



S1 - Beginners

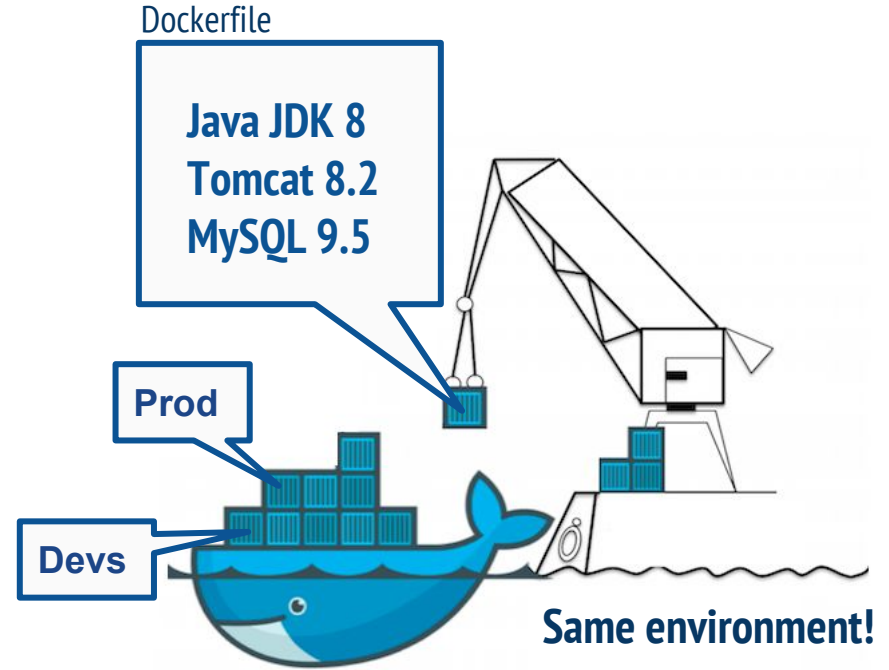
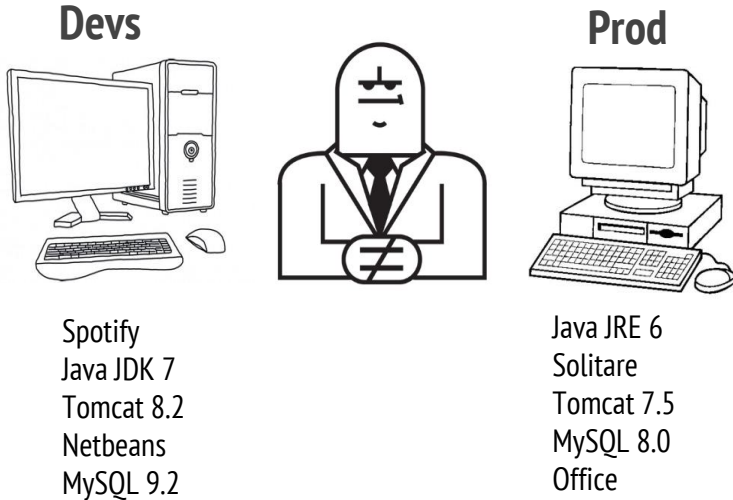
Catherin Cruz - Pablo Bastidas



