
Docker: Basic Hands-On



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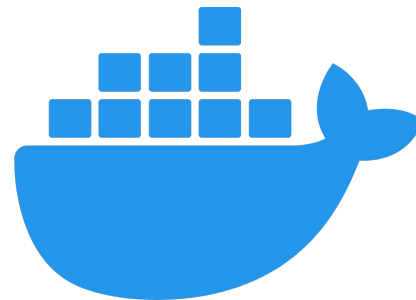


Tech Evangelist at @Percona

DevOps and Infrastructure Developer, Apache Airflow contributor and 42 Silicon Valley Student, Docker Captain.

Love cats and travel!

Agenda

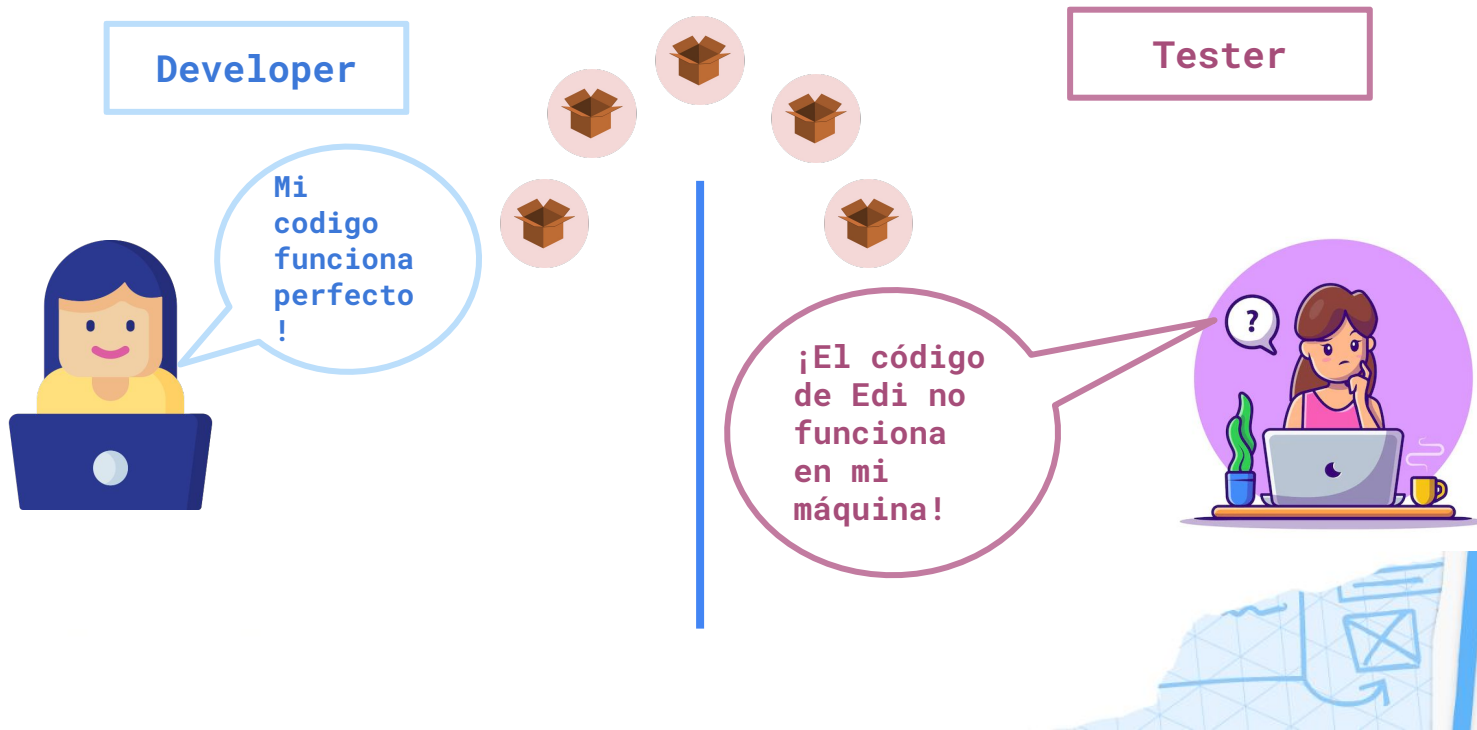


- ¿Qué es Docker?
 - Docker: Tipos de installation
 - Componentes básicos y arquitectura de Docker
 - Demo: comandos básicos
 - ¿Qué es lo nuevo en Docker?
 - Oportunidades en al comunidad de Docker
-

