


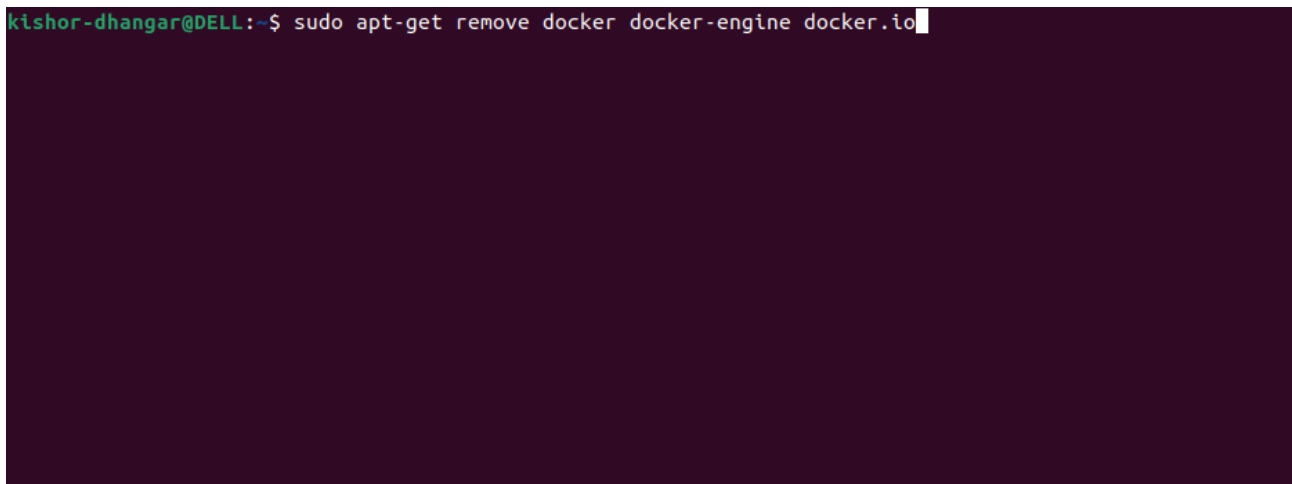
Follow the Steps for Installing Docker On Ubuntu 22.04:

1. Open the terminal on Ubuntu. (Ctrl + Alt + T)



2. Remove any Docker files that are already running in the system, using the following command:

```
$ sudo apt-get remove docker docker-engine docker.io
```



3. Check if the system is up-to-date using the following command:

\$ sudo apt-get update

```
kishor-dhangar@DELL:~$ sudo apt-get remove docker docker-engine docker.io
[sudo] password for kishor-dhangar:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package docker-engine
kishor-dhangar@DELL:~$ sudo apt-get update
```

4. Install Docker using the following command:

\$ sudo apt install docker.io

```
kishor-dhangar@DELL:~$ sudo apt-get remove docker docker-engine docker.io
[sudo] password for kishor-dhangar:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package docker-engine
kishor-dhangar@DELL:~$ sudo apt-get update
Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
kishor-dhangar@DELL:~$ sudo apt install docker.io
```

```

kishor-dhangar@DELL:~$ sudo apt-get remove docker docker-engine docker.io
[sudo] password for kishor-dhangar:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package docker-engine
kishor-dhangar@DELL:~$ sudo apt-get update
Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
kishor-dhangar@DELL:~$ sudo apt install docker.io
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bridge-utils containerd git git-man liberror-perl pigz runc ubuntu-fan
Suggested packages:
  ipfdump aufs-tools btrfs-progs cgroupfs-mount | cgroup-lite debootstrap docker-doc rinse zfs-fuse | zfsutils 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:
  bridge-utils containerd docker.io git git-man liberror-perl pigz runc ubuntu-fan
0 upgraded, 9 newly installed, 0 to remove and 230 not upgraded.
Need to get 76.2 MB of archives.
After this operation, 307 MB of additional disk space will be used.
Do you want to continue? [Y/n]

