

DOCKER 101

Introduction to Docker

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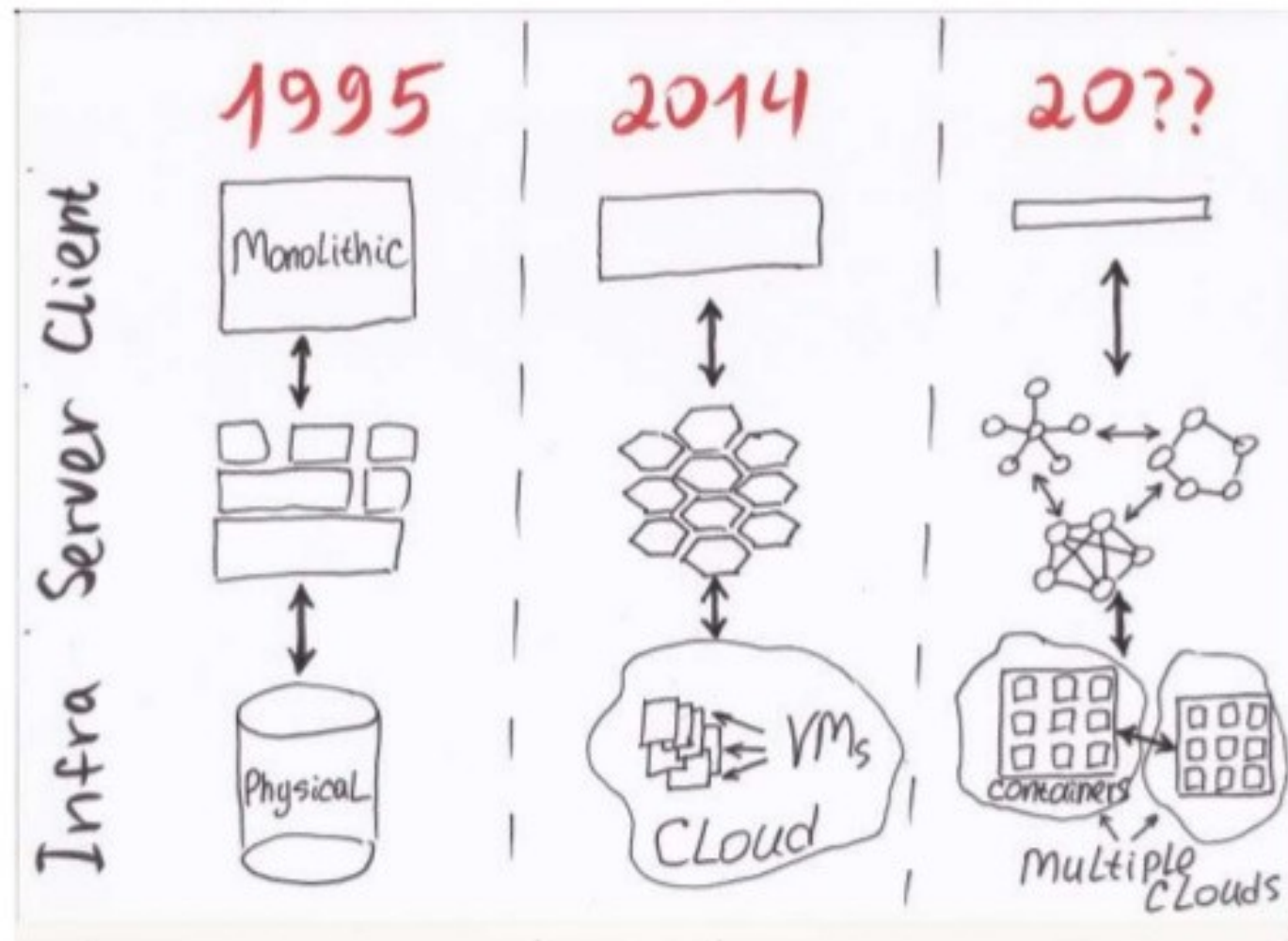
docker

About Me...

