

# Docker

Docker is an open-source project that automates the deployment of Linux applications inside software containers. Quote of features from Docker web pages:

Docker containers wrap up a piece of software in a complete filesystem that contains everything it needs to run: code, runtime, system tools, system libraries – anything you can install on a server. This guarantees that it will always run the same, regardless of the environment it is running in.

Docker provides an additional layer of abstraction and automation of operating-system-level virtualization on Linux. Docker uses the resource isolation features of the Linux kernel such as cgroups and kernel namespaces, and a union-capable file system such as aufs and others to allow independent “containers” to run within a single Linux instance, avoiding the overhead of starting and maintaining virtual machines.<sup>1)</sup>

Install Docker :

```
sudo apt-get install docker.io
```

Kemudian unduh image ubuntu :

```
docker pull ubuntu
```

Jalankan container :

```
docker run -i -t ubuntu /bin/bash
```

Masuk deh ke container :

```
root@8ca23c655c05:/#
```

Setelah itu, keluar

```
root@8ca23c655c05:/# exit
```

Sekian dulu...

<sup>1)</sup>

[Docker di Wikipedia](https://id.wikipedia.org/wiki/Docker)

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