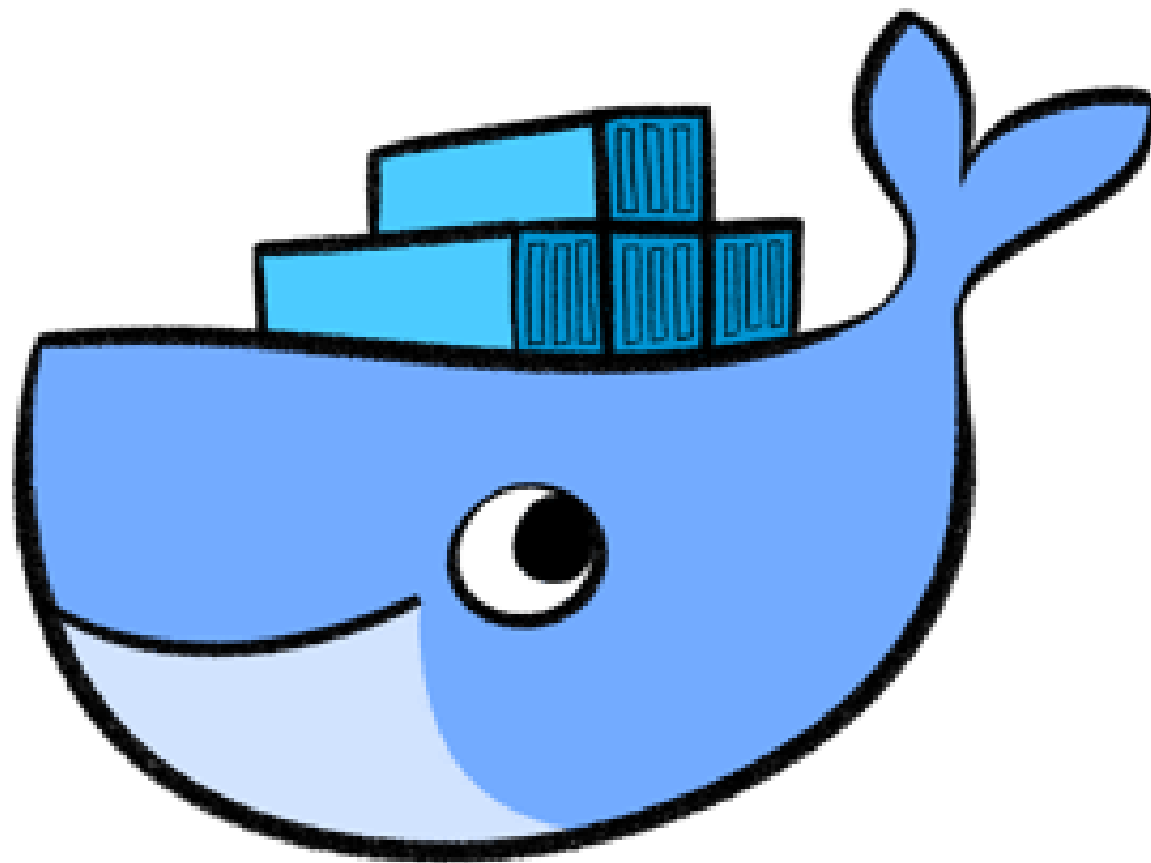


Docker

Larry Phouthavongsy



What is Docker?

Docker is a platform for operating-system-level virtualization also known as containerization.



Scenario

My build	Their build
Ubuntu 17.10	Ubuntu 15.04
Numpy 1.3	Numpy 2.0
...	...



