

## Docker Installation

1. Create new user (rv24mc053\_kavya):

```
kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ sudo usermod -aG sudo rv24mc053_kavya
kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ grep 'rv24mc053_kavya' /etc/passwd
rv24mc053_kavya:x:1002:1002:,,,:/home/rv24mc053_kavya:/bin/bash
kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ su - rv24mc053_kavya
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

rv24mc053_kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ whoami
rv24mc053_kavya
```

2. Install docker:

- 1) First update the system : **sudo apt-get update**

```
rv24mc053_kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ whoami
rv24mc053_kavya
rv24mc053_kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ sudo apt-get update
[sudo] password for rv24mc053_kavya:
Get:1 https://download.docker.com/linux/ubuntu noble InRelease [48.5 kB]
Get:2 https://download.docker.com/linux/ubuntu noble/stable amd64 Packages [33.0 kB]
Get:3 https://packages.microsoft.com/repos/code stable InRelease [3,590 B]
Hit:4 http://in.archive.ubuntu.com/ubuntu noble InRelease
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 https://packages.microsoft.com/repos/code stable/main arm64 Packages [20.0 kB]
Get:7 https://packages.microsoft.com/repos/code stable/main amd64 Packages [19.9 kB]
Get:8 https://packages.microsoft.com/repos/code stable/main armhf Packages [20.0 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Hit:10 https://ppa.launchpadcontent.net/gns3/ppa/ubuntu noble InRelease
Get:11 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,222 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,498 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [204 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,968 B]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,978 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [288 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:20 http://in.archive.ubuntu.com/ubuntu noble-updates/main Icons (48x48) [36.0 kB]
```

II) Now install docker using command : **sudo apt-get install -y docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin**

```
rv24mc053_kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ sudo apt-get install -y 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 568 not upgraded.
Need to get 185 MB of archives.
After this operation, 436 MB of additional disk space will be used.
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/universe amd64 slirp4netns amd64 1.2.1-1build2 [34.9 kB]
Get:4 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:5 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:6 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: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]
5:28.5.1-1-ubuntu.24.04-noble [14.2 MB]
```

III) After installing docker to check whether docker installed or not check for it version using **docker --version**

```
rv24mc053_kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$ docker --version
Docker version 28.5.1, build e180ab8
rv24mc053_kavya@kavya-Victus-by-HP-Gaming-Laptop-15-fa1xxx:~$
```