- Sergio Andrés Meneses
Sysadmin/DevOps



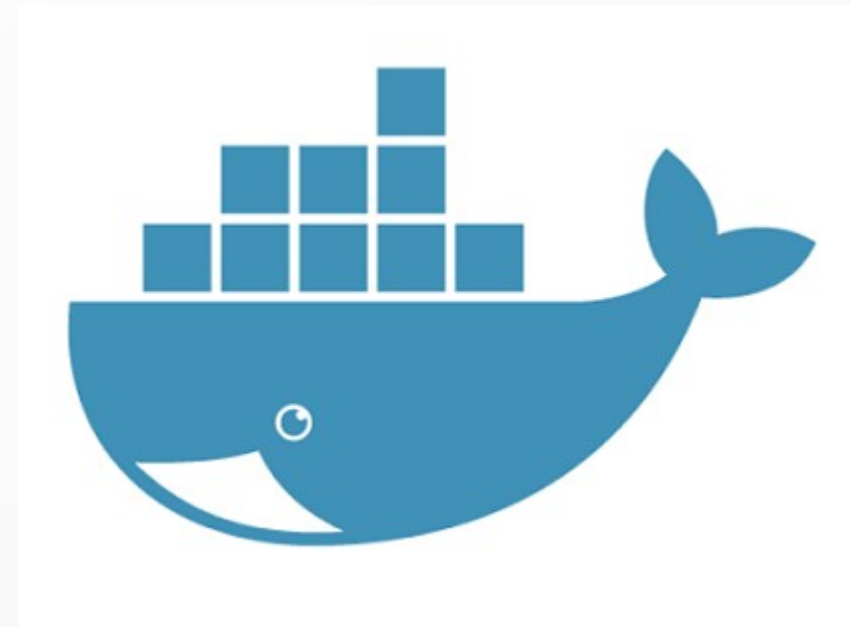
IT Evolution



What Is Docker?

“Build, Ship, And Run Any App, AnyWhere!”

- Only a platform?
- Containerization and Deployment?



Technical Details

Run anywhere

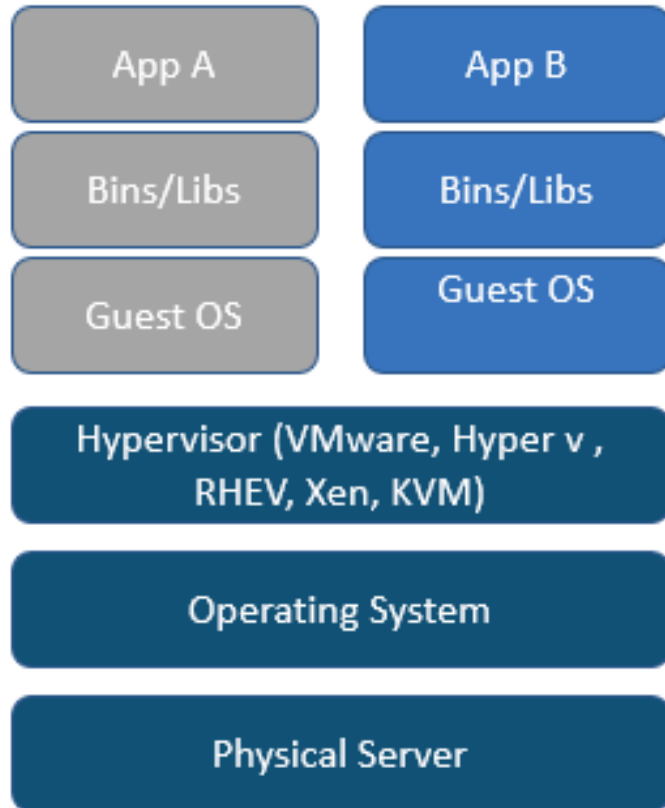
- Regardless of kernel version.
- Regardless of the host OS.
- Physical or Virtual or Cloud.

