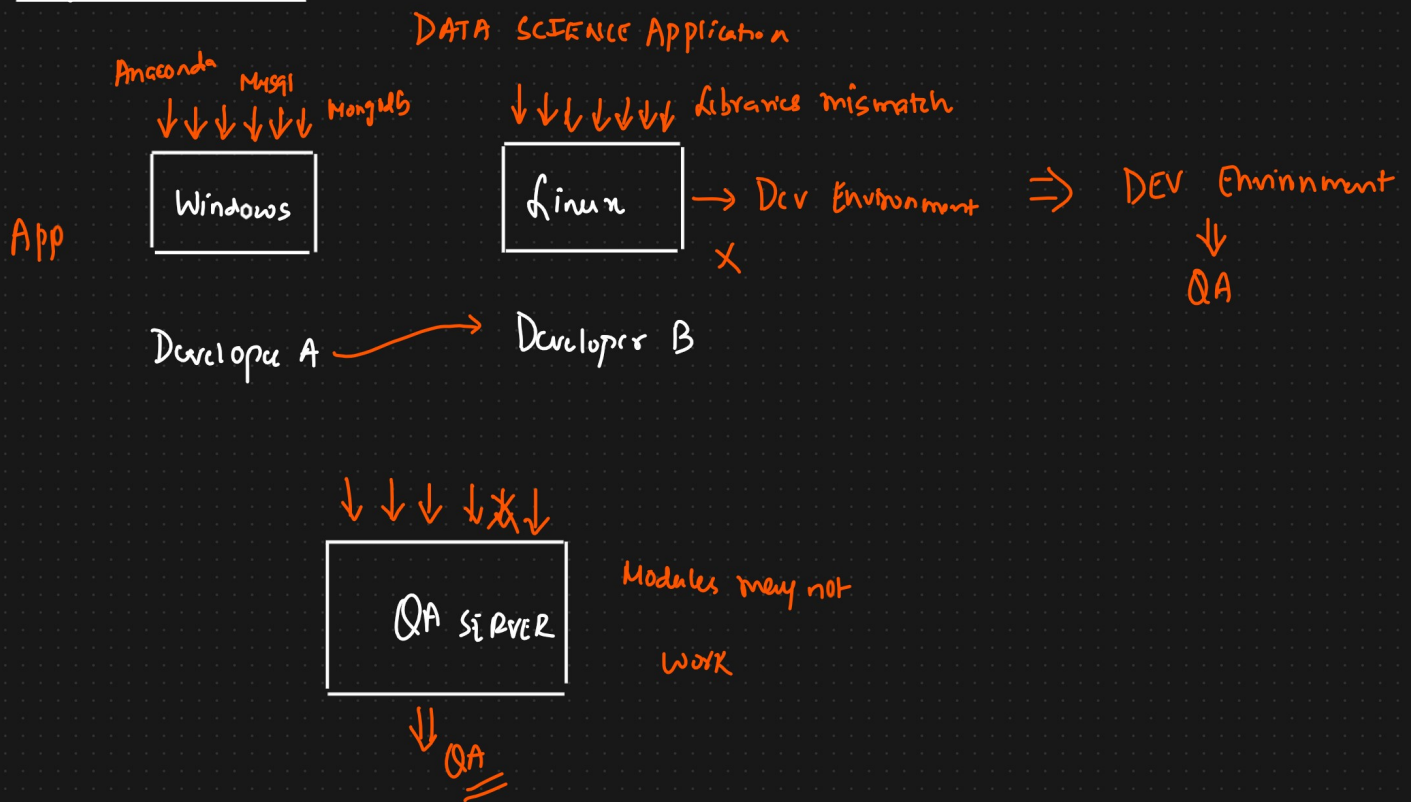


Docker Series



- ① What is Docker?
- ② What are Containers?
- ③ Containers Vs Virtual Machine
- ④ Docker Image Vs Container
- ⑤ Practical Implementation of Docker.

