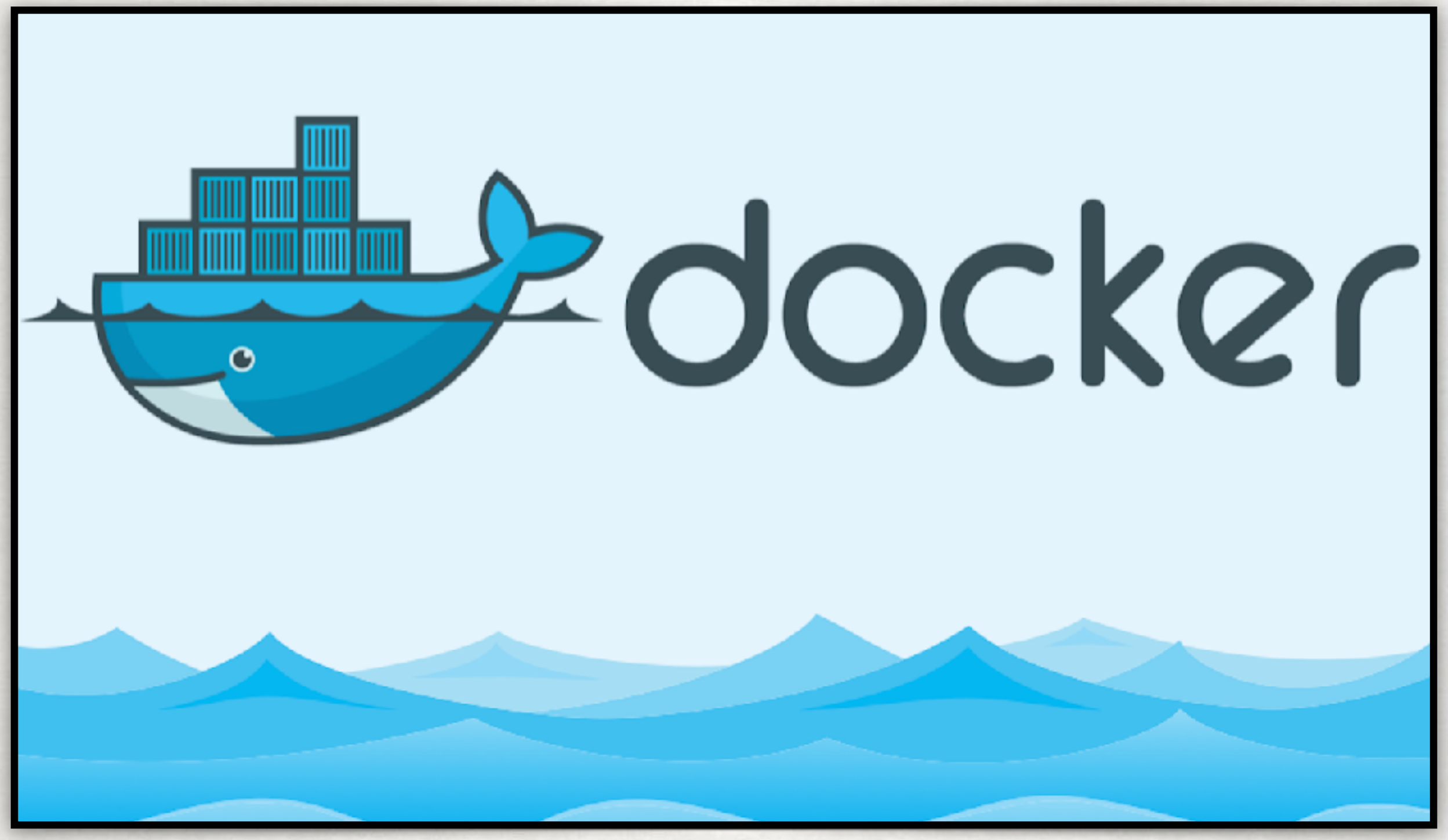
START USING DOCKER RIGHT NOW

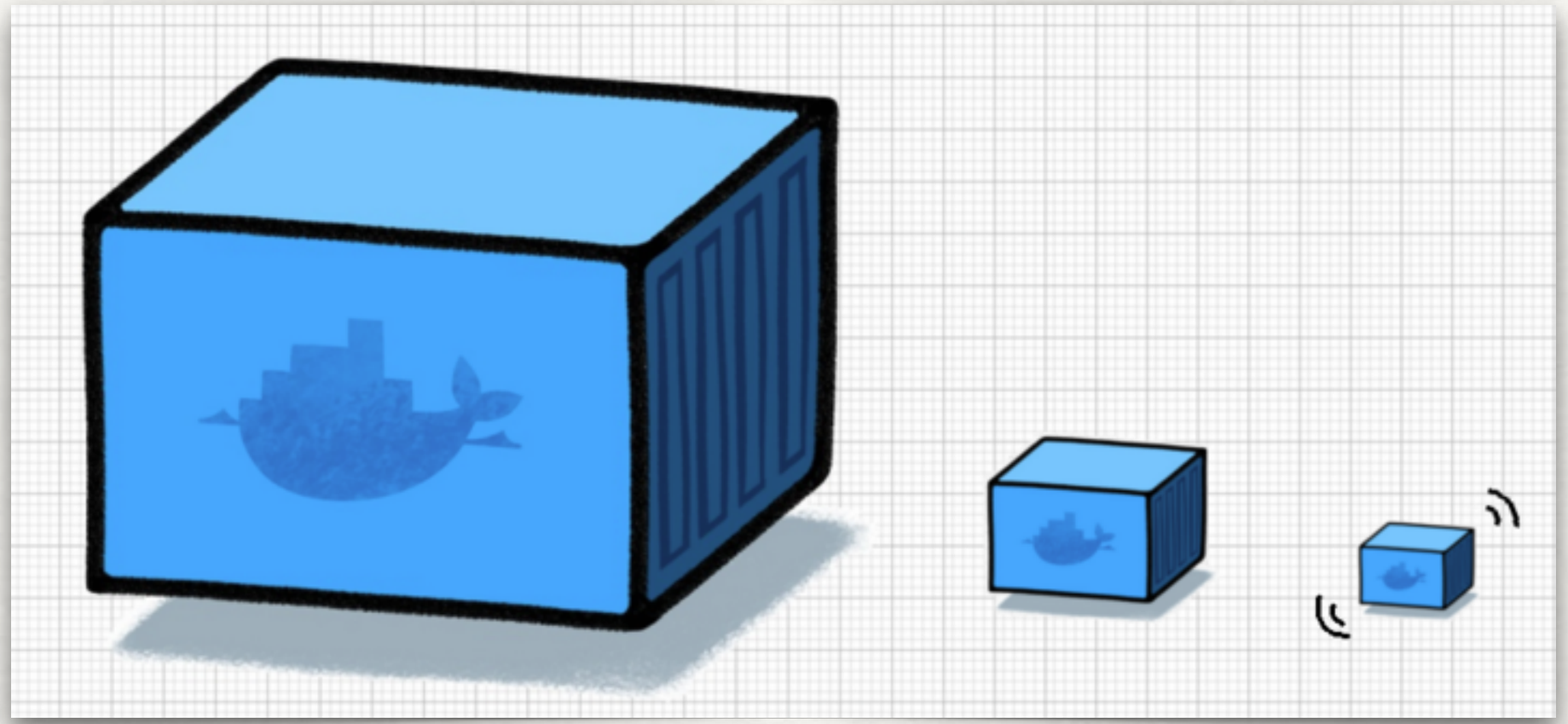


AGENDA

- What is Docker?
- Architecture
- How it’s works?
- Innovation
- Demo

WHAT IS DOCKER?

- Was released in March 2013 (OSS)
- "New Age" of virtualization: ***containers.***
- Allow independent containers to run on a single Linux instance.
- Uses the resource isolation feature of Linux kernel.

