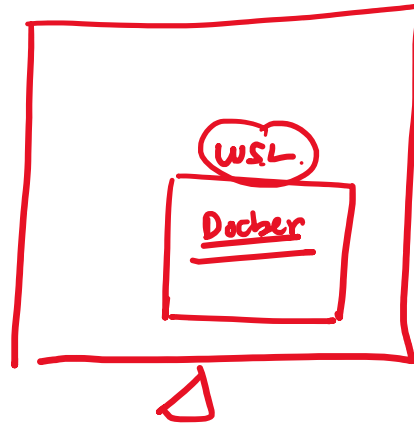


# Day-1 (Containerization with Docker)

Docker-Desktop      windows  
                                 Hyper-v

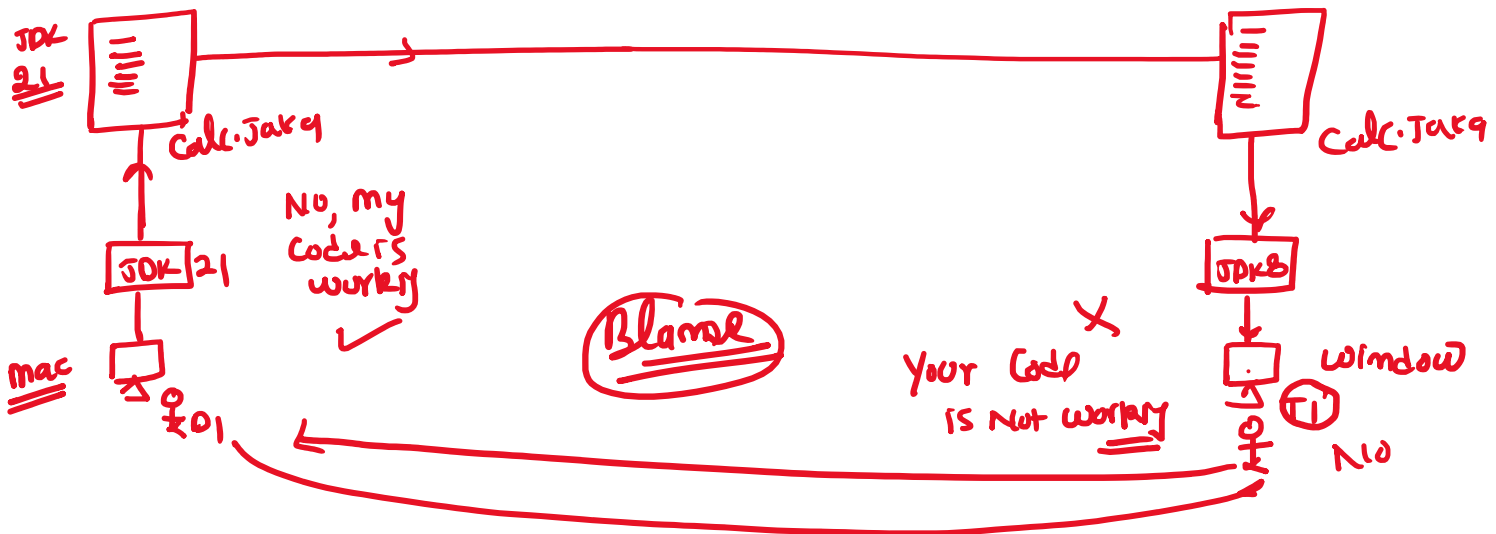


## Docker

Container Engine  
? How

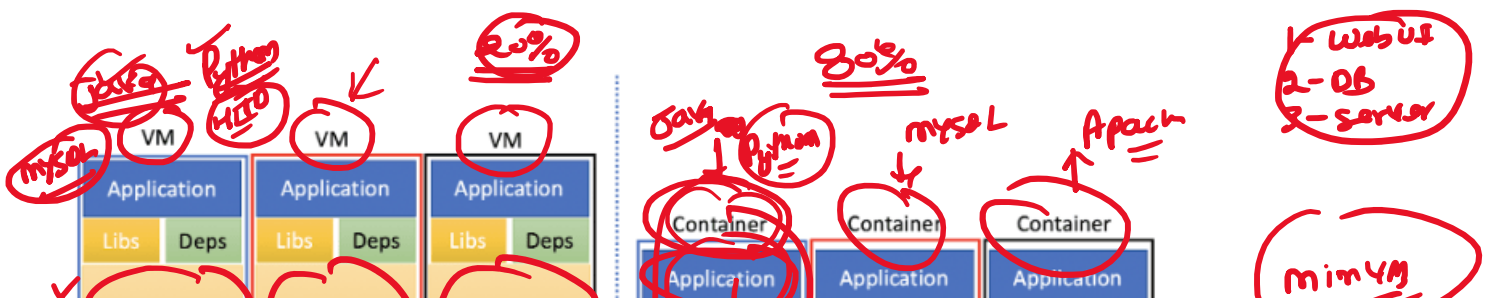
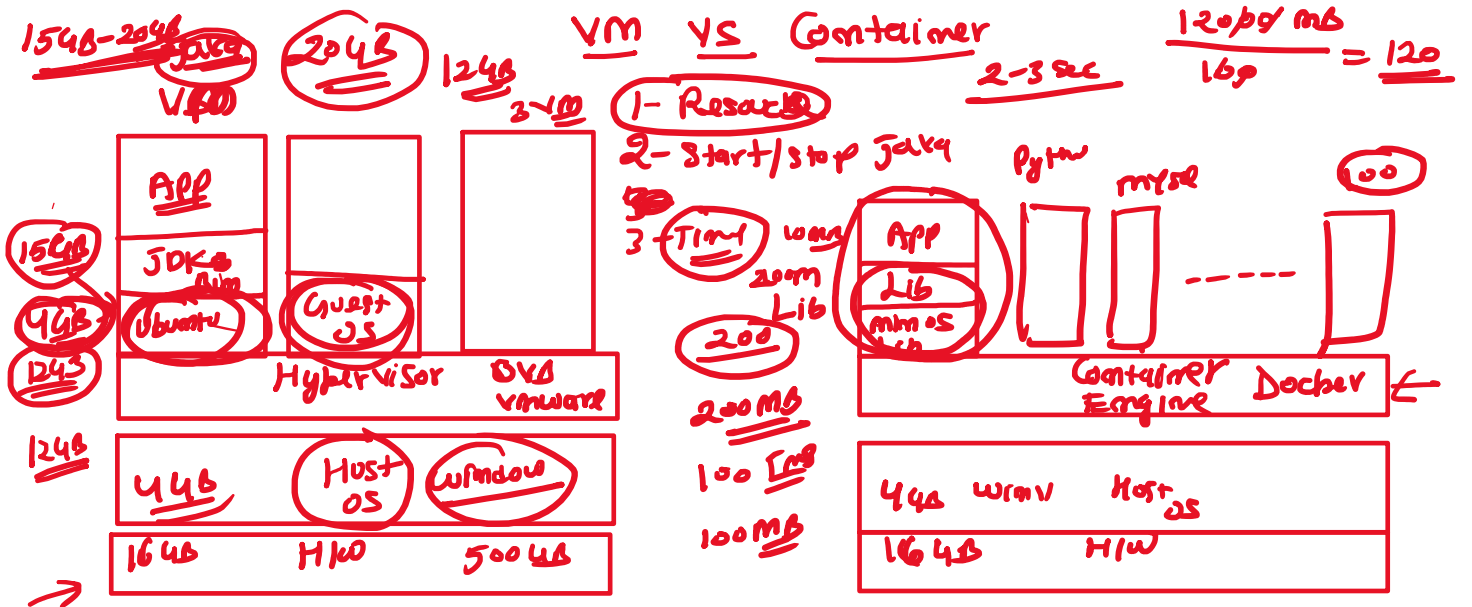