Run anything

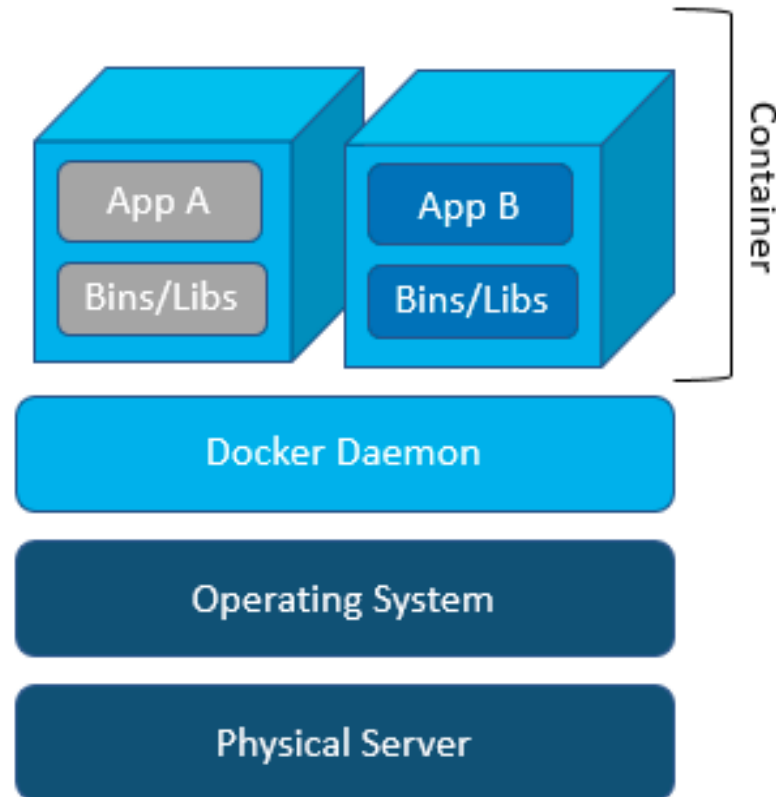
- If it runs on your host, it will run on a container.
- Deploy your app at anytime.
- Containers are highly self sufficient and encapsulated, allowing you to replace or upgrade one without disrupting others.

