

Docker

- ⇒ Tool for running applications in an Isolated Environment.
- ⇒ Similar to Virtual Machine.
- ⇒ App run in same environment.
- ⇒ Standard for software deployment

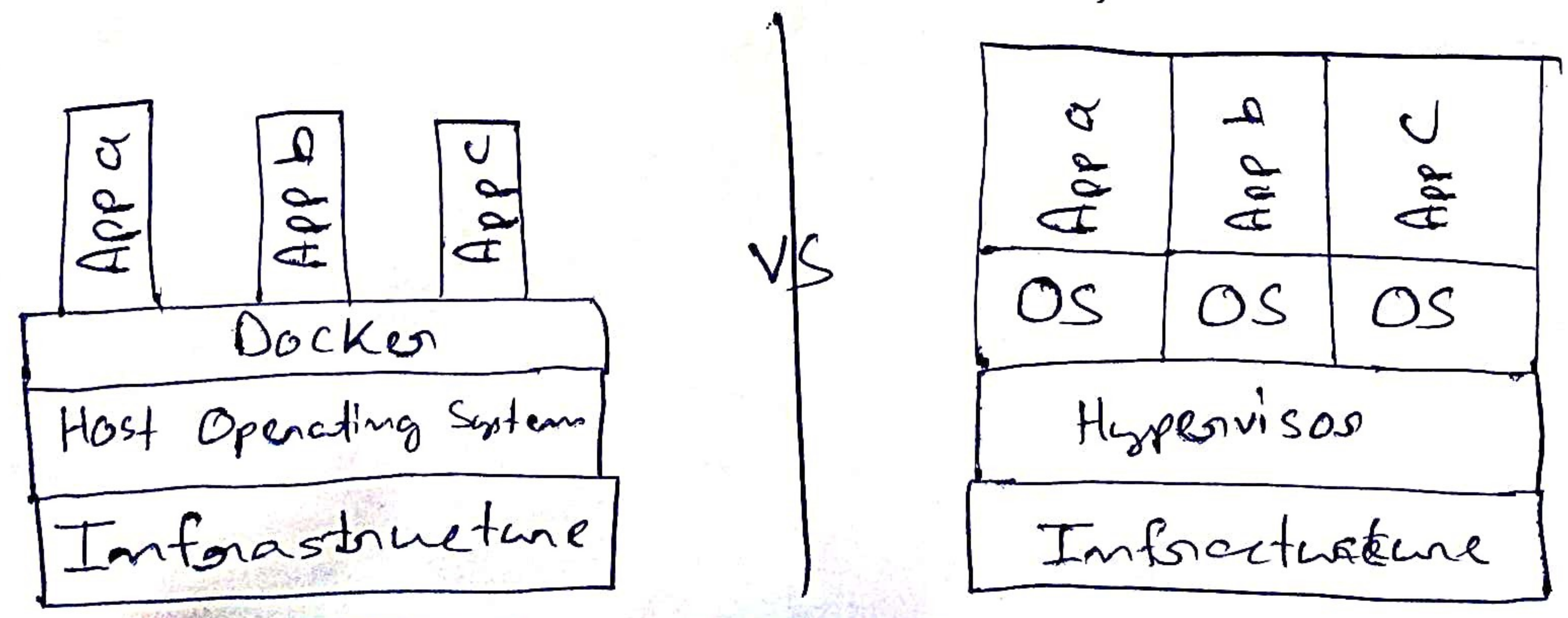
* Containers vs Virtual Machine

Containers

- Abstraction at the app layer that packages code and dependencies together.
- Multiple Containers can run on the same machine & share the OS Kernel with other Containers.
- Each running as isolated processes in user space.

Virtual Machines

- Abstraction of physical hardware turning one server into many servers.
- Hypervisor allows multiple VMs to run on a single machine.
- Each VM include a full copy of an Operating System.



★ Docker Image

- ⇒ Template for creating an environment of your choice.
- ⇒ Has everything need to run your Apps.
 - ↳ OS, Software, App code

★ Container

- ⇒ Running instance of an image.