VP Internal Training - 2017

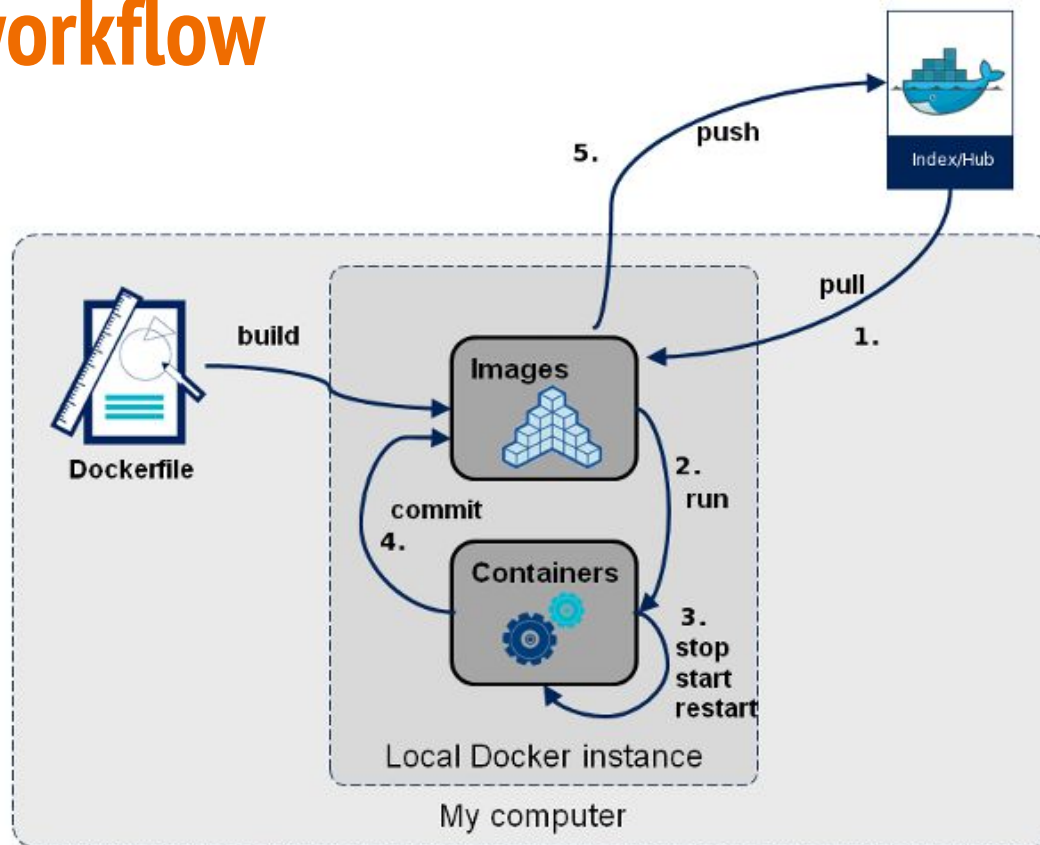


What is Docker?





Docker workflow





Why use Docker



Simplifying
Configuration

Code Pipeline
Management



Developer Productivity

App Isolation



Server Consolidation

Debugging Capabilities



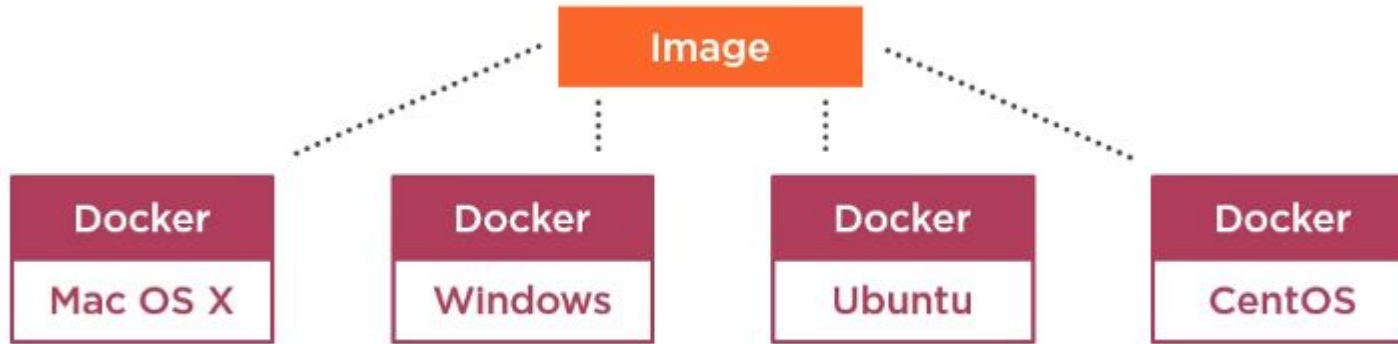
Multi-tenancy

Rapid
Deployment





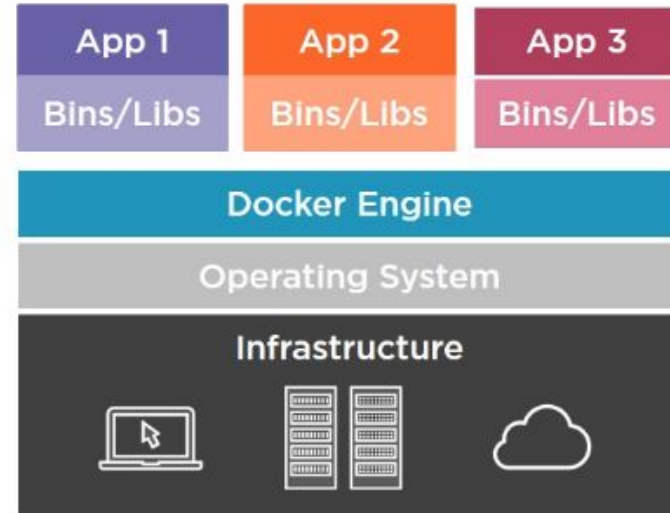
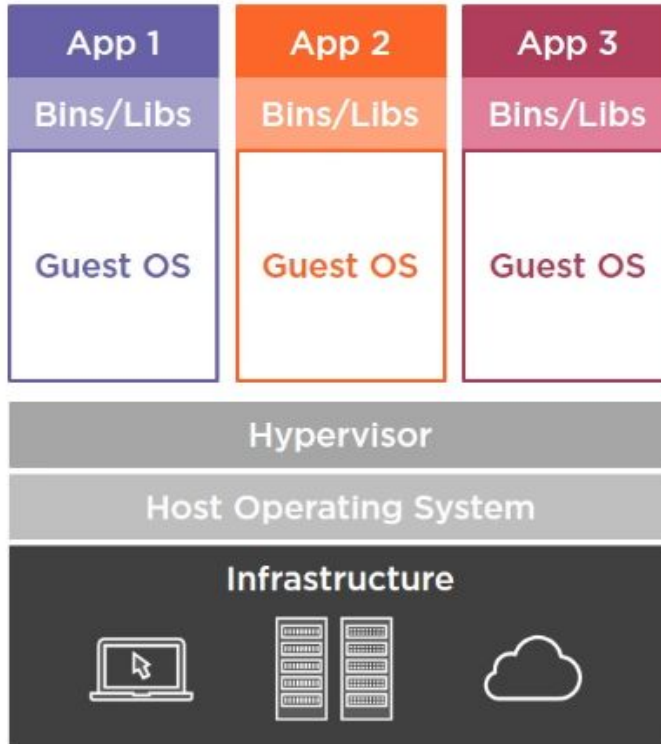
PODA