Vm vs Containers

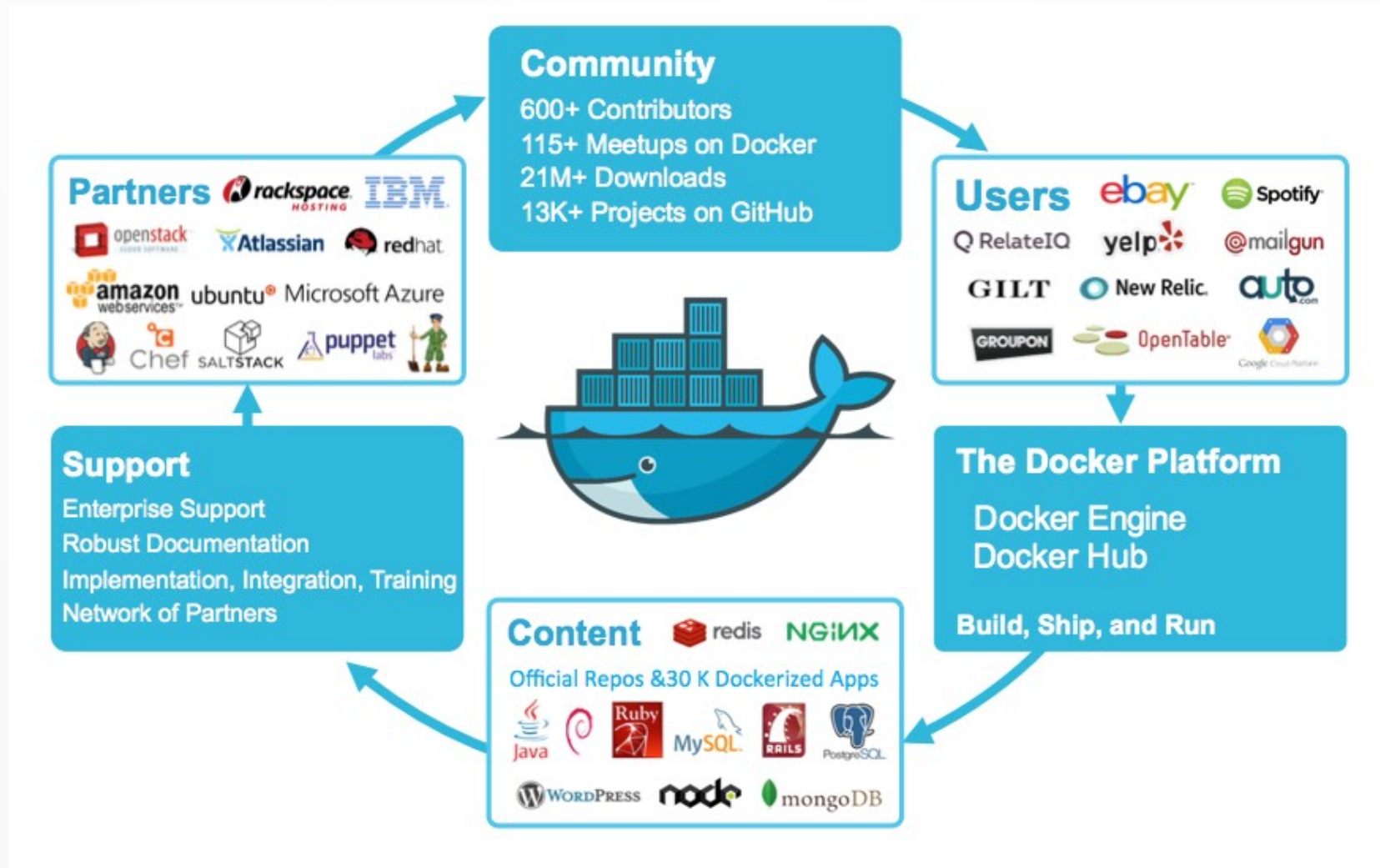
Virtual Machine



