

To change the username in the Ubuntu

Step 1: check current username and details

Command: **whoami**

```
1rv24mc041_harsham@HARSHA:~/Desktop$ whoami
1rv24mc041_harsham
1rv24mc041_harsham@HARSHA:~/Desktop$
```

Step 2: change the username

```
harsha@HARSHA:~$ sudo adduser --force-badname 1rv24mc041_harsham
info: Allowing use of questionable username.
info: Adding user `1rv24mc041_harsham' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `1rv24mc041_harsham' (1002) ...
info: Adding new user `1rv24mc041_harsham' (1002) with group `1rv24mc041_harsham (1002)' ...
info: Creating home directory `/home/1rv24mc041_harsham' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for 1rv24mc041_harsham
Enter the new value, or press ENTER for the default
  Full Name []: HARSHAM
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] Y
info: Adding new user `1rv24mc041_harsham' to supplemental / extra groups `users' ...
info: Adding user `1rv24mc041_harsham' to group `users' ...
harsha@HARSHA:~$
```

To Install the Docker

System Preparation

Before installing Docker, it is essential to ensure that the system packages are updated and that any previous versions of Docker (if installed) are removed. This helps prevent conflicts and ensures a smooth installation. `sudo apt update` `sudo apt upgrade` `sudo apt remove docker docker-engine docker.io containerd runc`

Setting Up Docker Repository

The next step involves setting up the **Docker APT repository** on the system. This allows Ubuntu to download and install Docker packages directly from Docker's official repository.

```
root@HARSHA:~# apt install docker-ce docker-ce-cli containerd.io
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  liblvm2
Use 'apt autoremove' to remove it.
The following additional packages will be installed:
  docker-buildx-plugin docker-ce-rootless-extras docker-compose-plugin 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 23 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] 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 http://in.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu noble/main amd64 liberror-perl all 0.17029-2 [25.6 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 git-man all 1:2.43.0-1ubuntu7.3 [1,100 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 git amd64 1:2.43.0-1ubuntu7.3 [3,680 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libslirp0 amd64 4.7.0-1ubuntu3 [63.8 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu noble/universe amd64 slirp4netns amd64 1.2.1-1build2 [34.9 kB]
Get:8 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:9 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:10 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:11 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:12 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 110 MB in 1min 47s (1,025 kB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 152647 files and directories currently installed.)
Preparing to unpack .../00-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 .../01-docker-ce-cli_5%3a28.5.1-1-ubuntu.24.04-noble_amd64.d
eb ...
```

Adding Docker's Official GPG Key

The following command downloads Docker's official GPG key and saves it into the syste

```
root@HARSHA:~# echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg]
" > /etc/apt/sources.list.d/docker.list
root@HARSHA:~#

root@HARSHA:~# curl -fsSL https://download.docker.com/linux/ubuntu/gpg | gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
root@HARSHA:~#
```

Adding Docker Repository to APT Sources

Next, the repository URL is added to the APT source list so that Ubuntu can fetch Docker packages:

```
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" |
```

```
\
```

```
root@HARSHA:~# docker --version  
Docker version 28.5.1, build e180ab8  
root@HARSHA:~#
```

```
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

Once the installation completes successfully, the Docker service starts automatically. To verify whether Docker is properly installed and running.