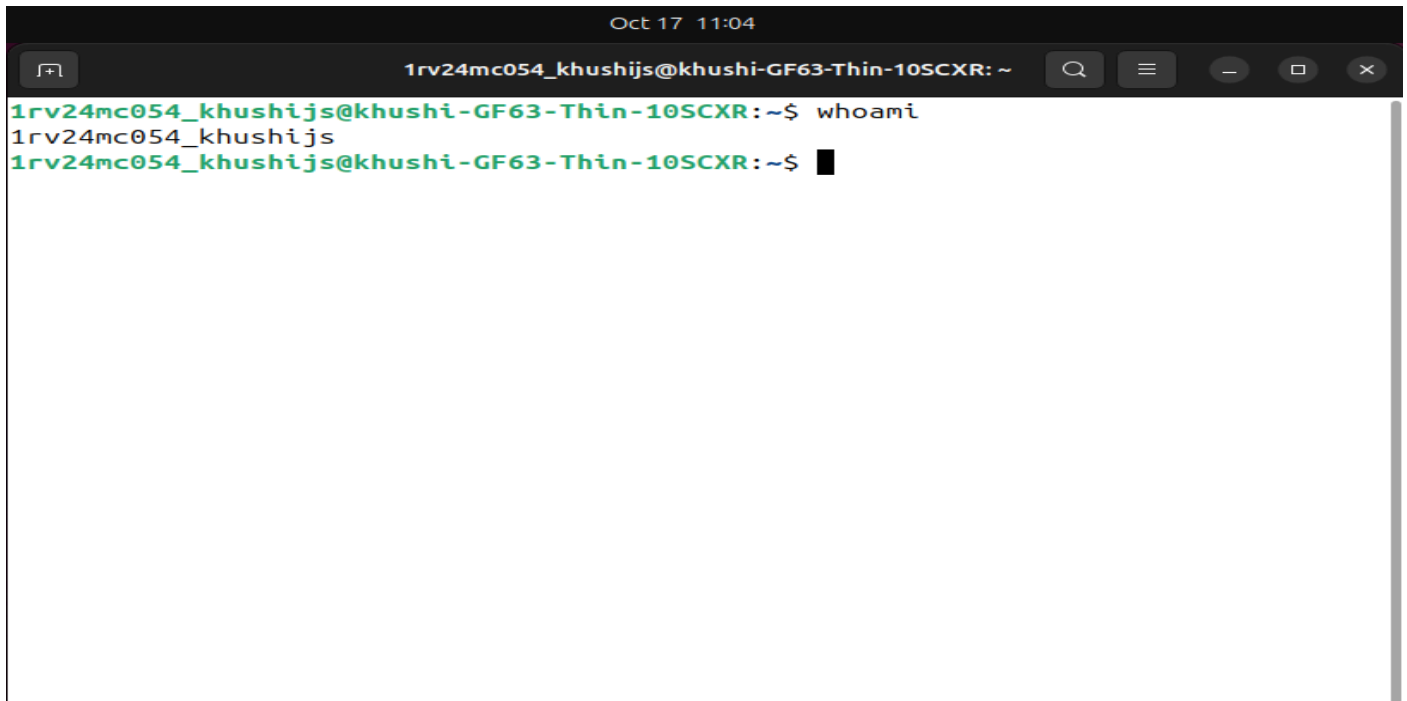


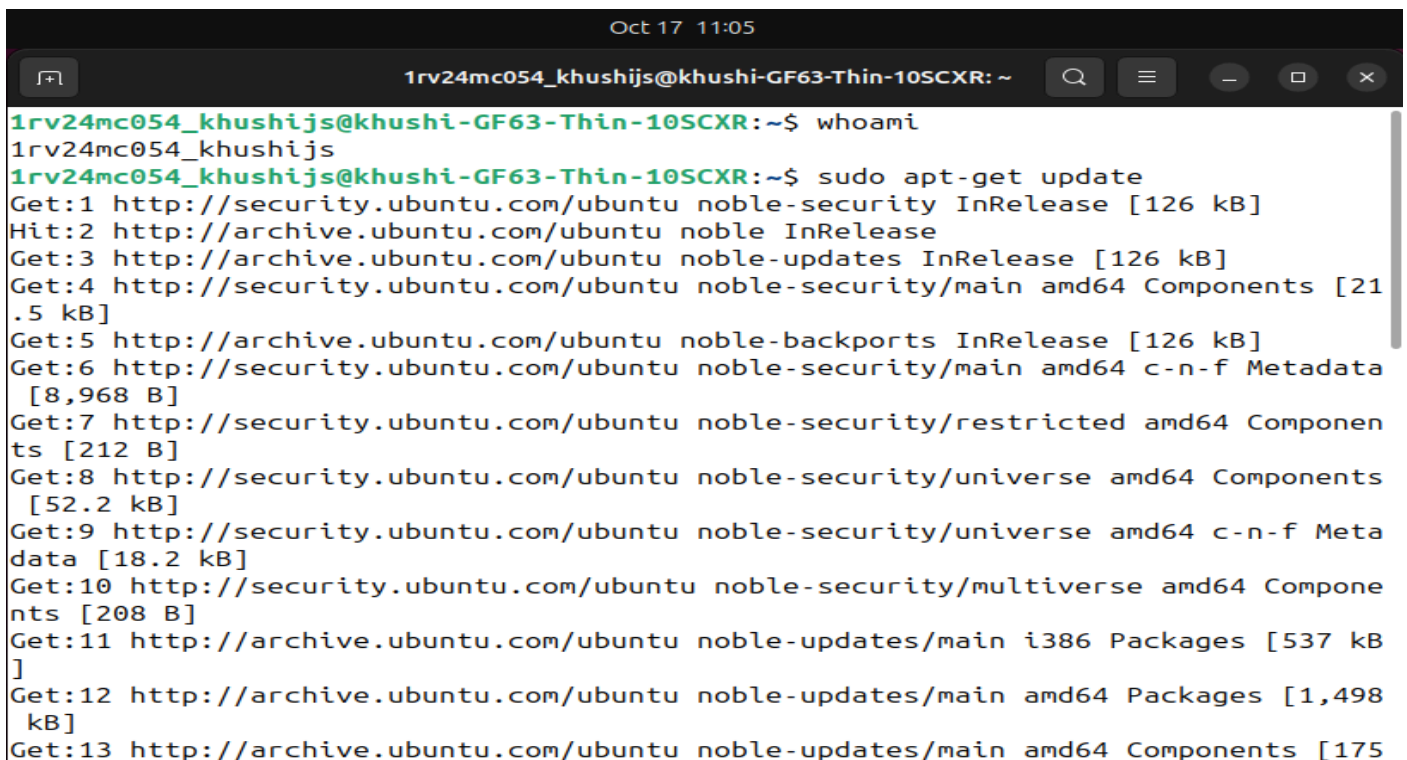
# Docker Documentation

The command `whoami` displays the current logged-in username of the system — in this case, it shows that the user is `1rv24mc054_khushijs`

A terminal window with a dark background. The title bar shows 'Oct 17 11:04' and the user '1rv24mc054\_khushijs@khushi-GF63-Thin-10SCXR: ~'. The terminal shows the command 'whoami' being executed, with the output '1rv24mc054\_khushijs' displayed on the next line.

```
Oct 17 11:04
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR: ~
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$ whoami
1rv24mc054_khushijs
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$
```

Before installing docker update the system

A terminal window with a dark background. The title bar shows 'Oct 17 11:05' and the user '1rv24mc054\_khushijs@khushi-GF63-Thin-10SCXR: ~'. The terminal shows the command 'sudo apt-get update' being executed, followed by a list of package updates and their sizes.

```
Oct 17 11:05
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR: ~
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$ sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:2 http://archive.ubuntu.com/ubuntu noble InRelease
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,968 B]
Get:7 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:8 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [18.2 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
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/main amd64 Components [175
```

It adds Docker's official repository and key to Ubuntu so that Docker can be installed Securely.

```
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$ sudo apt 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 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 158 not upgraded.
Need to get 110 MB of archives.
After this operation, 461 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://archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble/main amd64 liberror-perl all 0.17029-2 [25.6 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 git-man all 1:2.43.0-1ubuntu7.3 [1,100 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 git amd64 1:2.43.0-1ubuntu7.3 [3,680 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble/main amd64 libslirp0 amd64 4.7.0-1ubuntu3 [63.8 kB]
