```
artur@Artur-debian:~$ sudo apt install apt-transport-https ca-certificates curl
gnupg-agent software-properties-common -y
[sudo] password for artur:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apt-transport-https is already the newest version (2.2.4).
ca-certificates is already the newest version (20210119).
curl is already the newest version (7.74.0-1.3+deb11u1).
software-properties-common is already the newest version (0.96.20.2-2.1).
The following packages were automatically installed and are no longer required:
  bubblewrap devhelp devhelp-common enchant-2 fonts-open-sans
  gnome-desktop3-data icu-devtools libamtk-5-0 libamtk-5-common
  libatk-bridge2.0-dev libatk1.0-dev libatk1.0-doc libatspi2.0-dev
  libblkid-dev libbrotli-dev libcairo-script-interpreter2 libcairo2-dev
  libdatrie-dev libdbus-1-dev libdevhelp-3-6 libenchant-2-2 libepoxy-dev
  libexpat1-dev libfontconfig-dev libfontconfig1-dev libfreetype-dev
  libfreetype6-dev libfribidi-dev libgdk-pixbuf-2.0-dev libgjs0g
  libgladeui-2-13 libgladeui-common libglib2.0-dev libglib2.0-dev-bin
  libglib2.0-doc libgnome-desktop-3-19 libgraphite2-dev libgtk-3-dev
  libgtk-3-doc libharfbuzz-dev libharfbuzz-gobject0 libicu-dev
  libjavascriptcoregtk-4.0-18 libmanette-0.2-0 libmount-dev libmozjs-78-0
  libpango1.0-dev libpango1.0-doc libpcre16-3 libpcre2-32-0 libpcre2-dev
  libpcre2-posix2 libpcre3-dev libpcre32-3 libpcrecpp0v5 libpixman-1-dev
  libpng-dev libpng-tools librlottie0-1 libselinux1-dev libsepol1-dev
  libthai-dev libwebkit2gtk-4.0-37 libwpe-1.0-1 libwpebackend-fdo-1.0-1
  libxcb-render0-dev libxcb-screensaver0 libxcb-shm0-dev libxcomposite-dev
  libxcursor-dev libxdamage-dev libxfixes-dev libxft-dev libxi-dev
  libxinerama-dev libxkbcommon-dev libxkbregistry0 libxtst-dev pango1.0-tools
  python3-distutils python3-lib2to3 uuid-dev wayland-protocols
  x11proto-input-dev x11proto-record-dev x11proto-xinerama-dev xdg-dbus-proxy
  xdg-desktop-portal xdg-desktop-portal-gtk zlib1g-dev
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  gnupg-agent
0 upgraded, 1 newly installed, 0 to remove and 5 not upgraded.
Need to get 434 kB of archives.
After this operation, 447 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bullseye/main amd64 gnupg-agent all 2.2.27-2
[434 kB]
Fetched 434 kB in 0s (1019 kB/s)
```

```
artur@Artur-debian:~$ curl -fsSL https://download.docker.com/linux/debian/gpg |
sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
artur@Artur-debian:~$ echo "deb [arch=$(dpkg --print-architecture) signed-by=/us
r/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/d
ebian $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list
> /dev/null
artur@Artur-debian:~$
```

```
artur@Artur-debian:~$ sudo apt-get update
Hit:1 http://deb.debian.org/debian bullseye InRelease
Hit:2 http://security.debian.org/debian-security bullseye-security InRelease
Hit:3 http://deb.debian.org/debian bullseye-updates InRelease
Ign:4 http://httpredir.debian.org/debian stretch InRelease
Hit:5 http://httpredir.debian.org/debian stretch Release
Hit:6 https://packages.microsoft.com/repos/vscode stable InRelease
Get:8 https://nginx.org/packages/debian bullseye InRelease [2860 B]
Hit:9 http://packages.microsoft.com/repos/code stable InRelease
