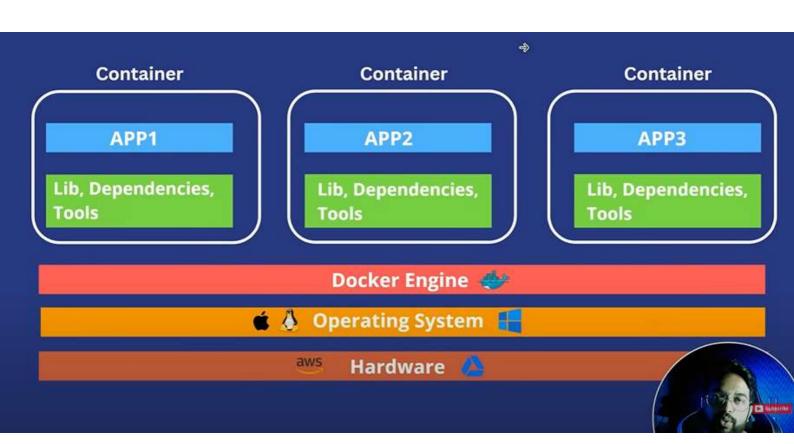
What is a Docker?

- Docker is a containerization platform for developing, packaging, shipping, and running applications.
- It provides the ability to run an application in an isolated environment called a container.
- Makes deployment and development efficient.

What is a Container?



- A way to package an application with all the necessary dependencies and configuration.
- It can be easily shared
- Makes deployment and development efficient.



App1



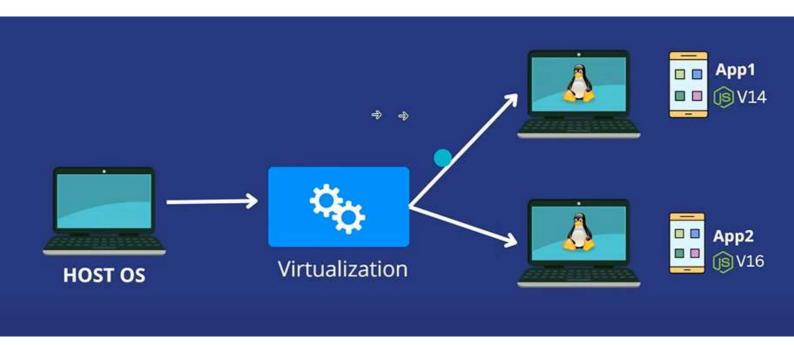


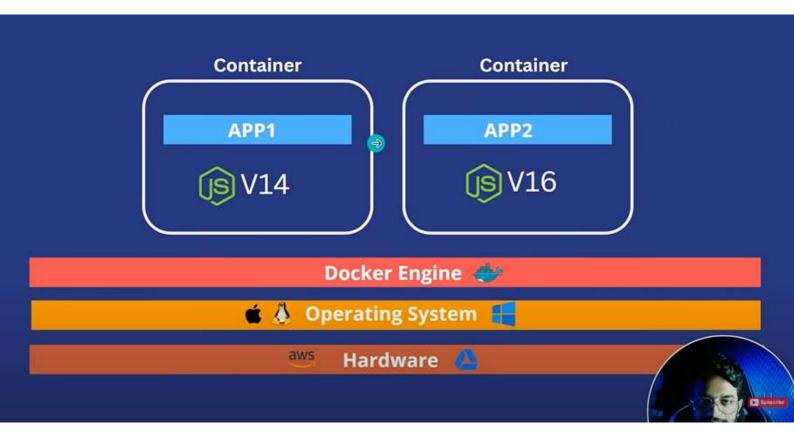
App2











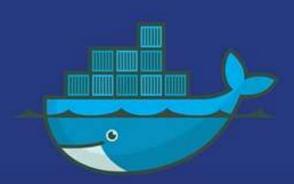
Docker Containers	VMs
Low impact on OS, very fast, low disk space usage	High impact on OS, slower, high disk space usage
Sharing, re-building and distribution is easy	Sharing, re-building and distribution is challenging
Encapsulate apps instead of whole machine	Encapsulate whole machine

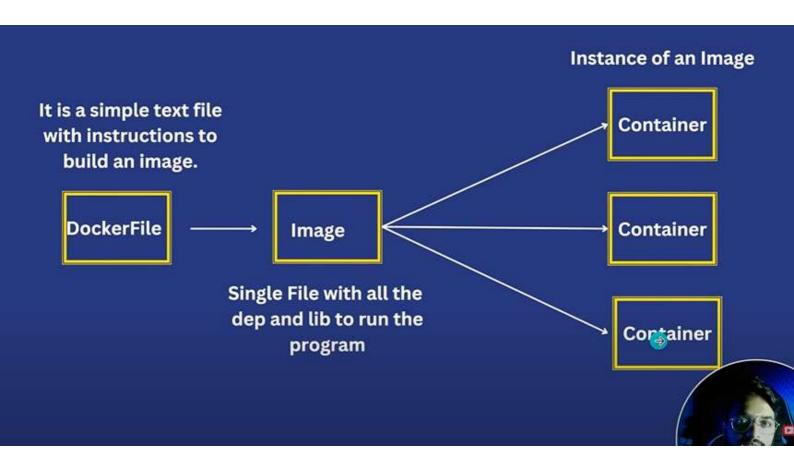
Main components of Docker

- DockerFile
- Docker Image



- Docker Container
- Docker Registry





Docker Registry

A Docker registry is a central repository for storing and distributing Docker images.

