```
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo apt update\
> sudo apt update
[sudo] password for avcoe:
E: Invalid operation updatesudo
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo apt update
Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 https://dl.google.com/linux/chrome/deb stable InRelease
Get:3 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:5 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Fetched 229 kB in 2s (132 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
10 packages can be upgraded. Run 'apt list --upgradable' to see them.
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo apt install apt-transport-https ca-certificates curl
software-properties-common
E: dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to correct the problem.
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo dpkg --configure -a
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo apt install apt-transport-https ca-certificates curl
software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20211016ubuntu0.22.04.1).
ca-certificates set to manually installed.
software-properties-common is already the newest version (0.99.22.6).
software-properties-common set to manually installed.
The following package was automatically installed and is no longer required:
  libllvm13
Use 'sudo apt autoremove' to remove it.
The following packages will be REMOVED:
  linux-modules-extra-5.15.0-56-generic
The following NEW packages will be installed:
  apt-transport-https curl
0 upgraded, 2 newly installed, 1 to remove and 10 not upgraded.
1 not fully installed or removed.
Need to get 196 kB of archives.
After this operation, 352 MB disk space will be freed.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 apt-transport-https all
2.4.8 [1,506 B]
Get:2 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 curl amd64 7.81.0-
1ubuntu1.8 [194 kB]
Fetched 196 kB in 1s (175 kB/s)
(Reading database ... 264209 files and directories currently installed.)
Removing linux-modules-extra-5.15.0-56-generic (5.15.0-56.62) ...
Selecting previously unselected package apt-transport-https.
(Reading database ... 264209 files and directories currently installed.)
Preparing to unpack .../apt-transport-https_2.4.8_all.deb ...
Unpacking apt-transport-https (2.4.8) ...
Selecting previously unselected package curl.
```

Preparing to unpack .../curl_7.81.0-1ubuntu1.8_amd64.deb ...
Unpacking curl (7.81.0-1ubuntu1.8) ...
Setting up apt-transport-https (2.4.8) ...
Setting up curl (7.81.0-1ubuntu1.8) ...
Processing triggers for man-db (2.10.2-1) ...
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ curl -fsSL
https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo add-apt-repository "deb [arch=amd64]
https://download.docker.com/linux/ubuntu focal stable"
Repository: 'deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable'
Description:
Archive for codename: focal components: stable
More info: https://download.docker.com/linux/ubuntu
Adding repository.
Press [ENTER] to continue or Ctrl-c to cancel.
Adding deb entry to /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-jammy.list
Adding disabled deb-src entry to /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-jammy.list
Get:1 https://download.docker.com/linux/ubuntu focal InRelease [57.7 kB]
Get:2 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [24.7 kB]
Hit:3 https://dl.google.com/linux/chrome/deb stable InRelease
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:5 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Get:6 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Hit:7 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Fetched 311 kB in 1s (208 kB/s)
Reading package lists... Done
W: https://download.docker.com/linux/ubuntu/dists/focal/InRelease: Key is stored in legacy
trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ apt-cache policy docker-ce
docker-ce:
  Installed: (none)
  Candidate: 5:23.0.1-1~ubuntu.20.04~focal
  Version table:
     5:23.0.1-1~ubuntu.20.04~focal 500
        500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
     5:23.0.0-1~ubuntu.20.04~focal 500
        500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
     5:20.10.23~3-0~ubuntu-focal 500
        500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
     5:20.10.22~3-0~ubuntu-focal 500
        500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
     5:20.10.21~3-0~ubuntu-focal 500
        500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
     5:20.10.20~3-0~ubuntu-focal 500
        500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
     5:20.10.19~3-0~ubuntu-focal 500
        500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
     5:20.10.18~3-0~ubuntu-focal 500

500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.17~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.16~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.15~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.14~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.13~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.12~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.11~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.10~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.9~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.8~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.7~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.6~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.5~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.4~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.3~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.2~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.1~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.0~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.15~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.14~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.13~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.12~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.11~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.10~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.9~3-0~ubuntu-focal 500
    500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo apt install docker-ce

Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libllvm13
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  containerd.io docker-buildx-plugin docker-ce-cli docker-ce-rootless-extras
  docker-compose-plugin docker-scan-plugin libslirp0 pigz slirp4netns
Suggested packages:
  aufs-tools cgroupfs-mount | cgroup-lite
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli
  docker-ce-rootless-extras docker-compose-plugin docker-scan-plugin libslirp0
  pigz slirp4netns
0 upgraded, 10 newly installed, 0 to remove and 10 not upgraded.
Need to get 112 MB of archives.
After this operation, 401 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 https://download.docker.com/linux/ubuntu focal/stable amd64 containerd.io amd64 1.6.18-1 [28.2 MB]
Get:2 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 pigz amd64 2.6-1 [63.6 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 libslirp0 amd64 4.6.1-1build1 [61.5 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 slirp4netns amd64 1.0.1-2 [28.2 kB]
Get:5 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-buildx-plugin amd64 0.10.2-1~ubuntu.20.04~focal [25.9 MB]
Get:6 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-cli amd64 5:23.0.1-1~ubuntu.20.04~focal [13.2 MB]
Get:7 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce amd64 5:23.0.1-1~ubuntu.20.04~focal [22.0 MB]
Get:8 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-rootless-extras amd64 5:23.0.1-1~ubuntu.20.04~focal [8,765 kB]
Get:9 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-compose-plugin amd64 2.16.0-1~ubuntu.20.04~focal [10.2 MB]
Get:10 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-scan-plugin amd64 0.23.0~ubuntu-focal [3,622 kB]
Fetched 112 MB in 16s (7,084 kB/s)
Selecting previously unselected package pigz.
(Reading database ... 264220 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.6-1_amd64.deb ...
Unpacking pigz (2.6-1) ...
Selecting previously unselected package containerd.io.
Preparing to unpack .../1-containerd.io_1.6.18-1_amd64.deb ...
Unpacking containerd.io (1.6.18-1) ...
Selecting previously unselected package docker-buildx-plugin.
Preparing to unpack .../2-docker-buildx-plugin_0.10.2-1~ubuntu.20.04~focal_amd64
.deb ...
Unpacking docker-buildx-plugin (0.10.2-1~ubuntu.20.04~focal) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../3-docker-ce-cli_5%3a23.0.1-1~ubuntu.20.04~focal_amd64.de