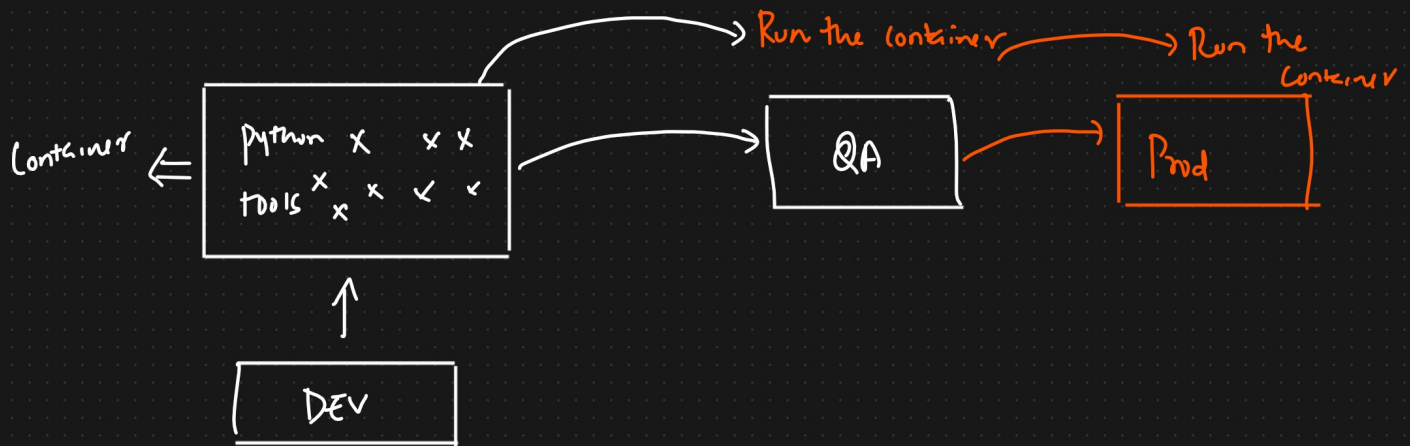
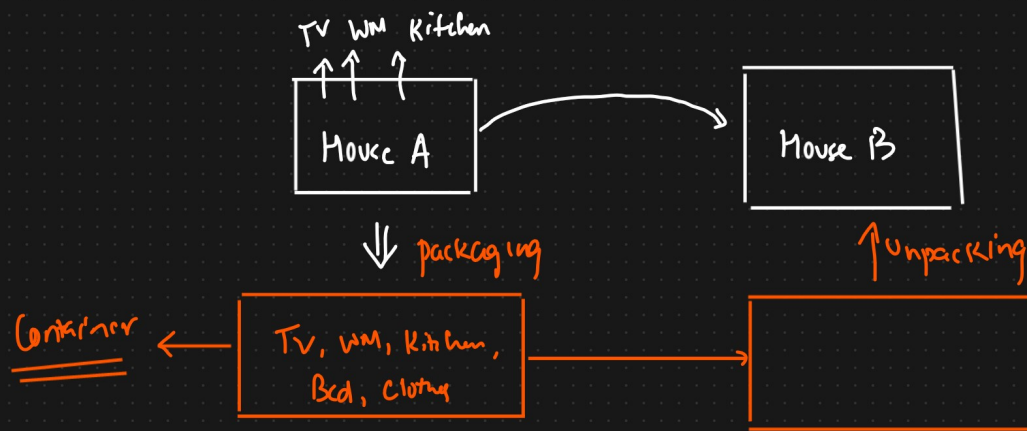
Why Containers?