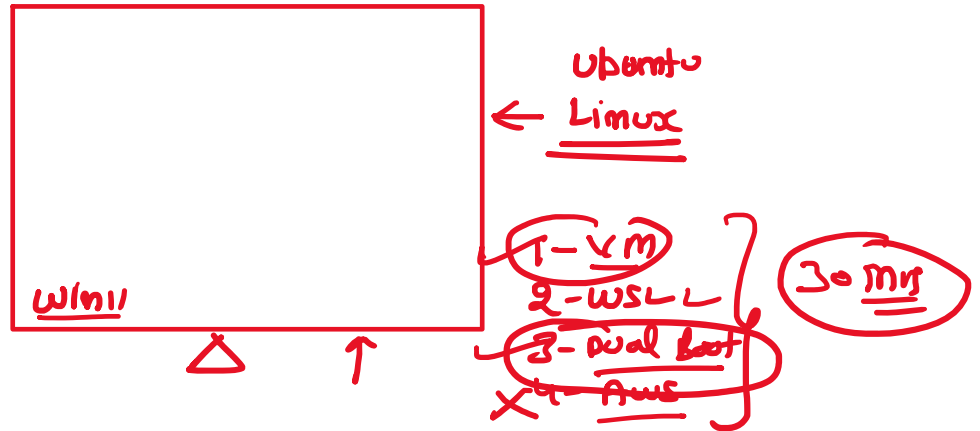
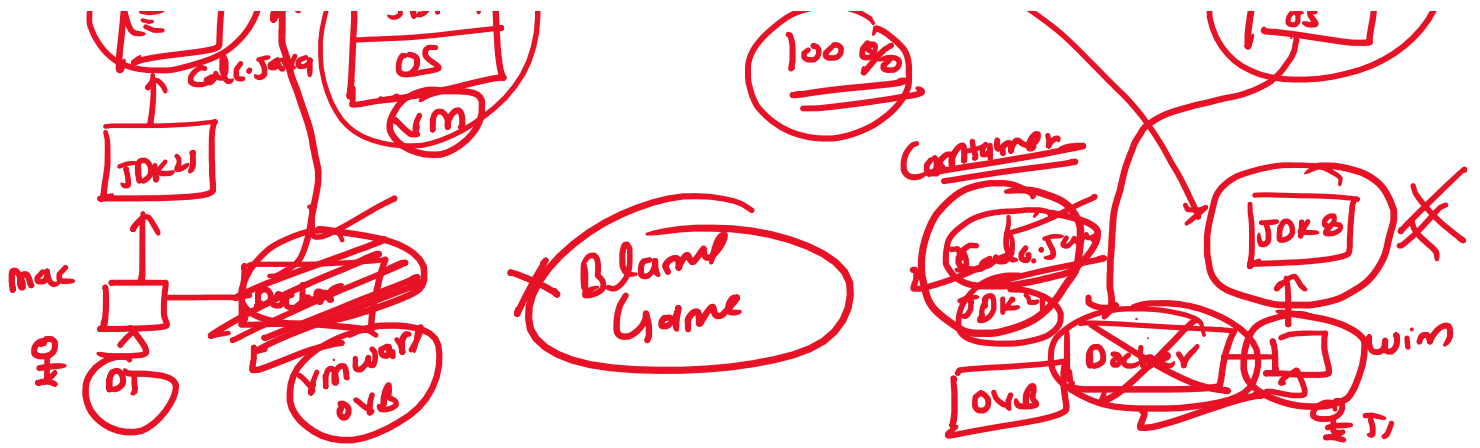
- why container is so popular
- How it is Diff. from VM
- why Docker is so popular

