

CHANGE USERNAME ON LINUX

Create a temporary admin user if you don't have one:

```
> sudo adduser tempadmin
```

```
> sudo usermod -aG sudo tempadmin
```

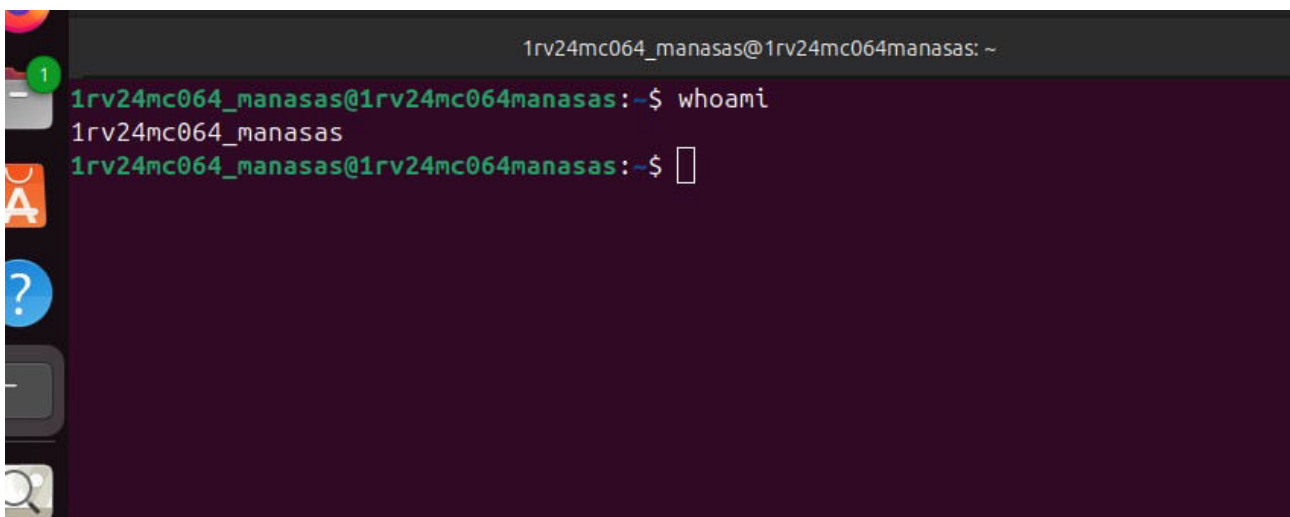
Log out of your current account and log in as **tempadmin**.

- Now run the username change commands:

```
> sudo usermod -l newname oldname
```

```
> sudo usermod -d /home/newname -m newname
```

```
> sudo groupmod -n newname oldname
```

A terminal window with a dark purple background. The title bar shows '1rv24mc064_manasas@1rv24mc064manasas: ~'. The prompt is '1rv24mc064_manasas@1rv24mc064manasas: ~\$'. The user has entered 'whoami' and the output is '1rv24mc064_manasas'. The prompt is now '1rv24mc064_manasas@1rv24mc064manasas: ~\$' with a cursor. On the left side of the terminal, there is a vertical dock with several icons: a green circle with '1', a red circle with 'A', a blue circle with '?', a grey rectangle, and a magnifying glass.

```
1rv24mc064_manasas@1rv24mc064manasas: ~$ whoami
1rv24mc064_manasas
1rv24mc064_manasas@1rv24mc064manasas: ~$
```

INSTALL DOCKER USING APT REPO

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
```

```
Oct 15 21:46
1rv24mc064_manasas@1rv24mc064manasas: ~
1rv24mc064_manasas@1rv24mc064manasas:~$ # 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 1rv24mc064_manasas:
Get:1 https://deb.nodesource.com/node_18.x nodistro InRelease [12.1 kB]
Get:2 https://deb.nodesource.com/node_18.x nodistro/main amd64 Packages [11.6 kB]
Ign:3 http://security.ubuntu.com/ubuntu oracular-security InRelease
Get:4 https://dl.google.com/linux/chrome/deb stable InRelease [1,825 B]
Ign:5 http://in.archive.ubuntu.com/ubuntu oracular InRelease
Err:6 http://security.ubuntu.com/ubuntu oracular-security Release
404 Not Found [IP: 91.189.91.83 80]
Hit:7 https://ppa.launchpadcontent.net/gns3/ppa/ubuntu oracular InRelease
Ign:8 http://in.archive.ubuntu.com/ubuntu oracular-updates InRelease
Get:9 https://dl.google.com/linux/chrome/deb stable/main amd64 Packages [1,208 B]
Ign:10 http://in.archive.ubuntu.com/ubuntu oracular-backports InRelease
Err:11 http://in.archive.ubuntu.com/ubuntu oracular Release
404 Not Found [IP: 185.125.190.83 80]
Err:12 http://in.archive.ubuntu.com/ubuntu oracular-updates Release
404 Not Found [IP: 185.125.190.83 80]
Err:13 http://in.archive.ubuntu.com/ubuntu oracular-backports Release
404 Not Found [IP: 185.125.190.83 80]
Get:14 https://brave-browser-apt-release.s3.brave.com stable InRelease [7,546 B]
Get:15 https://brave-browser-apt-release.s3.brave.com stable/main amd64 Packages [24.5 kB]
Get:16 https://brave-browser-apt-release.s3.brave.com stable/main arm64 Packages [24.3 kB]
Reading package lists... Done
E: The repository 'http://security.ubuntu.com/ubuntu oracular-security Release' no longer has a Release file.
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.
E: The repository 'http://in.archive.ubuntu.com/ubuntu oracular Release' no longer has a Release file.
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.
E: The repository 'http://in.archive.ubuntu.com/ubuntu oracular-updates Release' no longer has a Release file.
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.
E: The repository 'http://in.archive.ubuntu.com/ubuntu oracular-backports Release' no longer has a Release file.
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.
```

TO CHECK STATUS