b ...
Unpacking docker-ce-cli (5:23.0.1-1~ubuntu.20.04~focal) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../4-docker-ce_5%3a23.0.1-1~ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-ce (5:23.0.1-1~ubuntu.20.04~focal) ...
Selecting previously unselected package docker-ce-rootless-extras.
Preparing to unpack .../5-docker-ce-rootless-extras_5%3a23.0.1-1~ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:23.0.1-1~ubuntu.20.04~focal) ...
Selecting previously unselected package docker-compose-plugin.
Preparing to unpack .../6-docker-compose-plugin_2.16.0-1~ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-compose-plugin (2.16.0-1~ubuntu.20.04~focal) ...
Selecting previously unselected package docker-scan-plugin.
Preparing to unpack .../7-docker-scan-plugin_0.23.0~ubuntu-focal_amd64.deb ...
Unpacking docker-scan-plugin (0.23.0~ubuntu-focal) ...
Selecting previously unselected package libslirp0:amd64.
Preparing to unpack .../8-libslirp0_4.6.1-1build1_amd64.deb ...
Unpacking libslirp0:amd64 (4.6.1-1build1) ...
Selecting previously unselected package slirp4netns.
Preparing to unpack .../9-slirp4netns_1.0.1-2_amd64.deb ...
Unpacking slirp4netns (1.0.1-2) ...
Setting up docker-scan-plugin (0.23.0~ubuntu-focal) ...
Setting up docker-buildx-plugin (0.10.2-1~ubuntu.20.04~focal) ...
Setting up containerd.io (1.6.18-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service →
 /lib/systemd/system/containerd.service.
Setting up docker-compose-plugin (2.16.0-1~ubuntu.20.04~focal) ...
Setting up docker-ce-cli (5:23.0.1-1~ubuntu.20.04~focal) ...
Setting up libslirp0:amd64 (4.6.1-1build1) ...
Setting up pigz (2.6-1) ...
Setting up docker-ce-rootless-extras (5:23.0.1-1~ubuntu.20.04~focal) ...
Setting up slirp4netns (1.0.1-2) ...
Setting up docker-ce (5:23.0.1-1~ubuntu.20.04~focal) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset>
   Active: active (running) since Mon 2023-03-20 14:21:46 IST; 14s ago
TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
 Main PID: 5285 (dockerd)
    Tasks: 9
   Memory: 28.4M
      CPU: 301ms
   CGroup: /system.slice/docker.service

```
                    └─5285 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont>


Mar 20 14:21:37 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:37 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:41 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:42 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:43 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:45 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:45 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:46 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
Mar 20 14:21:46 avcoe-HP-ProDesk-400-G1-SFF systemd[1]: Started Docker Applicat>
Mar 20 14:21:46 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-20T14:>
lines 1-22/22 (END)...skipping..
● docker.service - Docker Application Container Engine
     Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2023-03-20 14:21:46 IST; 14s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 5285 (dockerd)
      Tasks: 9
     Memory: 28.4M
        CPU: 301ms
     CGroup: /system.slice/docker.service
             └─5285 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock


Mar 20 14:21:37 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:37.854525234+05:30" level=info msg="[core] [Channel #4 SubChanne>
Mar 20 14:21:37 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:37.854543688+05:30" level=info msg="[core] [Channel #4] Channel >
Mar 20 14:21:41 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:41.700661813+05:30" level=info msg="Loading containers: start."
Mar 20 14:21:42 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:42.558192858+05:30" level=info msg="Default bridge (docker0) is >
Mar 20 14:21:43 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:43.274646104+05:30" level=info msg="Loading containers: done."
Mar 20 14:21:45 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:45.785401190+05:30" level=info msg="Docker daemon" commit=bc3805>
Mar 20 14:21:45 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:45.785706524+05:30" level=info msg="Daemon has completed initial>
Mar 20 14:21:46 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:46.000199169+05:30" level=info msg="[core] [Server #7] Server cr>
Mar 20 14:21:46 avcoe-HP-ProDesk-400-G1-SFF systemd[1]: Started Docker Application
Container Engine.
Mar 20 14:21:46 avcoe-HP-ProDesk-400-G1-SFF dockerd[5285]: time="2023-03-
20T14:21:46.004340987+05:30" level=info msg="API listen on /run/docker.so>
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lines 1-22/22 (END)
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~$