

DEVOPS

TO CHANGE THE USER NAME IN LINUX

STEP 1: Check you user name in the terminal

> whoami

STEP 2: Create a temporary user

> sudo adduser Temp

```
chinmayi-m-h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx: ~  
(base) chinmayi-m-h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ whoami  
chinmayi-m-h  
(base) chinmayi-m-h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo adduser --allow-bad-names Temp  
info: Allowing use of questionable username.  
info: Adding user 'Temp' ...  
info: Selecting UID/GID from range 1000 to 59999 ...  
info: Adding new group 'Temp' (1002) ...  
info: Adding new user 'Temp' (1002) with group 'Temp (1002)' ...  
warn: The home directory '/home/Temp' already exists. Not touching this directory.  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
passwd: password updated successfully  
Changing the user information for Temp  
Enter the new value, or press ENTER for the default  
    Full Name []:  
    Room Number []:  
    Work Phone []:  
    Home Phone []:  
    Other []:  
Is the information correct? [Y/n] y  
info: Adding new user 'Temp' to supplemental / extra groups 'users' ...  
info: Adding user 'Temp' to group 'users' ...  
(base) chinmayi-m-h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$
```

STEP 3: Give the sudo user permissions to the created user

> sudo usermod -aG sudo Temp

```
(base) chinmayi-m-h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo usermod -aG sudo Temp  
[sudo] password for chinmayi-m-h:
```

STEP 4: Logout from the current user via GUI then login to the created user “Temp”. Open the terminal and type

> whoami

STEP 5: Then change the user name of the existing user with the user “Temp”

> sudo usermod -l 1RV24MC030_chinmayi_m_h chinmayi-m-h

```
Terminal  
Temp@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ whoami  
Temp  
Temp@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo usermod -l 1RV24MC030_chinmayi_m_h chinmayi-m-h  
[sudo] password for Temp:  
Temp@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$
```

STEP 6: Now logout from Temp and login to the first user open the etrminal, then you see the user name has changed to 1RV24MC030_chinmayi_m_h

> whoami

```
1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx: ~
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ whoami
1RV24MC030_chinmayi_m_h
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$
```

STEP 7: Remove the user Temp and delete it

> sudo deluser Temp

> sudo rm -r /home/Temp

```
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo (base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo deluser Temp
Info: Removing crontab ...
Info: Removing user 'Temp' ...
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo rm -r /home/Temp
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$
```

TO INSTALL DOCKER USING APT REPO

STEP 1: Update the System

> sudo apt update && sudo apt upgrade -y

STEP 2: Install required packages

> sudo apt install apt-transport-https ca-certificates curl software-properties-common -y

```
1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx: ~
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo apt-get update -y
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease
Hit:2 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:3 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:5 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:6 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:7 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu noble InRelease
Reading package lists... Done
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo apt install apt-transport-https ca-certificates curl software-properties-common -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20240203).
curl is already the newest version (8.5.0-2ubuntu10.6).
The following packages were automatically installed and are no longer required:
  docker-ce-rootless-extras libslirp0 pigz slirp4netns
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  apt-transport-https
The following packages will be upgraded:
  python3-software-properties software-properties-common
  software-properties-gtk
3 upgraded, 1 newly installed, 0 to remove and 203 not upgraded.
Need to get 132 kB of archives.
After this operation, 36.9 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu noble-updates/universe amd64 apt-transport-https all 2.8.3 [3,970 B]
Get:2 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 software-properties-common all 0.99.49.3 [14.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 software-properties-gtk all 0.99.49.3 [83.2 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 python3-software-properties all 0.99.49.3 [29.9 kB]
Fetched 132 kB in 12s (11.1 kB/s)
Selecting previously unselected package apt-transport-https.
(Reading database ... 242441 files and directories currently installed.)
Preparing to unpack .../apt-transport-https_2.8.3_all.deb ...
Unpacking apt-transport-https (2.8.3) ...
Preparing to unpack .../software-properties-common_0.99.49.3_all.deb ...
Unpacking software-properties-common (0.99.49.3) over (0.99.49.2) ...
Preparing to unpack .../software-properties-gtk_0.99.49.3_all.deb ...
Unpacking software-properties-gtk (0.99.49.3) over (0.99.49.2) ...
Preparing to unpack .../python3-software-properties_0.99.49.3_all.deb ...
Unpacking python3-software-properties (0.99.49.3) over (0.99.49.2) ...
Setting up apt-transport-https (2.8.3) ...
Setting up python3-software-properties (0.99.49.3) ...
Setting up software-properties-common (0.99.49.3) ...
Setting up software-properties-gtk (0.99.49.3) ...
```