Get:7 http://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 2min 5s (879 kB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 172499 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
```

Check the docker version

```
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$ docker --version
Docker version 28.5.1, build e180ab8
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$
```

This following command shows the current status of the Docker service, whether it's running or stopped.

```
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$ docker --version
Docker version 28.5.1, build e180ab8
1rv24mc054_khushijs@khushi-GF63-Thin-10SCXR:~$ 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 11:52:47 IST; 5min ago
     TriggeredBy: ● docker.socket
   Docs: https://docs.docker.com
   Main PID: 34225 (dockerd)
    Tasks: 14
   Memory: 21.7M (peak: 23.5M)
      CPU: 583ms
   CGroup: /system.slice/docker.service
           └─34225 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 17 11:52:43 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:43.862348813+05:30" level=info msg="detected 127.0.0.53 nameserver, assuming it's the local DNS server"
Oct 17 11:52:43 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:43.883897558+05:30" level=info msg="Creating a containerd client" address=/run/docker.sock
Oct 17 11:52:44 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:44.870267158+05:30" level=info msg="Loading containers: start."
Oct 17 11:52:45 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:45.887235135+05:30" level=info msg="Loading containers: done."
Oct 17 11:52:46 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:46.124057480+05:30" level=info msg="Docker daemon" commit=f8215cc containerd=1.7.28-1-ubuntu.24.04~noble
Oct 17 11:52:46 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:46.124330441+05:30" level=info msg="Initializing buildkit"
Oct 17 11:52:47 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:47.609224368+05:30" level=info msg="Completed buildkit initialization"
Oct 17 11:52:47 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:47.627485958+05:30" level=info msg="Daemon has completed initialization"
Oct 17 11:52:47 khushi-GF63-Thin-10SCXR dockerd[34225]: time="2025-10-17T11:52:47.627709206+05:30" level=info msg="API listen on /run/docker.sock"
Oct 17 11:52:47 khushi-GF63-Thin-10SCXR systemd[1]: Started docker.service - Docker Application Container Engine.
lines 1-22/22 (END)
```