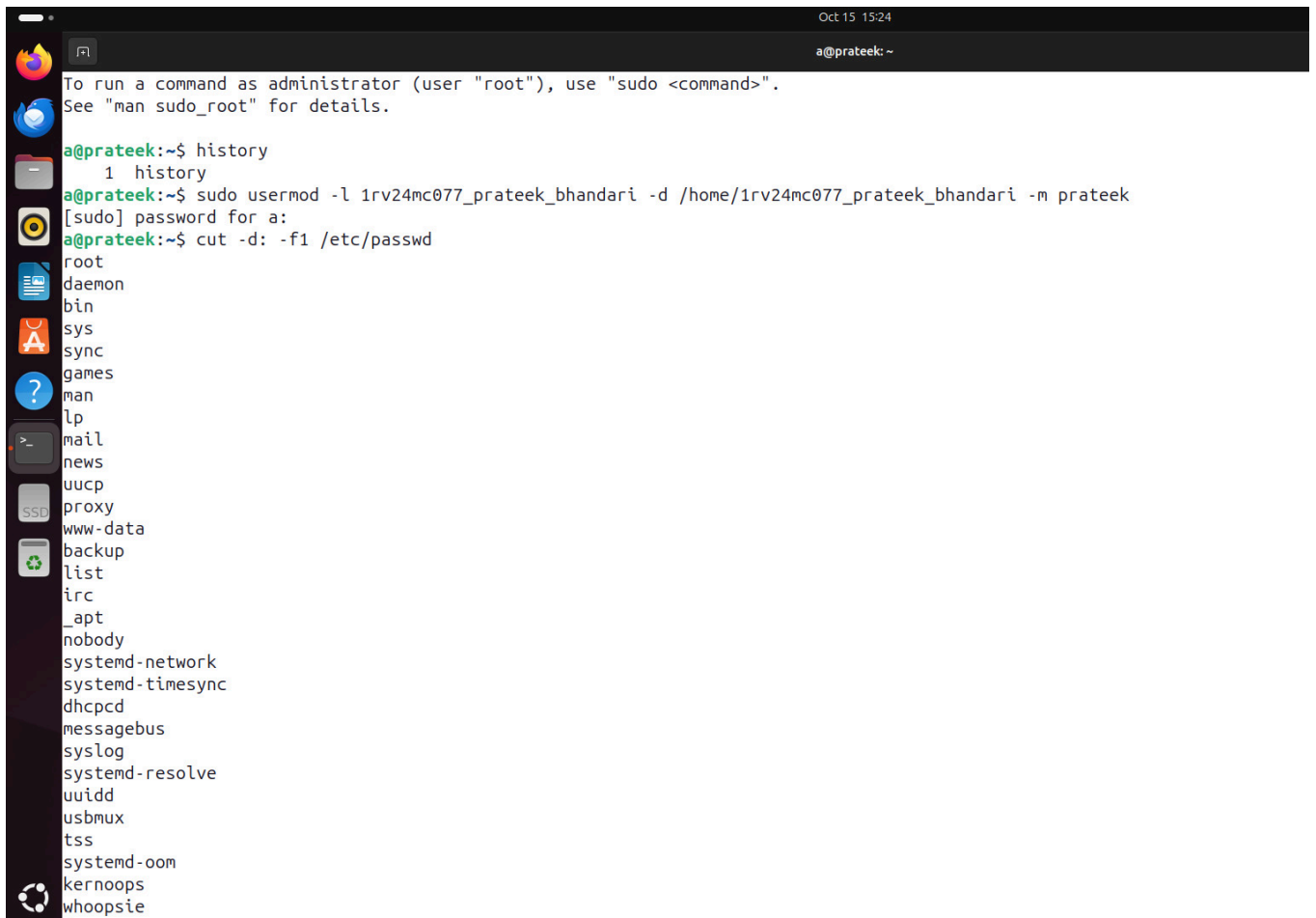


# Docker

## 1. Changing Username

> Created a new user “a”