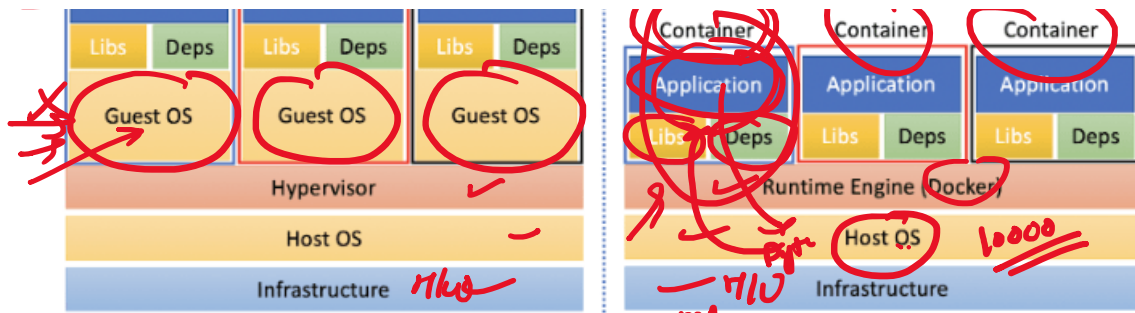
## Before Docker



## After Docker







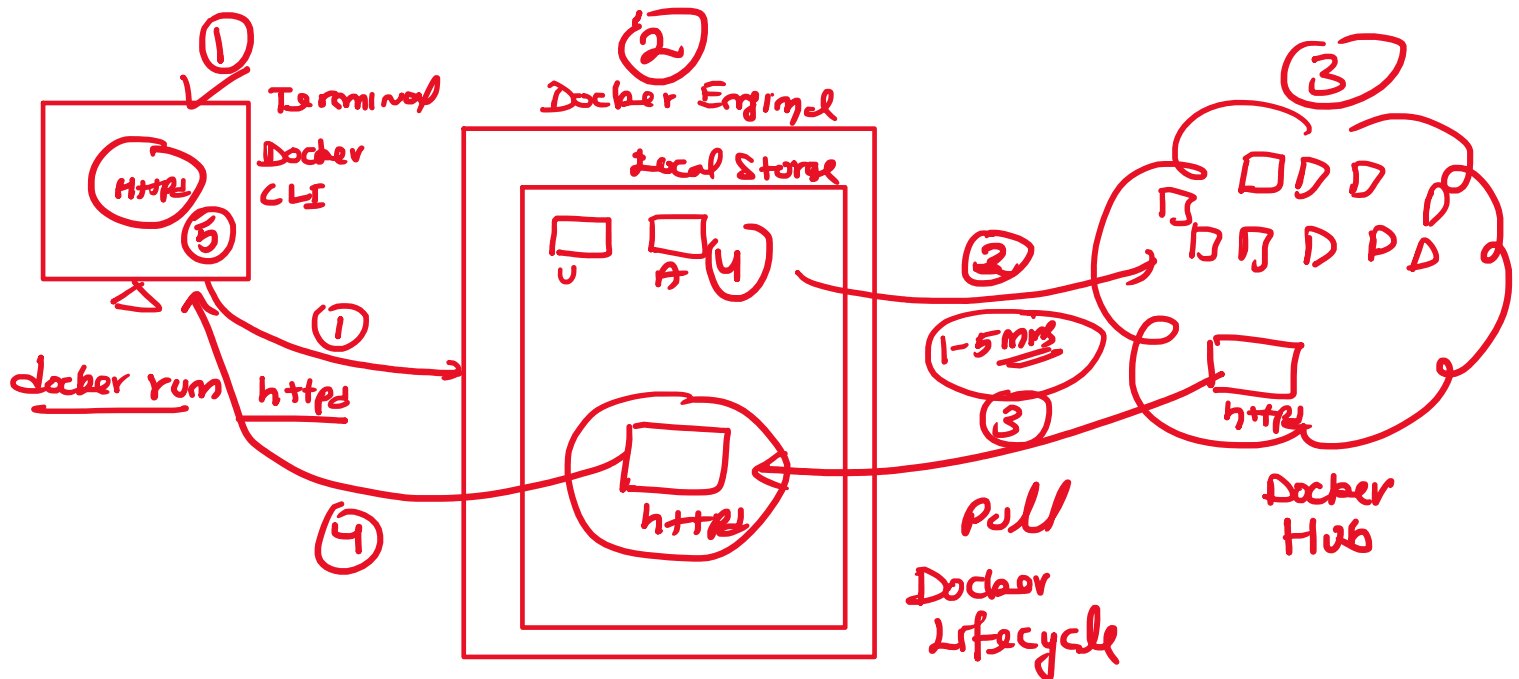
Heavy monolithic  
monolithic

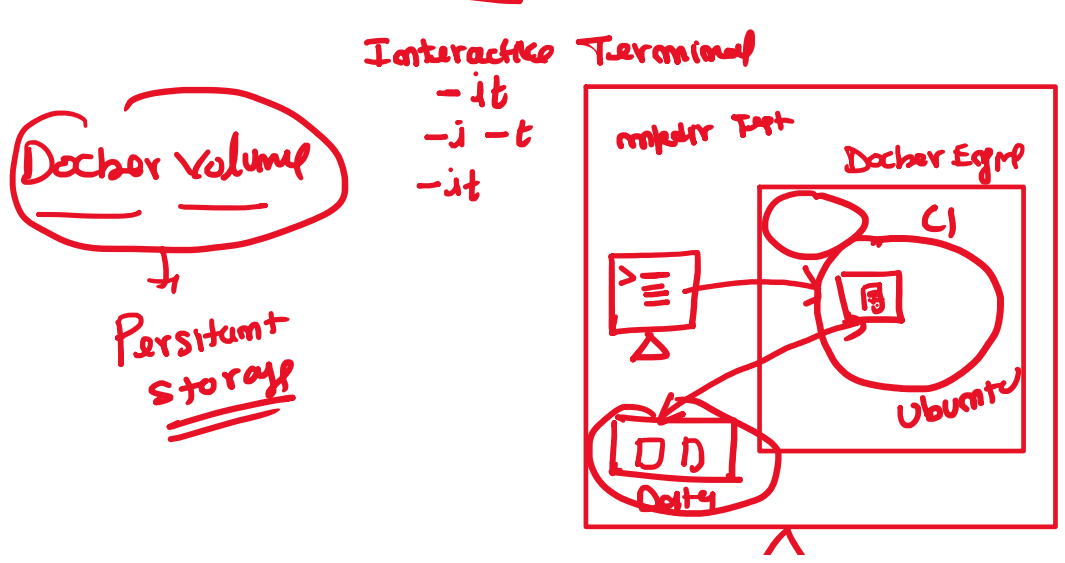