STEP 3: Add Docker's official GPG key

```
> curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

```
1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$  
Setting up software-properties-gtk (0.99.49.3) ...  
Processing triggers for libgl1:amd64 (2.80.0-6ubuntu3.4) ...  
Processing triggers for dbus (1.14.0-4ubuntu1) ...  
Processing triggers for shared-mime-info (2.4-4) ...  
Processing triggers for desktop-file-utils (0.27-2build1) ...  
Processing triggers for hicolor-icon-theme (0.17-2) ...  
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...  
Processing triggers for man-db (2.12.0-4build2) ...  
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-a  
rchive-keyring.gpg  
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ echo \  
"deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] \  
https://download.docker.com/linux/ubuntu \  
$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null  
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo apt update  
Hit:1 https://dl.google.com/linux/chrome/deb stable InRelease  
Hit:2 https://download.docker.com/linux/ubuntu noble InRelease  
Hit:3 http://in.archive.ubuntu.com/ubuntu noble InRelease  
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease  
Hit:5 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease  
Hit:6 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease  
Hit:7 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu noble InRelease  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
203 packages can be upgraded. Run 'apt list --upgradable' to see them.  
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo apt install docker-ce docker-ce-cli containerd.io -y  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  docker-compose-plugin  
Suggested packages:  
  cgroupfs-mount | cgroup-lite docker-model-plugin  
The following NEW packages will be installed:  
  containerd.io docker-ce docker-ce-cli docker-compose-plugin  
0 upgraded, 4 newly installed, 0 to remove and 203 not upgraded.  
Need to get 0 B/82.3 MB of archives.  
After this operation, 343 MB of additional disk space will be used.  
Selecting previously unselected package containerd.io.  
(Reading database ... 242445 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%3a28.5.1-1-ubuntu.24.04-noble_and64.deb
```

STEP 4: Add the Docker repository

```
> echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-  
keyring.gpg] \  
https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee  
/etc/apt/sources.list.d/docker.list > /dev/null  
> sudo apt update
```

STEP 5: Install Docker

```
> sudo apt install docker-ce docker-ce-cli containerd.io -y
```

STEP 6: Start and enable Docker service

```
> sudo systemctl start docker  
> sudo systemctl enable docker
```

STEP 7: Check the Status

```
> sudo systemctl status docker
```

```

1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx: ~
...
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%3a28.5.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-compose-plugin.
Preparing to unpack .../docker-compose-plugin_2.40.0-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-compose-plugin (2.40.0-1-ubuntu.24.04-noble) ...
Setting up containerd.io (1.7.28-1-ubuntu.24.04-noble) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /usr/lib/systemd/system/containerd.service.
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) ...
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.
Processing triggers for man-db (2.12.0-4build2) ...
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: e
   Active: active (running) since Fri 2025-10-17 16:06:52 IST; 3s ago
   TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 9406 (dockerd)
       Tasks: 18
      Memory: 22.0M (peak: 24.9M)
         CPU: 418ms
    CGroup: /system.slice/docker.service
            └─9406 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont

Oct 17 16:06:51 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time="
Oct 17 16:06:51 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time="
Oct 17 16:06:51 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time="
Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time="
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Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time="
Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time="
Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time="
Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx systemd[1]: Started d

```

STEP 8: Allow your user to run Docker without sudo

> sudo usermod -aG docker 1rv24mc030_chinmayimh

```

(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo usermod -aG docker 1RV24MC030_chinmayi_m_h
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ docker --version
Docker version 28.5.1, build e180ab8

```

STEP 9: Verify installation

> docker --version

STEP 10: Run a test container

> docker run hello-world

```

(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:6dc565aa63092705211f823c303948cf83670a3903ffa3849f1488ab517f891
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/

(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$

```