

To rename the username in Linux:

1. First check your current username:

> whoami

2. Create a temporary user account:

> sudo adduser tempadmin

3. Give the temporary user sudo access:

> sudo usermod -aG sudo tempadmin

4. Logout from the current account using GUI and login with tempadmin.

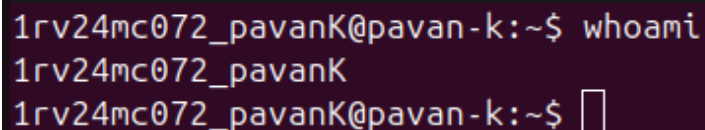
5. In the terminal of tempadmin, rename the original username:

> sudo usermod -l 1rv24mc072_pavank pavan-k

6. Logout from tempadmin and login back with the new username. Then confirm:

> whoami

(You should now see: 1rv24mc072_pavank)

A terminal window with a dark purple background. The prompt is '1rv24mc072_pavank@pavan-k:~\$'. The command 'whoami' has been entered, and the output '1rv24mc072_pavank' is displayed on the next line. The prompt is repeated on the third line.

```
1rv24mc072_pavank@pavan-k:~$ whoami
1rv24mc072_pavank
1rv24mc072_pavank@pavan-k:~$
```

7. Remove the temporary account:

> 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
```

```
1rv24mc072_pavanK@pavan-k:~$ # 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 1rv24mc072_pavanK:
Get:1 https://packages.microsoft.com/repos/code stable InRelease [3,590 B]
Get:2 https://packages.microsoft.com/repos/code stable/main armhf Packages [19.9 kB]
Get:3 https://packages.microsoft.com/repos/code stable/main arm64 Packages [19.9 kB]
Get:4 https://packages.microsoft.com/repos/code stable/main amd64 Packages [19.8 kB]
Hit:5 http://in.archive.ubuntu.com/ubuntu noble InRelease
Get:6 https://dl.google.com/linux/chrome/deb stable InRelease [1,025 B]
Get:7 https://dl.google.com/linux/chrome/deb stable/main amd64 Packages [1,208 B]
Get:8 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,217 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,498 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [288 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [202 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,748 B]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,978 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:20 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [2,084 kB]
Get:21 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [471 kB]
Get:22 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:23 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [544 B]
Get:24 http://in.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1,490 kB]
Get:25 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [450 kB]
Get:26 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:27 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [520 B]
Get:28 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [884 kB]
Get:29 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [196 kB]
Get:30 http://in.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [301 kB]
Get:31 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
```

2. Proceed with installing Docker packages.

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

```

1rv24nc072_pavanK@pavan-k:~$ 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
The following additional packages will be installed:
  docker-ce-rootless-extras libslirp0 pigz slirp4netns
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-ce-rootless-extras docker-compose-plugin libslirp0 pigz slirp4netns
0 upgraded, 9 newly installed, 0 to remove and 410 not upgraded.
Need to get 105 MB of archives.
After this operation, 436 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
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://lin.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [55.6 kB]
Get:3 https://lin.archive.ubuntu.com/ubuntu noble/main amd64 libslirp0 amd64 4.7.0-1ubuntu3 [63.0 kB]
Get:4 https://lin.archive.ubuntu.com/ubuntu noble/universe amd64 slirp4netns amd64 1.2.1-1build2 [34.9 kB]
Get:5 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:6 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:7 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:8 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce-rootless-extras amd64 5:28.5.1-1-ubuntu.24.04-noble [6.481 kB]
Get:9 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 105 MB in 47s (2,236 kB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 205273 files and directories currently installed.)
Preparing to unpack .../0-containerd.io_1.7.28-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking containerd.io (1.7.28-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../1-docker-ce-cli_5:28.5.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce-cli (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../2-docker-ce_5:28.5.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package pigz.
Preparing to unpack .../3-pigz_2.8-1_amd64.deb ...
Unpacking pigz (2.8-1) ...
Selecting previously unselected package docker-buildx-plugin.
Preparing to unpack .../4-docker-buildx-plugin_0.29.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-buildx-plugin (0.29.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce-rootless-extras.
Preparing to unpack .../5-docker-ce-rootless-extras_5:28.5.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-compose-plugin.
Preparing to unpack .../6-docker-compose-plugin_2.40.0-1-ubuntu.24.04-noble_amd64.deb ...

```

3. Verify Docker service status

> sudo systemctl status docker

```

1rv24nc072_pavanK@pavan-k:~$ 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 Wed 2025-10-15 15:27:44 IST; 24s ago
   TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 8874 (dockerd)
      Tasks: 18
     Memory: 23.2M (peak: 24.4M)
        CPU: 313ms
     CGroup: /system.slice/docker.service
             └─8874 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 15 15:27:43 pavan-k dockerd[8874]: time="2025-10-15T15:27:43.707080805+05:30" level=info msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so using resolv.conf: /run
Oct 15 15:27:43 pavan-k dockerd[8874]: time="2025-10-15T15:27:43.736177799+05:30" level=info msg="Creating a containerd client" address=/run/containerd/containerd.sock timeout=1m0s
Oct 15 15:27:43 pavan-k dockerd[8874]: time="2025-10-15T15:27:43.771937791+05:30" level=info msg="Loading containers: start."
Oct 15 15:27:44 pavan-k dockerd[8874]: time="2025-10-15T15:27:44.120293766+05:30" level=info msg="Loading containers: done."
Oct 15 15:27:44 pavan-k dockerd[8874]: time="2025-10-15T15:27:44.148880911+05:30" level=info msg="Docker daemon" commit=f8215cc containerd-snapshotter=false storage-driver=overlay2 ve
Oct 15 15:27:44 pavan-k dockerd[8874]: time="2025-10-15T15:27:44.141004879+05:30" level=info msg="Initializing buildkit"
Oct 15 15:27:44 pavan-k dockerd[8874]: time="2025-10-15T15:27:44.172386591+05:30" level=info msg="Completed buildkit initialization"
Oct 15 15:27:44 pavan-k dockerd[8874]: time="2025-10-15T15:27:44.176606750+05:30" level=info msg="Daemon has completed initialization"
Oct 15 15:27:44 pavan-k dockerd[8874]: time="2025-10-15T15:27:44.176697823+05:30" level=info msg="API listen on /run/docker.sock"
Oct 15 15:27:44 pavan-k systemd[1]: Started docker.service - Docker Application Container Engine.

```

4. Launch a test container

> sudo docker run hello-world

```

1rv24nc072_pavanK@pavan-k:~$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:6dc565aa63092705211f823c303948cf83670a3903ffa3849f1488ab51f7891
Status: Downloaded newer image for hello-world:latest

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/

```