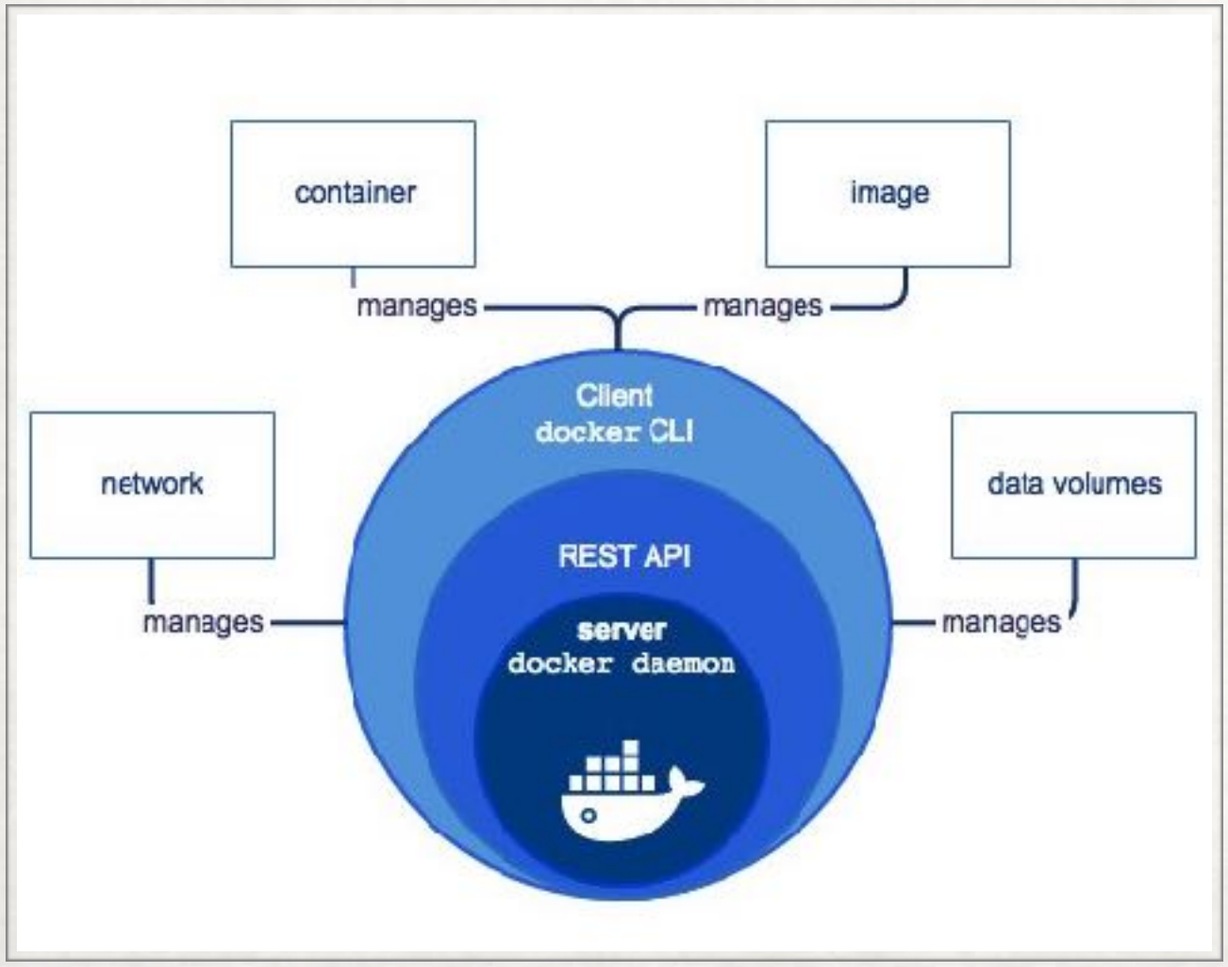


SORRY GUYS :(

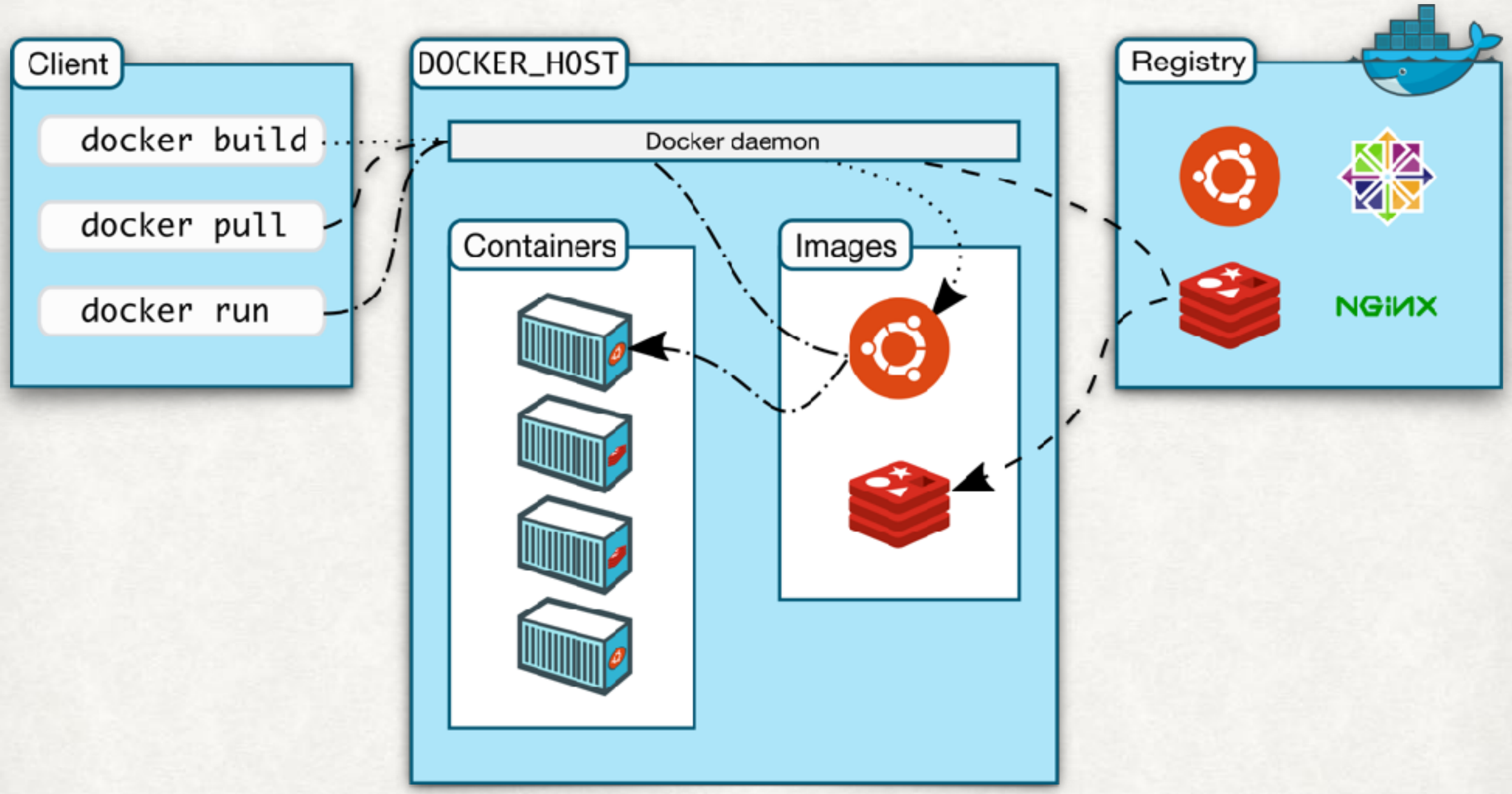
IT WORKED ON MY MACHINE.

ARCHITECTURE

- Docker Engine - is a client-server application, which contains:
    - a server (named **dockerd)** which actually is a daemon process
    - a REST API used to “talk” with the daemon process
    - a command line interface (CLI), named **docker.**

