

2.Install Docker,Docker Desktop and Creating an Account in Docker Hub

Step 1: Install Docker

1. Update the package index on your Linux system by running the following command:

```
sudo apt update
```

2. Install Docker dependencies by executing the following command:

```
sudo apt install apt-transport-https ca-certificates curl software-properties-common
```

3. Add the official Docker GPG key by entering the following command:

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

4. Add the Docker repository to your system's software sources by running the following command:

```
echo "deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

5. Update the package index again to include the Docker repository:

```
sudo apt update
```

6. Install Docker by executing the following command:

```
sudo apt install docker-ce docker-ce-cli containerd.io
```

7. Start the Docker service:

```
sudo systemctl start docker
```

8. Verify that Docker has been installed and is running by running the following command:

```
sudo docker run hello-world
```

Step 2: Create a Docker Hub account

1. Visit the Docker Hub website (<https://hub.docker.com/>) and click on the "Sign Up" button.
2. Fill in the required information, including your username, password, and email address.
3. Complete the reCAPTCHA verification and accept the Docker Terms of Service.

Step 3: Verify your email address

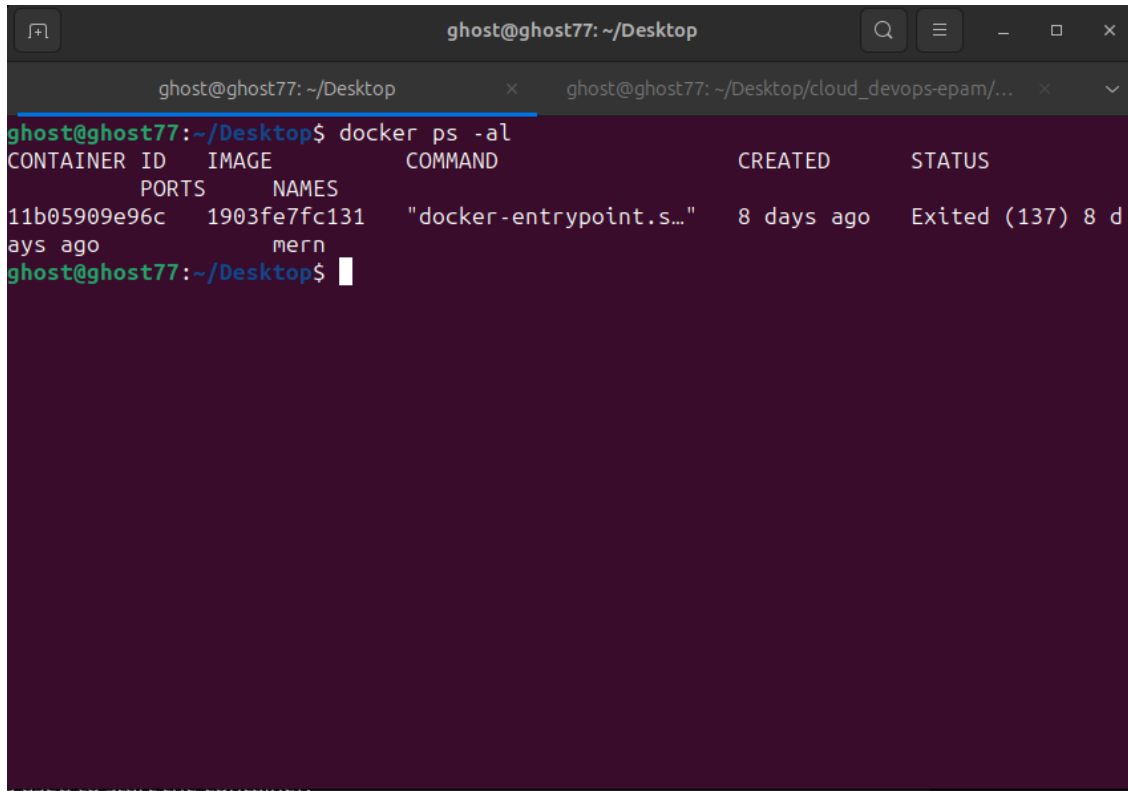
1. After signing up, Docker Hub will send a verification email to the email address you provided during registration.
2. Check your email inbox, locate the verification email from Docker Hub, and click on the verification link to verify your email address.

Step 4: Log in to Docker

1. Open a terminal on your Linux system.
2. Log in to Docker Hub by running the following command:

```
sudo docker login
```

3. Enter your Docker Hub username and password when prompted.



```
ghost@ghost77: ~/Desktop
ghost@ghost77: ~/Desktop$ docker ps -al
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS          NAMES
11b05909e96c   1903fe7fc131                        "docker-entrypoint.s... 8 days ago    Exited (137) 8 d
ays ago
mern
```