PODA = Package Once Deploy Anywhere

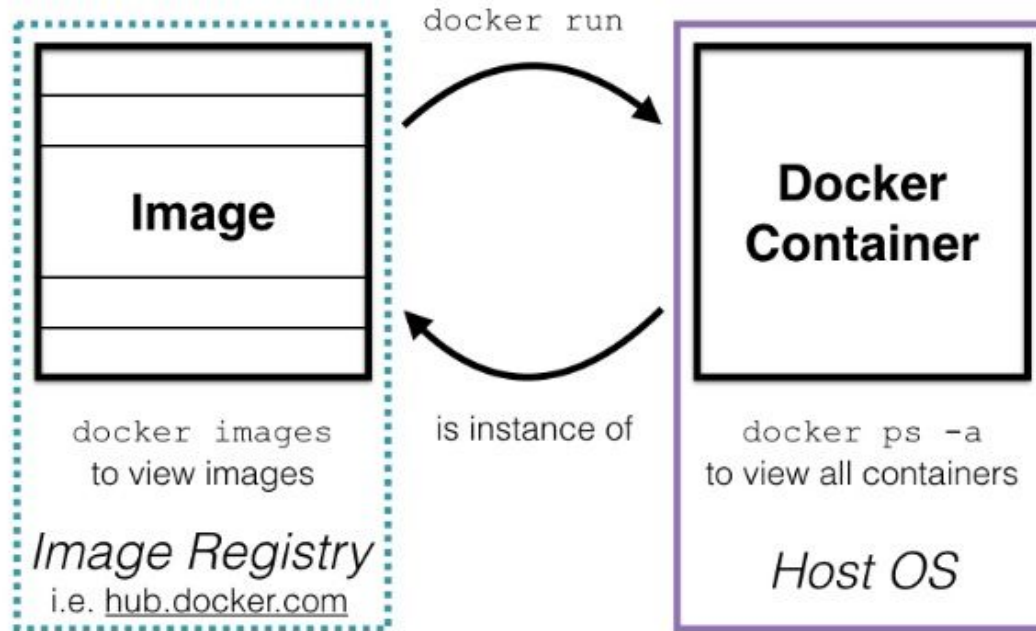


Docker vs VM





Basic Concepts





Commands 1.12 vs 1.13

v 1.12	v 1.13	Description
<code>docker ps</code>	<code>docker container ls</code>	List containers
<code>docker images</code>	<code>docker image ls</code>	List images
<code>docker run</code>	<code>docker container run</code>	Run a new container
<code>docker start</code>	<code>docker container start</code>	Start an existing container
<code>docker pull</code>	<code>docker image pull</code>	Pull an image from hub
<code>docker rmi</code>	<code>docker image rm</code>	Remove an image
<code>docker rm</code>	<code>docker container rm</code>	Remove a container





Dockerfile

- FROM
- MAINTAINER
- RUN - CMD
- EXPOSE
- ENV
- ADD
- COPY
- ENTRYPOINT
- VOLUME
- USER
- WORKDIR
- HEALTHCHECK



Docker Basic Example

<https://github.com/twogg-git/go-docker-hub>



- ☐ Pull an image
- ☐ Run an image locally
- ☐ Rename an image
- ☐ Stop a image
- ☐ Delete containers and images



Docker + NGinx Example

<https://github.com/twogg-git/docker-local>



Dockerfile



References & Links

Docker Lab - S1 Beginners



[https://es.wikipedia.org/wiki/Docker_\(software\)](https://es.wikipedia.org/wiki/Docker_(software))

<https://www.docker.com/what-docker>

<http://blog.arungupta.me/>

<https://blog.newrelic.com/2016/06/20/docker-osx-mac/>