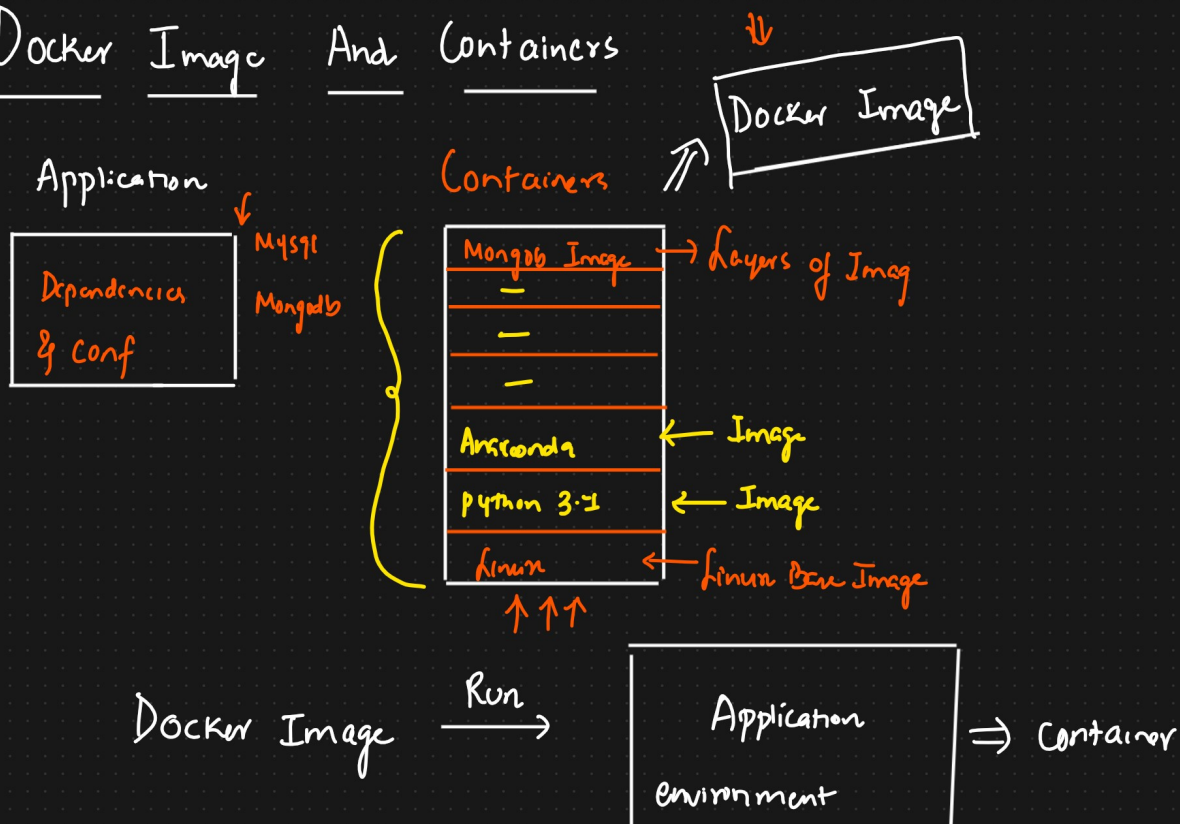
Containers

- a) A way to package application with all the necessary dependencies And configuration
- a) Portable artifact, easily share and move this package to any environment

4) Makes development and deployment move easy and efficient



Docker Image And Containers

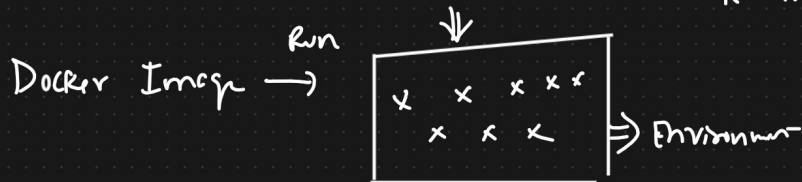


Docker Image

- ① Package or Artifact
- ② Move or share this Artifact

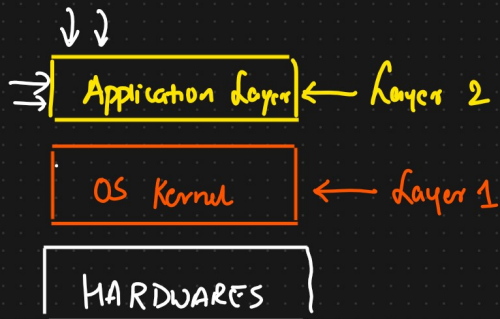
Container

- ① Docker Image \rightarrow Run
- ② Start the Application
- ③ Create a container \Rightarrow Environment
 \Downarrow
Running



③ Docker Vs Virtual Machine

Operating System



Windows 10 and greater

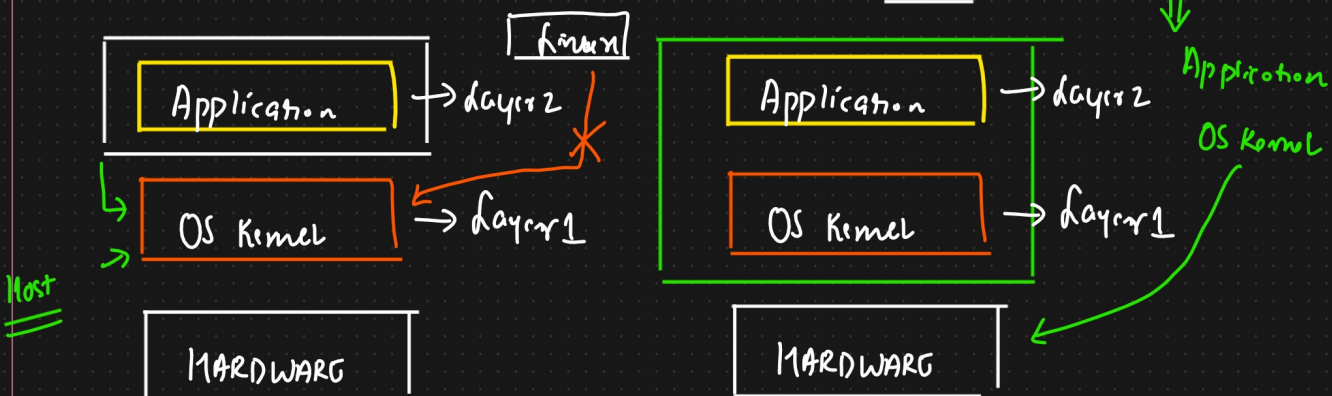


Dockers

Docker Images

VM

VM Install



① Dockers ÷ Docker Image size is usually smaller. (MB)
VM ÷ Size will be huge. (GB)

② Dockers ÷ Dockers Containers start and run much faster
VM ÷ VM is comparatively slower

Compatibility

{ Install VM on any OS }

{ Docker Images → Compatibility Issue }