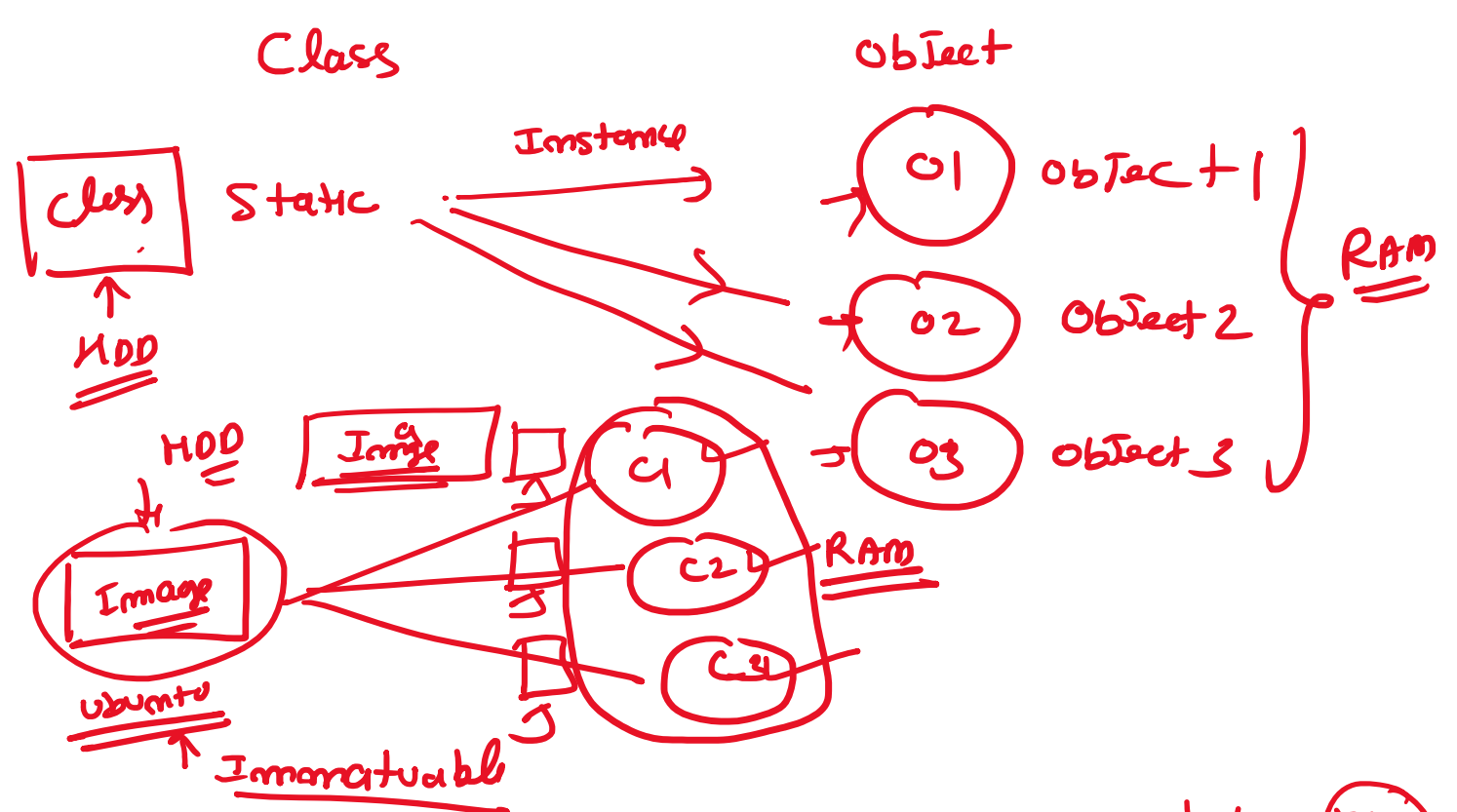
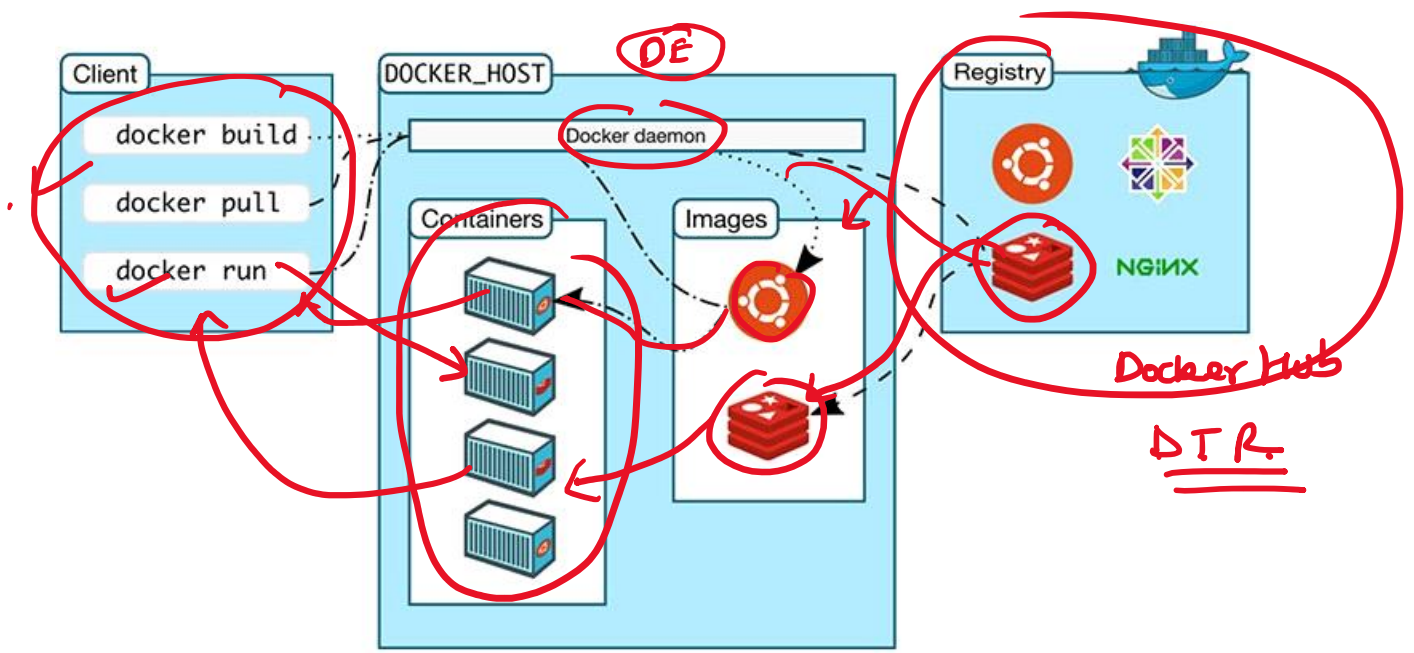
200mb  
 1.5 gb