```

Press Y

5. Install all the dependency packages using the following command:

\$ sudo snap install docker

```

Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 pigz amd64 2.6-1 [63.6 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 bridge-utils amd64 1.7-1ubuntu3 [34.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 runc amd64 1.1.4-0ubuntu1-22.04.3 [4,244 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 containerd amd64 1.6.12-0ubuntu1-22.04.1 [34.4 MB]
Get:5 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 docker.io amd64 20.10.21-0ubuntu1-22.04.3 [33.3 MB]
Get:6 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.9 [954 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.9 [3,166 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu jammy/universe amd64 ubuntu-fan all 0.12.16 [35.2 kB]
Fetched 76.2 MB in 44s (1,718 kB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 162506 files and directories currently installed.)
Preparing to unpack .../7-pigz_2.6-1_amd64.deb ...
Unpacking pigz (2.6-1) ...
Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.7-1ubuntu3_amd64.deb ...
Unpacking bridge-utils (1.7-1ubuntu3) ...
Selecting previously unselected package runc.
Preparing to unpack .../2-runc_1.1.4-0ubuntu1-22.04.3_amd64.deb ...
Unpacking runc (1.1.4-0ubuntu1-22.04.3) ...
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.6.12-0ubuntu1-22.04.1_amd64.deb ...
Unpacking containerd (1.6.12-0ubuntu1-22.04.1) ...
Selecting previously unselected package docker.io.
Preparing to unpack .../4-docker.io_20.10.21-0ubuntu1-22.04.3_amd64.deb ...
Unpacking docker.io (20.10.21-0ubuntu1-22.04.3) ...
Selecting previously unselected package liberror-perl.
Preparing to unpack .../5-liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../6-git-man_1:2.34.1-1ubuntu1.9_all.deb ...
Unpacking git-man (1:2.34.1-1ubuntu1.9) ...
Selecting previously unselected package git.
Preparing to unpack .../7-git_1:2.34.1-1ubuntu1.9_amd64.deb ...
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Selecting previously unselected package ubuntu-fan.
Preparing to unpack .../8-ubuntu-fan_0.12.16_all.deb ...
Unpacking ubuntu-fan (0.12.16) ...
Setting up pigz (2.6-1) ...
Setting up git-man (1:2.34.1-1ubuntu1.9) ...
Setting up containerd (1.6.12-0ubuntu1-22.04.1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.
Setting up ubuntu-fan (0.12.16) ...
Created symlink /etc/systemd/system/multi-user.target.wants/ubuntu-fan.service → /lib/systemd/system/ubuntu-fan.service.
Setting up docker.io (20.10.21-0ubuntu1-22.04.3) ...
Adding group `docker' (GID 137) ...
done.
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.
Setting up git (1:2.34.1-1ubuntu1.9) ...
Processing triggers for man-db (2.10.2-1) ...
kishor-dhangar@DELL:~$ sudo snap install docker