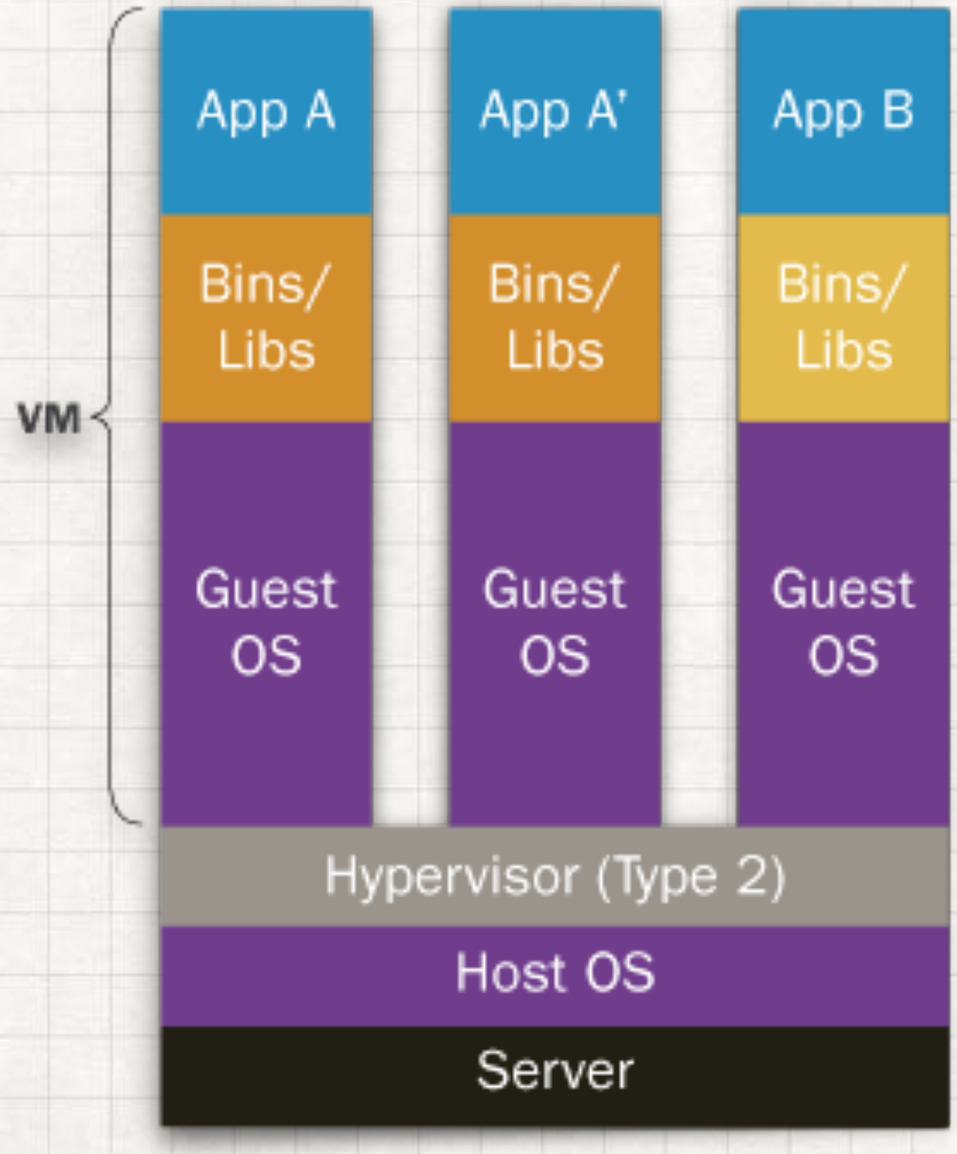


HOW IT WORKS?

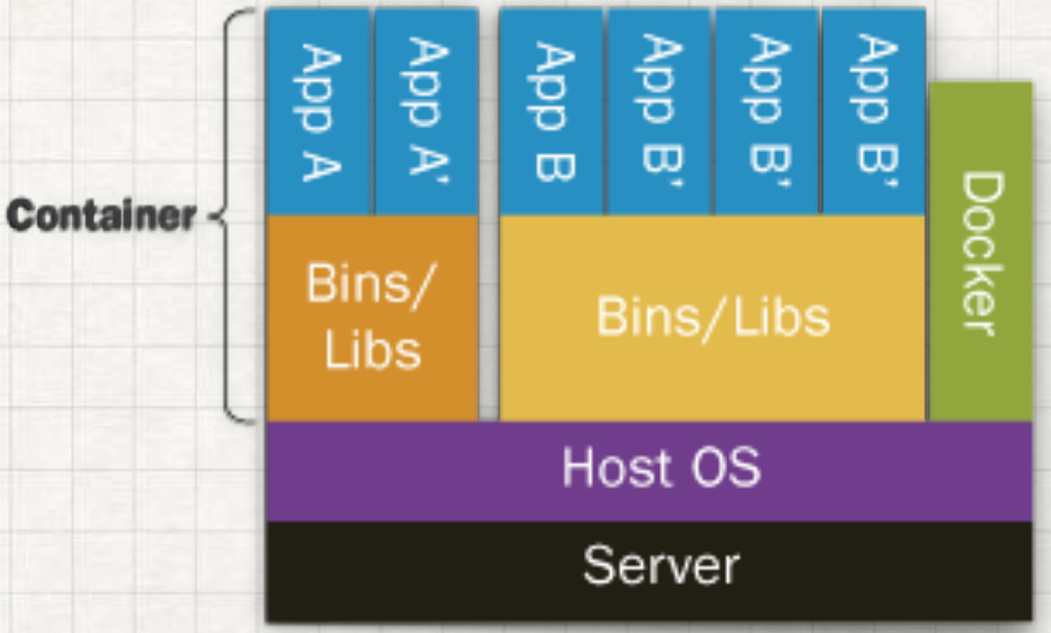

Client
docker build
docker pull
docker run
DOCKER_HOST
Docker daemon
Containers
Images
Registry
NGINX

INNOVATION

Containers vs. VMs



Containers are isolated, but share OS and, where appropriate, bins/libraries



IT'S TIME FOR A DEMO

http://tiny.cc/docker-example