## Docker Components

- 1- Docker Client
- 2- Docker Engine (Daemon)
- 3- Docker Registry
- 4- Docker Image
- 5- Docker Container

Docker  
 Ecosystem



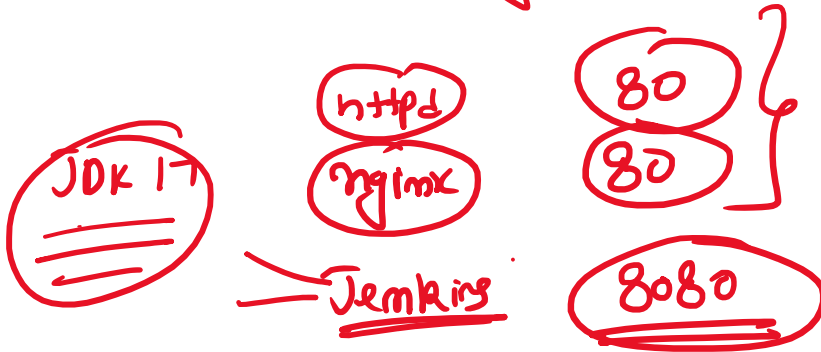


docker run



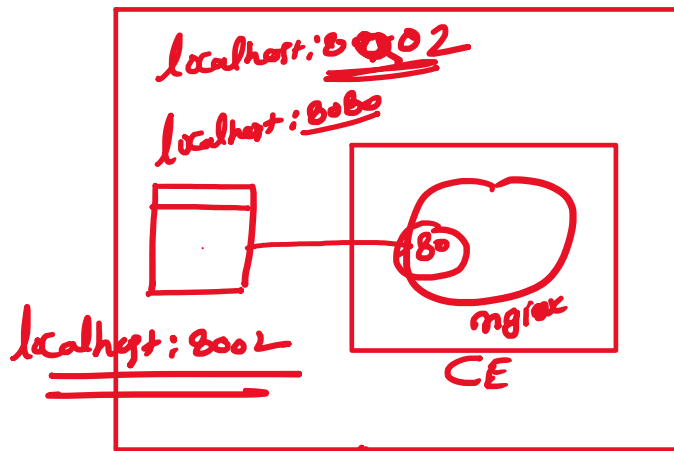
docker run -it ubuntu /bin/bash

Port mapping



8002:80

-p 8002:80



Isolated  
VM

→ docker run -p 8002:80 nginx

JDK → 15-20