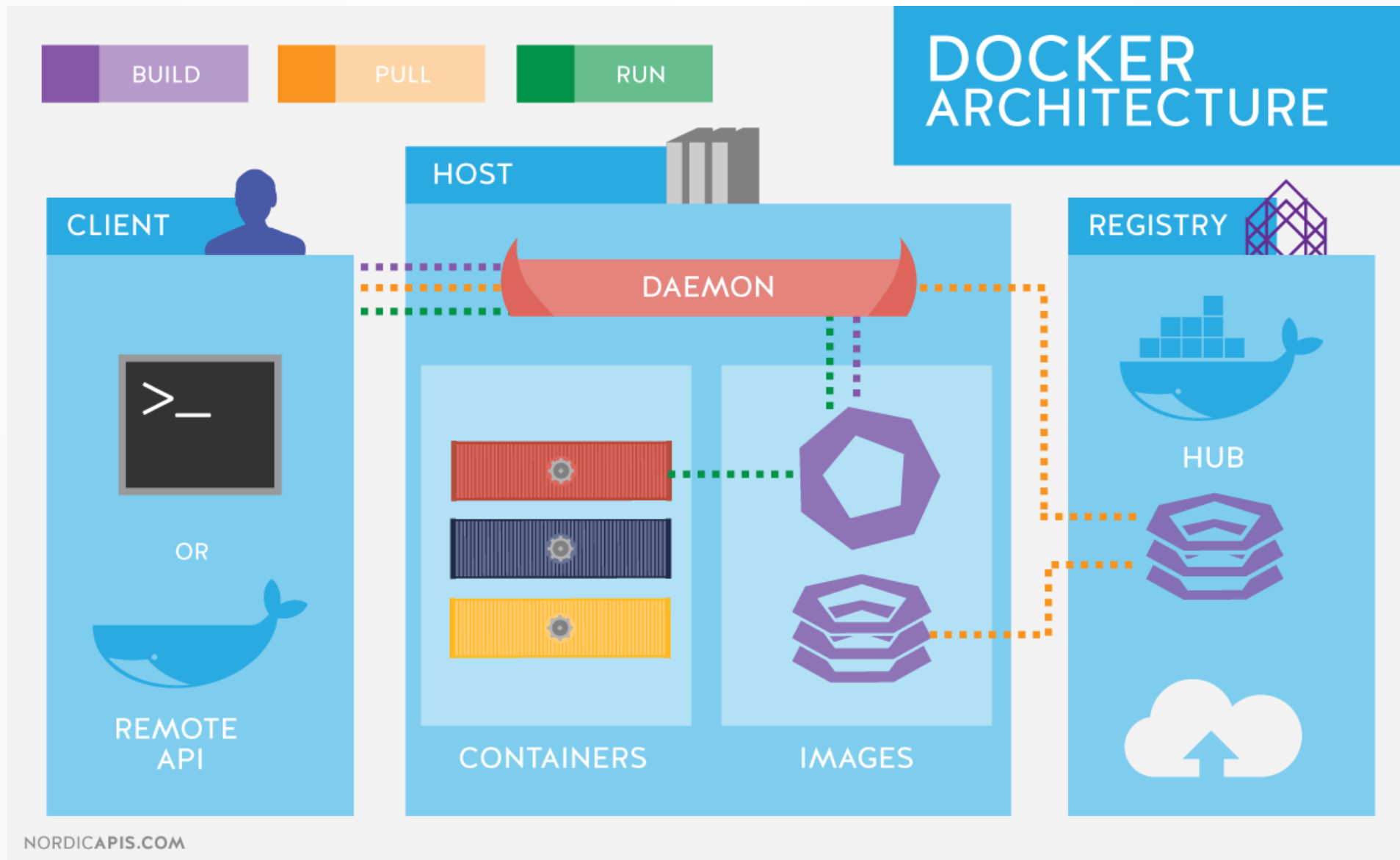
Docker



Why Docker?

