

Docker Lab1

Habiba Alaa El-din

Install Docker:

```
habiba@habiba-VirtualBox:~$ sudo apt-get install 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:
  aufs-tools cgroupfs-mount | cgroup-lite 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 221 not upgraded.
Need to get 113 MB of archives.
After this operation, 416 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://eg.archive.ubuntu.com/ubuntu jammy/universe amd64 pigz amd64 2.6-1 [63.6 kB]
Get:2 https://download.docker.com/linux/ubuntu jammy/stable amd64 containerd.io amd64 1.6.21-1 [28.3 MB]
Get:3 http://eg.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:4 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.9 [954 kB]
Get:5 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.9 [3,166 kB]
Get:6 http://eg.archive.ubuntu.com/ubuntu jammy/main amd64 libslirp0 amd64 4.6.1-1build1 [61.5 kB]
Get:7 http://eg.archive.ubuntu.com/ubuntu jammy/universe amd64 slirp4netns amd64 1.0.1-2 [28.2 kB]
Get:8 https://download.docker.com/linux/ubuntu jammy/stable amd64 docker-buildx-plugin amd64 0.10.4-1~ubuntu.22.04~jammy [25.9 MB]
Get:9 https://download.docker.com/linux/ubuntu jammy/stable amd64 docker-ce-cli amd64 5:23.0.5-1~ubuntu.22.04~jammy [13.2 MB]
Get:10 https://download.docker.com/linux/ubuntu jammy/stable amd64 docker-ce amd64 5:23.0.5-1~ubuntu.22.04~jammy [22.0 MB]
```

Docker “Hello world”:

```

habiba@habiba-VirtualBox:~$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:9eabfcf6034695c4f6208296be9090b0a3487e20fb6a5cb056525242621cf73d
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/

```

Run odoo on docker:

```

habiba@habiba-VirtualBox:~$ docker run -p 8069:8069 --name odoo --link db:db -t odoo
Unable to find image 'odoo:latest' locally
latest: Pulling from library/odoo
9e3ea8720c6d: Already exists
04ba628d58ec: Pull complete
fdc07b7d1cfb: Pull complete
8c77a58f0a17: Pull complete
b91fc12cdc12: Pull complete
2619983c0539: Pull complete
7b0c954a649b: Pull complete
e3e602314abc: Pull complete
74c06d4c5762: Pull complete
Digest: sha256:2e2ebbac337620116cd4000d7b8833ad1c296618a11b4e6a8f783a05a0f1215c
Status: Downloaded newer image for odoo:latest
docker: Error response from daemon: driver failed programming external connectivity on endpoint odoo (cc57493c72dc1fbf8d04f4acc7387e929808c0401effe27280b352f51ae026dc): Error starting userland proxy: listen tcp4 0.0.0.0:8069: bind: address already in use.

```