```
1rv24mc064_manasas@1rv24mc064manasas:~$ 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 20:14:13 IST; 1h 42min ago
     Invocation: a05aeafc543743268e6c3ca961ad87f
   TriggeredBy: ● docker.socket
    Docs: https://docs.docker.com
   Main PID: 2499 (dockerd)
      Tasks: 17
     Memory: 75.2M (peak: 102.5M swap: 4K swap peak: 4K)
        CPU: 1.685s
       CGroup: /system.slice/docker.service
               └─2499 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 15 20:14:12 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:12.846826433+05:30" level=info msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so using resolv
Oct 15 20:14:12 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:12.887475072+05:30" level=info msg="[graphdriver] using prior storage driver: overlay2"
Oct 15 20:14:12 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:12.888440159+05:30" level=info msg="Loading containers: start."
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.251376098+05:30" level=info msg="Default bridge (docker0) is assigned with an IP address 172.17.0.0/16. Daem
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.403708177+05:30" level=info msg="Loading containers: done."
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.418336533+05:30" level=info msg="Docker daemon" commit="27.5.1-0ubuntu3-24.10.1" containerd-snapshotter=fal
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.418692943+05:30" level=info msg="Daemon has completed initialization"
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.445581212+05:30" level=info msg="API listen on /run/docker.sock"
Oct 15 20:14:13 1rv24mc064manasas systemd[1]: Started docker.service - Docker Application Container Engine.
Oct 15 21:45:25 1rv24mc064manasas dockerd[2499]: time="2025-10-15T21:45:25.922972681+05:30" level=info msg="ignoring event" container=b85cbb97981891a2d3396c5f13eed425b7b355d25482624a2
lines 1-23/23 (END)
```

ENABLE DOCKER

```
1rv24mc064_manasas@1rv24mc064manasas:~$ sudo systemctl enable docker.service
sudo systemctl enable containerd.service
1rv24mc064_manasas@1rv24mc064manasas:~$ 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 20:14:13 IST; 37min ago
     Invocation: a05aeafc543743268e6c3ca961ad87f
   TriggeredBy: ● docker.socket
    Docs: https://docs.docker.com
   Main PID: 2499 (dockerd)
      Tasks: 10
     Memory: 92.1M (peak: 94.7M)
        CPU: 730ms
       CGroup: /system.slice/docker.service
               └─2499 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 15 20:14:12 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:12.846826433+05:30" level=info msg="OTEL tracing is not configured, using no-op tracer provider"
Oct 15 20:14:12 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:12.846866253+05:30" level=info msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so using resolv
Oct 15 20:14:12 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:12.887475072+05:30" level=info msg="[graphdriver] using prior storage driver: overlay2"
Oct 15 20:14:12 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:12.888440159+05:30" level=info msg="Loading containers: start."
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.251376098+05:30" level=info msg="Default bridge (docker0) is assigned with an IP address 172.17.0.0/16. Daem
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.403708177+05:30" level=info msg="Loading containers: done."
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.418336533+05:30" level=info msg="Docker daemon" commit="27.5.1-0ubuntu3-24.10.1" containerd-snapshotter=fal
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.418692943+05:30" level=info msg="Daemon has completed initialization"
Oct 15 20:14:13 1rv24mc064manasas dockerd[2499]: time="2025-10-15T20:14:13.445581212+05:30" level=info msg="API listen on /run/docker.sock"
Oct 15 20:14:13 1rv24mc064manasas systemd[1]: Started docker.service - Docker Application Container Engine.
lines 1-23/23 (END)
```

RUN SAMPLE CONTAINER

```
1rv24mc064_manasas@1rv24mc064manasas:~$ sudo docker run hello-world
[sudo] password for 1rv24mc064_manasas:
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:6dc565aa630927052111f823c303948cf83670a3903ffa3849f1488ab517f091
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/
```