```

6. Before testing Docker, check the version installed using the following command:

\$ docker --version

```
Do you want to continue? [Y/n] y
Get:1 http://ln.archive.ubuntu.com/ubuntu jammy/universe amd64 pigz amd64 2.6-1 [63.6 kB]
Get:2 http://ln.archive.ubuntu.com/ubuntu jammy/main amd64 bridge-utils amd64 1.7-1ubuntu3 [34.4 kB]
Get:3 http://ln.archive.ubuntu.com/ubuntu jammy-updates/main amd64 runc amd64 1:1.4-0ubuntu1-22.04.3 [4,244 kB]
Get:4 http://ln.archive.ubuntu.com/ubuntu jammy-updates/main amd64 containerd amd64 1.6.12-0ubuntu1-22.04.1 [34.4 MB]
Get:5 http://ln.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 docker.io amd64 20.10.21-0ubuntu1-22.04.3 [33.3 MB]
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Fetched 76.2 MB in 44s (1,718 kB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 162506 files and directories currently installed.)
Preparing to unpack .../8-pigz_2.6-1_amd64.deb ...
Unpacking pigz (2.6-1) ...
Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.7-1ubuntu3_amd64.deb ...
Unpacking bridge-utils (1.7-1ubuntu3) ...
Selecting previously unselected package runc.
Preparing to unpack .../2-runc_1:1.4-0ubuntu1-22.04.3_amd64.deb ...
Unpacking runc (1:1.4-0ubuntu1-22.04.3) ...
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.6.12-0ubuntu1-22.04.1_amd64.deb ...
Unpacking containerd (1.6.12-0ubuntu1-22.04.1) ...
Selecting previously unselected package docker.io.
Preparing to unpack .../4-docker.io_20.10.21-0ubuntu1-22.04.3_amd64.deb ...
Unpacking docker.io (20.10.21-0ubuntu1-22.04.3) ...
Selecting previously unselected package liberror-perl.
Preparing to unpack .../5-liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../6-git-man_1:2.34.1-1ubuntu1.9_all.deb ...
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Selecting previously unselected package git.
Preparing to unpack .../7-git_1:2.34.1-1ubuntu1.9_amd64.deb ...
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Setting up liberror-perl (0.17029-1) ...
Setting up bridge-utils (1.7-1ubuntu3) ...
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Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.
Setting up ubuntu-fan (0.12.16) ...
Created symlink /etc/systemd/system/multi-user.target.wants/ubuntu-fan.service → /lib/systemd/system/ubuntu-fan.service.
Setting up docker.io (20.10.21-0ubuntu1-22.04.3) ...
Adding group 'docker' (GID 137) ...
Done.
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.
Setting up git (1:2.34.1-1ubuntu1.9) ...
Processing triggers for man-db (2.10.2-1) ...
kishor-dhangar@DELL:~$ sudo snap install docker
docker 20.10.24 from Canonical™ installed
kishor-dhangar@DELL:~$ docker --version
```

You Can See Here Docker Version:

```

Get:2 http://ln.archive.ubuntu.com/ubuntu jammy/main amd64 bridge-utils amd64 1.7-1ubuntu3 [34.4 kB]
Get:3 http://ln.archive.ubuntu.com/ubuntu jammy-updates/main amd64 runc amd64 1:1.4-0ubuntu1-22.04.3 [4,244 kB]
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Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.7-1ubuntu3_amd64.deb ...
Unpacking bridge-utils (1.7-1ubuntu3) ...
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Unpacking containerd (1.6.12-0ubuntu1-22.04.1) ...
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Preparing to unpack .../4-docker.io_20.10.21-0ubuntu1-22.04.3_amd64.deb ...
Unpacking docker.io (20.10.21-0ubuntu1-22.04.3) ...
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Preparing to unpack .../5-liberror-perl_0.17029-1_all.deb ...
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Adding group 'docker' (GID 137) ...
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Setting up git (1:2.34.1-1ubuntu1.9) ...
Processing triggers for man-db (2.10.2-1) ...
kishor-dhargar@DELL:~$ sudo snap install docker
docker 20.10.24 from Canonical✓ installed
kishor-dhargar@DELL:~$ docker --version
Docker version 20.10.21, build 20.10.21-0ubuntu1-22.04.3
kishor-dhargar@DELL:~$