Get:10 https://download.docker.com/linux/debian bullseye InRelease [43.3 kB]
Get:11 https://download.docker.com/linux/debian bullseye/stable amd64 Packages [
7436 B]
Fetched 53.6 kB in 15s (3461 B/s)
Reading package lists... Done
artur@Artur-debian:~$
```

```
artur@Artur-debian:~$ sudo apt install docker docker-compose
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer require
  bubblewrap devhelp devhelp-common enchant-2 fonts-open-sans
  gnome-desktop3-data icu-devtools libamtk-5-0 libamtk-5-common
  libatk-bridge2.0-dev libatk1.0-dev libatk1.0-doc libatspi2.0-dev
  libblkid-dev libbrotli-dev libcairo-script-interpreter2 libcairo2-dev
  libdatrie-dev libdbus-1-dev libdevhelp-3-6 libenchant-2-2 libepoxy-dev
  libexpat1-dev libfontconfig-dev libfontconfig1-dev libfreetype-dev
  libfreetype6-dev libfribidi-dev libgdk-pixbuf-2.0-dev libgjs0g
  libgladeui-2-13 libgladeui-common libglib2.0-dev libglib2.0-dev-bin
  libglib2.0-doc libgnome-desktop-3-19 libgraphite2-dev libgtk-3-dev
  libgtk-3-doc libharfbuzz-dev libharfbuzz-gobject0 libicu-dev
  libjavascriptcoregtk-4.0-18 libmanette-0.2-0 libmount-dev libmozjs-78-0
  libpango1.0-dev libpango1.0-doc libpcre16-3 libpcre2-32-0 libpcre2-dev
  libpcre2-posix2 libpcre3-dev libpcre32-3 libpcrecpp0v5 libpixman-1-dev
  libpng-dev libpng-tools librlottie0-1 libselinux1-dev libsepol1-dev
  libthai-dev libwebkit2gtk-4.0-37 libwpe-1.0-1 libwpebackend-fdo-1.0-1
  libxcb-render0-dev libxcb-screensaver0 libxcb-shm0-dev libxcomposite-dev
  libxcursor-dev libxdamage-dev libxfixes-dev libxft-dev libxi-dev
  libxinerama-dev libxkbcommon-dev libxkbregistry0 libxtst-dev pango1.0-tools
  uuid-dev wayland-protocols x11proto-input-dev x11proto-record-dev
  x11proto-xinerama-dev xdg-dbus-proxy xdg-desktop-portal
  xdg-desktop-portal-gtk zlib1g-dev
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  cgroupfs-mount containerd docker.io libintl-perl libintl-xs-perl
  libmodule-find-perl libmodule-scandeps-perl libproc-processtable-perl
  libsort-naturally-perl libterm-readkey-perl needrestart python3-attr
  python3-cached-property python3-docker python3-dockerpty python3-docopt
  python3-importlib-metadata python3-jsonschema python3-more-itertools
  python3-pyrsistent python3-setuptools python3-texttable python3-websocket
  python3-yaml python3-zipp runc tini wmdocker
Suggested packages:
  containernetworking-plugins docker-doc aufs-tools btrfs-progs debootstrap
  rinse rootlesskit xfsprogs zfs-fuse | zfsutils-linux needrestart-session
  | libnotify-bin iucode-tool python-attr-doc python-jsonschema-doc
  python-setuptools-doc
Recommended packages:
  criu
The following NEW packages will be installed:
  cgroupfs-mount containerd docker docker-compose docker.io libintl-perl
  libintl-xs-perl libmodule-find-perl libmodule-scandeps-perl
  libproc-processtable-perl libsort-naturally-perl libterm-readkey-perl
  needrestart python3-attr python3-cached-property python3-docker
  python3-dockerpty python3-docopt python3-importlib-metadata
  python3-jsonschema python3-more-itertools python3-pyrsistent
  python3-setuptools python3-texttable python3-websocket python3-yaml
  python3-zipp runc tini wmdocker
0 upgraded, 30 newly installed, 0 to remove and 0 not upgraded.
Need to get 62.4 MB of archives.