Solution 1 – Virtual Machine

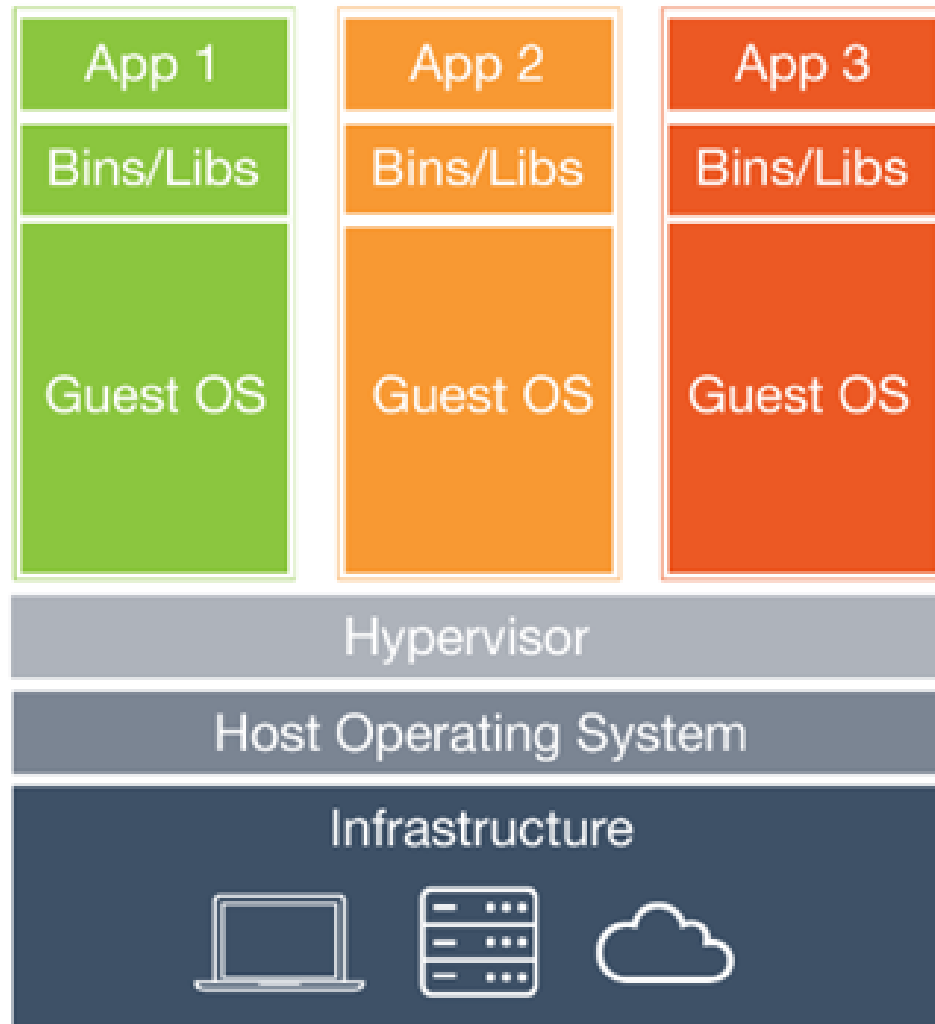
Pros	Cons
Original environment can be duplicated.	Must be installed on every computer.
	Large file.



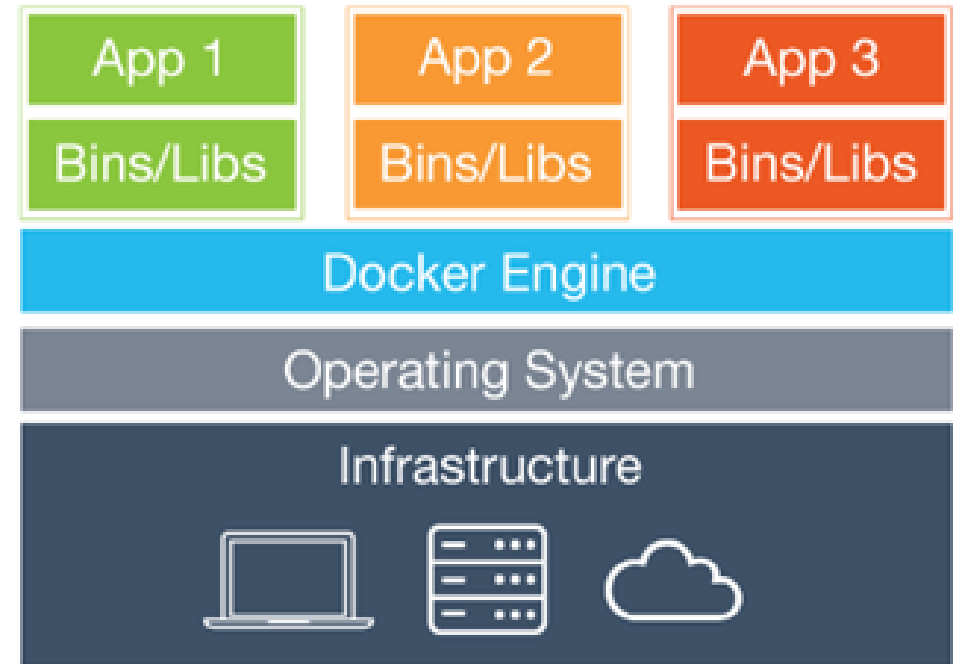
Solution 2 – Docker

Pros	Cons
Original environment can be duplicated.	Security issues.
Files are small.	
Can be shared. (Cluster, cloud)	





Virtual Machines



Containers

Inner-Loop development workflow for Docker apps

