

DOCKER INSTALLATION

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Docker is **an open source containerization platform**. It enables developers to package applications into containers—standardized executable components combining application source code with the operating system (OS) libraries and dependencies required to run that code in any environment.

Steps for Installing Docker:

1. Open the terminal on Ubuntu.
2. Remove any Docker files that are running in the system, using the following command:

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

After entering the above command, there is a need to enter the password of the root.

3. Check if the system is up-to-date using the following command: It updates this on your local system.

```
$ sudo apt-get update
```

4. Install Docker using the following command:

```
$ sudo apt install docker.io
```

we'll then get a prompt asking you to choose between y/n - choose y

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

```
$ sudo snap install docker
```

6. Before testing Docker, check the version installed using the following command: this will render all version information in an easy to read layout.

```
$ docker --version
```

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

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

Here, *hello-world* is the docker image present on the Docker hub.

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

Docker image – we can consider docker file as blue print of docker image.

```
$ sudo docker images
```

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

```
$ sudo docker ps -a
```

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

This command basically shows the container status.

```
$ sudo docker ps
```

You've just successfully installed Docker on Ubuntu!