After this operation, 275 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

```
artur@Artur-debian:~$ sudo docker search ubuntu
NAME                                            DESCRIPTION                                       STARS     OFFICIAL     AUTOMATED
ubuntu                                          Ubuntu is a Debian-based Linux operating sys…     13523     [OK]
dorowu/ubuntu-desktop-lxde-vnc                  Docker image to provide HTML5 VNC interface …     602                    [OK]
websphere-liberty                               WebSphere Liberty multi-architecture images …     282       [OK]
rastasheep/ubuntu-sshd                          Dockerized SSH service, built on top of offi…     257                    [OK]
consol/ubuntu-xfce-vnc                          Ubuntu container with "headless" VNC session…     244                    [OK]
ubuntu-upstart                                  DEPRECATED, as is Upstart (find other proces…     112       [OK]
ansible/ubuntu14.04-ansible                     Ubuntu 14.04 LTS with ansible                     98                     [OK]
1and1internet/ubuntu-16-nginx-php-phpmyadmin-mysql-5  ubuntu-16-nginx-php-phpmyadmin-mysql-5      50                     [OK]
open-liberty                                    Open Liberty multi-architecture images based…     49        [OK]
ubuntu-debootstrap                              DEPRECATED; use "ubuntu" instead                  45        [OK]
i386/ubuntu                                     Ubuntu is a Debian-based Linux operating sys…     28
nuagebec/ubuntu                                 Simple always updated Ubuntu docker images w…     24                     [OK]
1and1internet/ubuntu-16-apache-php-5.6          ubuntu-16-apache-php-5.6                          14                     [OK]
eclipse/ubuntu_jdk8                             Ubuntu, JDK8, Maven 3, git, curl, nmap, mc, …     14                     [OK]
1and1internet/ubuntu-16-apache-php-7.0          ubuntu-16-apache-php-7.0                          13                     [OK]
1and1internet/ubuntu-16-nginx-php-phpmyadmin-mariadb-10  ubuntu-16-nginx-php-phpmyadmin-mariadb-10  11                  [OK]
1and1internet/ubuntu-16-nginx-php-5.6-wordpress-4  ubuntu-16-nginx-php-5.6-wordpress-4           9                      [OK]
1and1internet/ubuntu-16-nginx-php-5.6           ubuntu-16-nginx-php-5.6                           8                      [OK]
1and1internet/ubuntu-16-apache-php-7.1          ubuntu-16-apache-php-7.1                          7                      [OK]
1and1internet/ubuntu-16-nginx-php-7.1           ubuntu-16-nginx-php-7.1                           5                      [OK]
1and1internet/ubuntu-16-nginx-php-7.0           ubuntu-16-nginx-php-7.0                           4                      [OK]
smartentry/ubuntu                               ubuntu with smartentry                            1                      [OK]
1and1internet/ubuntu-16-php-7.1                 ubuntu-16-php-7.1                                 1                      [OK]
1and1internet/ubuntu-16-sshd                    ubuntu-16-sshd                                    1                      [OK]
1and1internet/ubuntu-16-rspec                   ubuntu-16-rspec                                   0                      [OK]
artur@Artur-debian:~$
```

```
artur@Artur-debian:~$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
ea362f368469: Pull complete
Digest: sha256:b5a61709a9a44284d88fb12e5c48db0409cfad5b69d4ff8224077c57302df9cf
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
artur@Artur-debian:~$
```

```
artur@Artur-debian:~$ sudo docker run -it --name my_ubuntu ubuntu
root@df3d17e67563:/# uname -a
Linux df3d17e67563 5.10.0-10-amd64 #1 SMP Debian 5.10.84-1 (2021-12-08) x86_64 x86_6
4 x86_64 GNU/Linux
root@df3d17e67563:/# ls
bin   dev   home   lib32   libx32   mnt   proc   run    srv   tmp   var
boot  etc   lib    lib64   media    opt   root   sbin   sys   usr
root@df3d17e67563:/# ls /home/
root@df3d17e67563:/# exit
exit
artur@Artur-debian:~$ sudo docker container ls
CONTAINER ID   IMAGE      COMMAND      CREATED      STATUS      PORTS      NAMES
artur@Artur-debian:~$ sudo docker container ls -a
CONTAINER ID   IMAGE      COMMAND      CREATED               STATUS
PORTS      NAMES
df3d17e67563   ubuntu     "bash"       About a minute ago    Exited (0) 15 seconds ago
               my_ubuntu
artur@Artur-debian:~$
```

```
artur@Artur-debian:~$ sudo docker container rm my_ubuntu
my_ubuntu
artur@Artur-debian:~$ sudo docker container ls -a
CONTAINER ID   IMAGE      COMMAND     CREATED     STATUS      PORTS       NAMES
artur@Artur-debian:~$
```