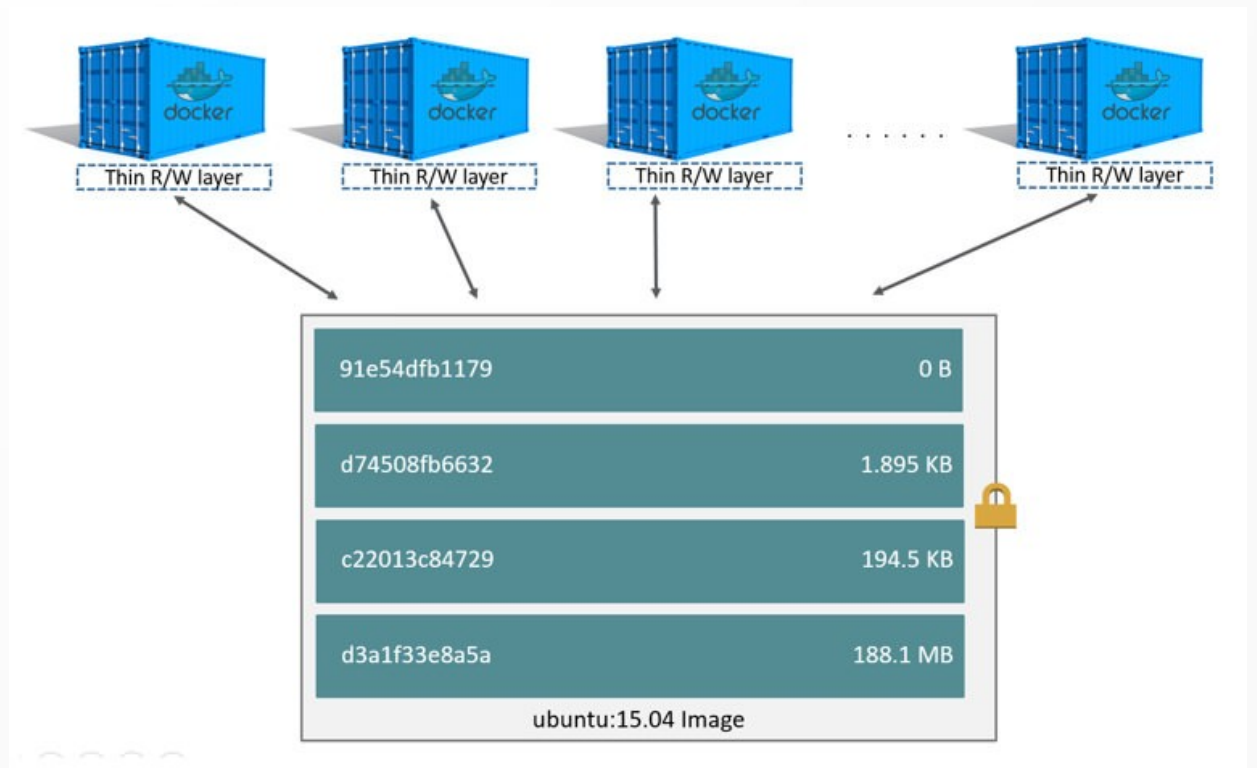


How to Build



Docker Images

- Template for containers.
- Versioning of Images.
- Each action is a layer.
- My own images?...



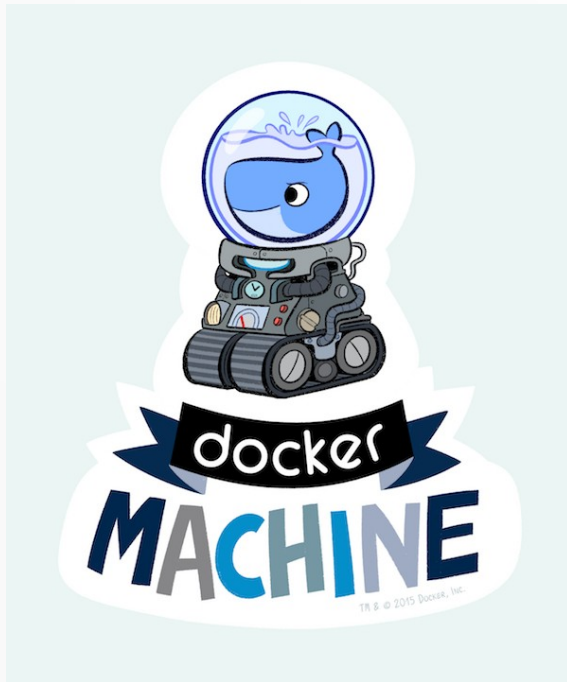
Dockerfile!

```
FROM nginx

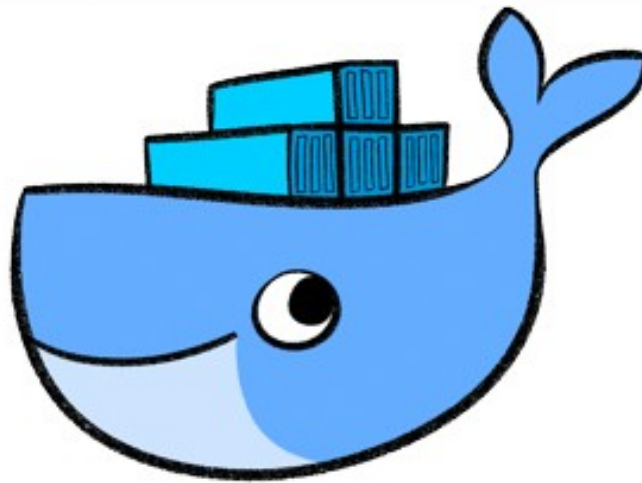
LABEL maintainer "SergioMeneses sergioandresmeneses@gmail.com"

USER root
RUN rm -rf /etc/nginx/ssl/
RUN mkdir /etc/nginx/ssl/
COPY certs/* /etc/nginx/ssl/
COPY default.conf /etc/nginx/conf.d/
EXPOSE 80
EXPOSE 443
```

Docker Tools



Demo...



Basic Docker Training

Learning more!

- <https://www.docker.com/get-started>
- IRC: freenode #docker
- Meetups: <http://www.docker.io/meetups>
- Google Group: docker-user
- Twitter: @docker