> Given root access to user “a” Logged in to user “a” and changed user name from “prateek” to “1rv24mc077\_prateek\_bhandari”



```
Oct 15 15:24
a@prateek: ~
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
a@prateek:~$ history
1 history
a@prateek:~$ sudo usermod -l 1rv24mc077_prateek_bhandari -d /home/1rv24mc077_prateek_bhandari -m prateek
[sudo] password for a:
a@prateek:~$ cut -d: -f1 /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
_apt
nobody
systemd-network
systemd-timesync
dhcpcd
messagebus
syslog
systemd-resolve
uidd
usbmux
tss
systemd-oom
kernoops
whoopsie
```

```
Oct 15 15:41
1rv24mc077_prateek_bhandari@prateek: ~
1rv24mc077_prateek_bhandari@prateek:~$ pwd
/home/1rv24mc077_prateek_bhandari
1rv24mc077_prateek_bhandari@prateek:~$ sudo userdel a
userdel: user a is currently used by process 2751
1rv24mc077_prateek_bhandari@prateek:~$ sudo kill -u a
1rv24mc077_prateek_bhandari@prateek:~$ sudo userdel a
1rv24mc077_prateek_bhandari@prateek:~$
```

## 2.Changing user name

> deleted temporary user

> updated system

```
Oct 15 15:52
1rv24mc077_prateek_bhandari@prateek: ~
1rv24mc077_prateek_bhandari@prateek:~$ whoami
1rv24mc077_prateek_bhandari
1rv24mc077_prateek_bhandari@prateek:~$ sudo apt-get update
Get:1 https://download.docker.com/linux/ubuntu noble InRelease [48.5 kB]
Get:2 https://dl.google.com/linux/chrome/deb stable InRelease [1,825 B]
Get:3 https://download.docker.com/linux/ubuntu noble/stable amd64 Packages [33.0 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 https://dl.google.com/linux/chrome/deb stable/main amd64 Packages [1,208 B]
Hit:6 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:7 https://ppa.launchpadcontent.net/gns3/ppa/ubuntu noble InRelease
Ign:8 https://releases.warp.dev/linux/deb stable InRelease
Get:9 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:10 https://releases.warp.dev/linux/deb stable Release [4,008 B]
Get:11 https://releases.warp.dev/linux/deb stable Release.gpg [833 B]
Get:12 https://releases.warp.dev/linux/deb stable/main amd64 Packages [1,168 B]
Get:13 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,217 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/main i386 Packages [537 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/main i386 Packages [335 kB]
Get:17 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,498 kB]
Get:18 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [288 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [202 kB]
Get:20 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:21 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:22 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [2,084 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [471 kB]
Get:24 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:25 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,748 B]
Get:26 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:27 http://archive.ubuntu.com/ubuntu noble-updates/universe i386 Packages [985 kB]
Get:28 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1,490 kB]
Get:29 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,978 kB]
Get:30 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [301 kB]
Get:31 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:32 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.2 kB]
Get:33 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:34 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7,148 B]
```

### 3.Installing Docker

>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

```
Oct 15 15:53
1rv24mc077_prateek_bhandari@prateek: ~
1rv24mc077_prateek_bhandari@prateek: ~
1rv24mc077_prateek_bhandari@prateek: ~

1rv24mc077_prateek_bhandari@prateek:~$ # 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
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://archive.ubuntu.com/ubuntu noble InRelease
Get:5 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Ign:6 https://releases.warp.dev/linux/deb stable InRelease
Hit:7 https://releases.warp.dev/linux/deb stable Release
Hit:8 https://ppa.launchpadcontent.net/gns3/ppa/ubuntu noble InRelease
Hit:10 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/main i386 Packages [537 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,498 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/universe i386 Packages [985 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1,490 kB]
Fetched 4,636 kB in 7s (651 kB/s)
Reading package lists... Done
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).
0 upgraded, 0 newly installed, 0 to remove and 102 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 http://archive.ubuntu.com/ubuntu noble InRelease
```

#### 4.Install the Docker packages.

>sudo apt-get install docker-ce docker-ce-cli [containerd.io](https://containerd.io)  
docker-buildx-plugin docker-compose-plugin

```
1rv24mc077_prateek_bhandari@prateek:~$ 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 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 pigz slirp4netns
0 upgraded, 8 newly installed, 0 to remove and 102 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 http://archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:3 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:4 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:5 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-buildx-plugin amd64 0.29.1-1-ubuntu.24.04-noble [15.9 MB]
Ign:2 http://archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1
Get:6 http://archive.ubuntu.com/ubuntu noble/universe amd64 slirp4netns amd64 1.2.1-1build2 [34.9 kB]
Get:2 http://archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:7 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:8 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 56s (1,884 kB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 245628 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%3a28.5.1-1-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%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 pigz.
Preparing to unpack .../3-pigz_2.8-1_amd64.deb ...
```