntu.24.04-noble_and64.deb ...
Unpacking docker-compose-plugin (2.40.0-1-ubuntu.24.04-noble) ...
Setting up docker-buildx-plugin (0.29.1-1-ubuntu.24.04-noble) ...
Setting up containerd.io (1.7.28-1-ubuntu.24.04-noble) ...
Setting up docker-compose-plugin (2.40.0-1-ubuntu.24.04-noble) ...
Setting up docker-ce-cli (5:28.5.1-1-ubuntu.24.04-noble) ...
Setting up docker-ce (5:28.5.1-1-ubuntu.24.04-noble) ...
Processing triggers for man-db (2.12.0-4build2) ...
kumars@JARVIS:~$
```

3. Check docker status

> sudo systemctl status docker

```
kumars@JARVIS:~$ 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 10:02:58 IST; 2min 4s ago
     TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 25660 (dockerd)
      Tasks: 17
     Memory: 23.5M (peak: 28.0M)
        CPU: 206ms
      CGroup: /system.slice/docker.service
              └─25660 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 17 10:02:57 JARVIS dockerd[25660]: time="2025-10-17T10:02:57.992512135+05:30" level=info msg="Creating a containerd client" address=/run/containerd/containerd.sock timeout=1m0s
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.001164931+05:30" level=info msg="[graphdriver] using prior storage driver: overlay2"
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.001719935+05:30" level=info msg="Loading containers: start."
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.598108690+05:30" level=info msg="Loading containers: done."
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.603362836+05:30" level=info msg="Docker daemon" commit=f8215cc containerd-snapshotter=false storage-driver=overlay2 version=
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.603393538+05:30" level=info msg="Initializing buildkit"
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.605367261+05:30" level=info msg="Completed buildkit initialization"
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.608687323+05:30" level=info msg="Daemon has completed initialization"
Oct 17 10:02:58 JARVIS dockerd[25660]: time="2025-10-17T10:02:58.608714630+05:30" level=info msg="API listen on /run/docker.sock"
Oct 17 10:02:58 JARVIS systemd[1]: Started docker.service - Docker Application Container Engine.

lines 1-22/22 (END)
```

4. Run a sample container

> sudo docker run hello-world

```
kumars@JARVIS:~$ sudo docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

kumars@JARVIS:~$
```