# Changing User on Linux

## To check username on linux

```
kishan@kishan-LOQ-15IAX9:~$ whoami
kishan
```

## Create a new User

```
kishan@kishan-LOQ-15IAX9:~$ sudo adduser 1rv24mc055_kishan_s --allow-bad-names
info: Allowing use of questionable username.
info: Adding user `1rv24mc055_kishan_s' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `1rv24mc055_kishan_s' (1001) ...
info: Adding new user `1rv24mc055_kishan_s' (1001) with group `1rv24mc055_kishan_s (1001)
info: Creating home directory `/home/1rv24mc055_kishan_s' ...
info: Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
Changing the user information for 1rv24mc055_kishan_s
Enter the new value, or press ENTER for the default
        Full Name []: Kishan S
        Room Number []: 210
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
info: Adding new user `1rv24mc055_kishan_s' to supplemental / extra groups `users' ...
info: Adding user `1rv24mc055_kishan_s' to group `users' ...
```

## Add the new users to the sudoers

```
kishan@kishan-LOQ-15IAX9:~$      sudo usermod -aG sudo 1rv24mc055_kishan_s
```

## Logout the current user  and login to the new user

```
kishan@kishan-LOQ-15IAX9:~$ su - 1rv24mc055_kishan_s
Password:
```

## Check the current user
>whoami

```
1rv24mc055_kishan_s@kishan-LOQ-15IAX9:~$ whoami
1rv24mc055_kishan_s
```

# Installing Docker

**Setup Dockers 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

```
1rv24mc055_kishan_s@kishan-LOQ-15IAX9:~$ # 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://packages.microsoft.com/repos/code stable InRelease
Hit:3 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:5 https://esm.ubuntu.com/apps/ubuntu noble-apps-security InRelease
Hit:6 https://esm.ubuntu.com/apps/ubuntu noble-apps-updates InRelease
Hit:7 https://esm.ubuntu.com/infra/ubuntu noble-infra-security InRelease
Hit:8 https://esm.ubuntu.com/infra/ubuntu noble-infra-updates InRelease
Hit:9 http://archive.ubuntu.com/ubuntu noble InRelease
```

**Install the docker Packages**

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

```
1rv24mc055_kishan_s@kishan-LOQ-15IAX9:~$ 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
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin
The following packages will be upgraded:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-ce-rootless-extras docker-compose-plugin
6 upgraded, 0 newly installed, 0 to remove and 226 not upgraded.
Need to get 105 MB of archives.
After this operation, 7,361 kB 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 docker-ce-cli amd64 5:28.5.1-1~ubuntu.24.04~noble [16.5 MB]
Get:2 https://download.docker.com/linux/ubuntu noble/stable amd64 containerd.io amd64 1.7.28-1~ubuntu.24.04~noble [31.9 MB]
Get:3 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:4 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:5 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:6 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 2min 25s (722 kB/s)
(Reading database ... 252782 files and directories currently installed.)
Preparing to unpack .../0-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) over (5:28.3.2-1~ubuntu.24.04~noble) ...
Preparing to unpack .../1-containerd.io_1.7.28-1~ubuntu.24.04~noble_amd64.deb ...
Unpacking containerd.io (1.7.28-1~ubuntu.24.04~noble) over (1.7.27-1) ...
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) over (5:28.3.2-1~ubuntu.24.04~noble) ...
Preparing to unpack .../3-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) over (0.25.0-1~ubuntu.24.04~noble) ...
Preparing to unpack .../4-docker-ce-rootless-extras_5%3a28.5.1-1~ubuntu.24.04~noble_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:28.5.1-1~ubuntu.24.04~noble) over (5:28.3.2-1~ubuntu.24.04~noble) ...
Preparing to unpack .../5-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) over (2.38.2-1~ubuntu.24.04~noble) ...
Setting up docker-buildx-plugin (0.29.1-1~ubuntu.24.04~noble) ...
Setting up containerd.io (1.7.28-1~ubuntu.24.04~noble) ...
containerd.service is a disabled or a static unit not running, not starting it.
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-rootless-extras (5:28.5.1-1~ubuntu.24.04~noble) ...
Setting up docker-ce (5:28.5.1-1~ubuntu.24.04~noble) ...
docker.service is a disabled or a static unit not running, not starting it.
docker.socket is a disabled or a static unit not running, not starting it.
Processing triggers for man-db (2.12.0-4build2) ...
```

docker-compose-plugin

**Check docker status**
**Sudo systemctl status docker**

```
1rv24mc055_kishan_s@kishan-LOQ-15IAX9:~$ 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 Fri 2025-10-17 15:43:42 IST; 28s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 14984 (dockerd)
      Tasks: 17
     Memory: 22.1M (peak: 25.7M)
        CPU: 450ms
     CGroup: /system.slice/docker.service
             └─14984 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 17 15:43:41 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:41.880394957+05:30" level=info msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so using resolv.conf:>
Oct 17 15:43:41 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:41.894106059+05:30" level=info msg="Creating a containerd client" address=/run/containerd/containerd.sock timeout=1m>
Oct 17 15:43:42 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:42.005745833+05:30" level=info msg="Loading containers: start."
Oct 17 15:43:42 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:42.687621678+05:30" level=info msg="Loading containers: done."
Oct 17 15:43:42 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:42.717194556+05:30" level=info msg="Docker daemon" commit=f8215cc containerd-snapshotter=false storage-driver=overla>
Oct 17 15:43:42 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:42.717389814+05:30" level=info msg="Initializing buildkit"
Oct 17 15:43:42 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:42.760602554+05:30" level=info msg="Completed buildkit initialization"
Oct 17 15:43:42 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:42.765830158+05:30" level=info msg="Daemon has completed initialization"
Oct 17 15:43:42 kishan-LOQ-15IAX9 dockerd[14984]: time="2025-10-17T15:43:42.765917092+05:30" level=info msg="API listen on /run/docker.sock"
Oct 17 15:43:42 kishan-LOQ-15IAX9 systemd[1]: Started docker.service - Docker Application Container Engine.
lines 1-22/22 (END)
```