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Install Docker On Ubuntu

1. Update your system

```
sudo apt update && sudo apt upgrade -y  
sudo reboot
```

2. Install necessary dependencies

Docker requires some packages to be installed first:

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

3. Add Docker's official GPG key

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo tee /etc/apt/trusted.gpg.d/docker.asc
```

4. Add Docker's stable repository

```
sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable"
```

5. Update the package database

```
sudo apt update
```

6. Install Docker

Now, install Docker:

```
sudo apt install docker-ce -y
```

7. Check if Docker is installed properly:

After the installation completes, verify Docker is running with:

```
sudo systemctl status docker
```

You should see something like this if it's working:

Active: active (running)

8. Run Docker as a non-root user (Optional):

By default, Docker requires `sudo` to run. To avoid using `sudo` every time, you can add your user to the `docker` group:

```
sudo usermod -aG docker $USER
```

** Now, you will need to log out and log back in to apply the changes **

9. Verify Docker installation:

Finally, run:

```
docker --version
```

This should print out the installed Docker version, confirming that Docker is installed and running.