```

7. Pull an image from the Docker hub using the following command:

\$ sudo docker run hello-world

```

Get:6 http://ln.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:7 http://ln.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.9 [954 kB]
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Preparing to unpack .../1-bridge-utils_1.7-1ubuntu3_amd64.deb ...
Unpacking bridge-utils (1.7-1ubuntu3) ...
Selecting previously unselected package runc.
Preparing to unpack .../2-runc_1:1.4-0ubuntu1-22.04.3_amd64.deb ...
Unpacking runc (1:1.4-0ubuntu1-22.04.3) ...
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.6.12-0ubuntu1-22.04.1_amd64.deb ...
Unpacking containerd (1.6.12-0ubuntu1-22.04.1) ...
Selecting previously unselected package docker.io.
Preparing to unpack .../4-docker.io_20.10.21-0ubuntu1-22.04.3_amd64.deb ...
Unpacking docker.io (20.10.21-0ubuntu1-22.04.3) ...
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Preparing to unpack .../5-liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../6-git-man_1:2.34.1-1ubuntu1.9_all.deb ...
Unpacking git-man (1:2.34.1-1ubuntu1.9) ...
Selecting previously unselected package git.
Preparing to unpack .../7-git_1:2.34.1-1ubuntu1.9_amd64.deb ...
Unpacking git (1:2.34.1-1ubuntu1.9) ...
Selecting previously unselected package ubuntu-fan.
Preparing to unpack .../8-ubuntu-fan_0.12.16_all.deb ...
Unpacking ubuntu-fan (0.12.16) ...
Setting up runc (1:1.4-0ubuntu1-22.04.3) ...
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Setting up ubuntu-fan (0.12.16) ...
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Setting up docker.io (20.10.21-0ubuntu1-22.04.3) ...
Adding group 'docker' (GID 137) ...
Done.
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Setting up git (1:2.34.1-1ubuntu1.9) ...
Processing triggers for man-db (2.10.2-1) ...
kishor-dhargar@DELL:~$ sudo snap install docker
docker 20.10.24 from Canonical✓ installed
kishor-dhargar@DELL:~$ docker --version
Docker version 20.10.21, build 20.10.21-0ubuntu1-22.04.3
kishor-dhargar@DELL:~$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Downloading [=====] 720B/2.457kB

```

8. Check if the docker image has been pulled and is present in your system using the following command:

\$ sudo docker images

```
kishor-dhangar@DELL:~$ sudo snap install docker
docker 20.10.24 from Canonical** installed
kishor-dhangar@DELL:~$ docker --version
Docker version 20.10.21, build 20.10.21-0ubuntu1-22.04.3
kishor-dhangar@DELL:~$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
749385c32844: pull complete
Digest: sha256:fc6c996c6fa013e80938cdf0bb199fbb86d6e3e013783e5a766f50f5dbce0
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

kishor-dhangar@DELL:~$ sudo docker run hello-world

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kishor-dhangar@DELL:~$ sudo docker images
REPOSITORY   TAG       IMAGE ID   CREATED   SIZE
hello-world   latest    9c7a54a9a43c   4 weeks ago   13.3kB
kishor-dhangar@DELL:~$
```

9. To display all the containers pulled, use the following command:

\$ sudo docker ps -a

```

latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:fccf906c8f8d13e80938cdf0bb199fbd8b86d6e3e013783e5a766f50f5dbce0
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
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kishor-dhangar@DELL:~$ sudo docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
hello-world         latest             9c7d54a9a43c       4 weeks ago        13.3kB
kishor-dhangar@DELL:~$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
6d46b0b02eb2       hello-world        "/hello"            29 seconds ago     Exited (0) 28 seconds ago
867db2182cc1       hello-world        "/hello"            40 seconds ago     Exited (0) 39 seconds ago
kishor-dhangar@DELL:~$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             STATUS              PORTS              NAMES
kishor-dhangar@DELL:~$

```

10. To check for containers in a running state, use the following command:

\$ sudo docker ps

```
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:fccf906c8f8d13e80938cdf0bb199fddb86d6e3e013783e5a76df50f5dbce0
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (and4)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

kishor-dhargar@DELL:~$ sudo docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
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kishor-dhargar@DELL:~$ sudo docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
hello-world         latest             9c7d54a9a43c       4 weeks ago        13.3kB

kishor-dhargar@DELL:~$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
6d46b0b02eb2       hello-world        "/hello"           29 seconds ago     Exited (0) 28 seconds ago
867db2182cc1       hello-world        "/hello"           46 seconds ago     Exited (0) 39 seconds ago

kishor-dhargar@DELL:~$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
kishor-dhargar@DELL:~$
```