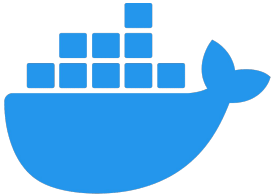


¿Qué es Docker?

Antes de Docker



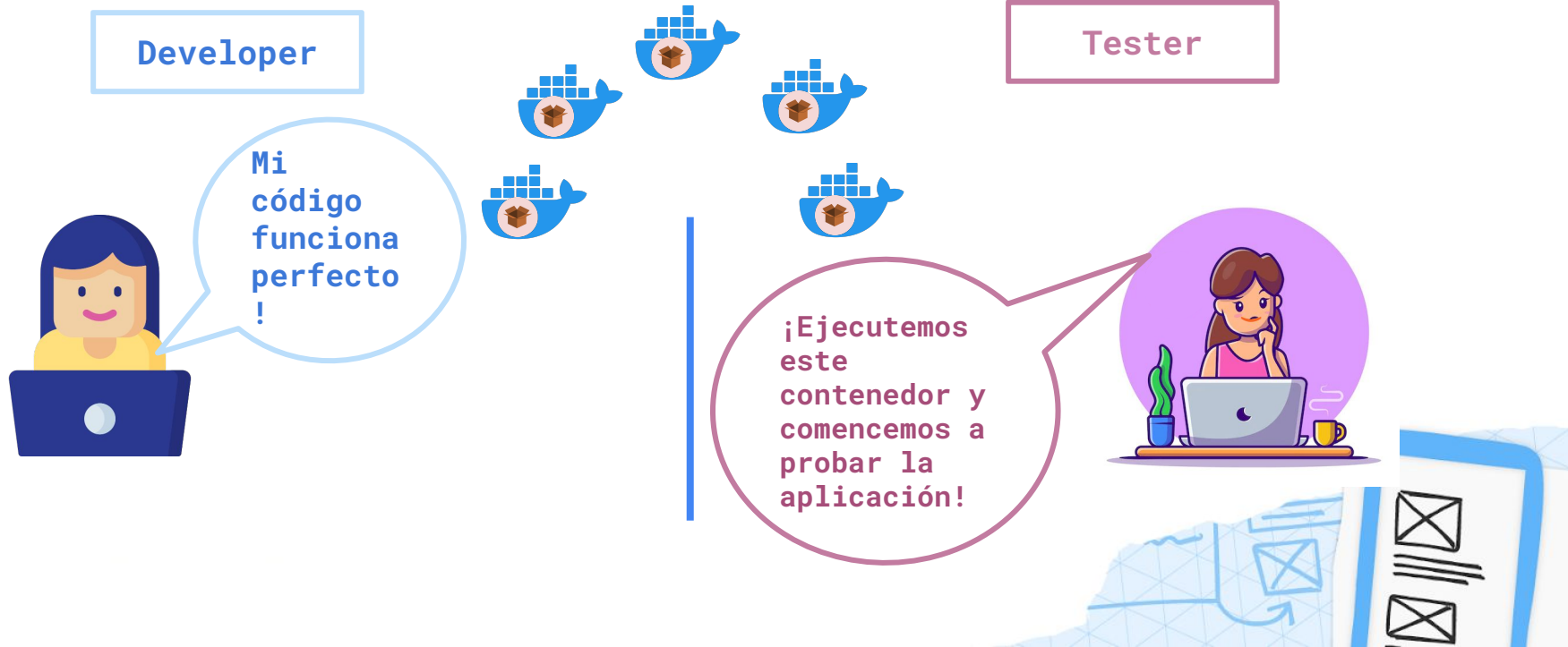
¡Docker es la mejor solución para este problema!



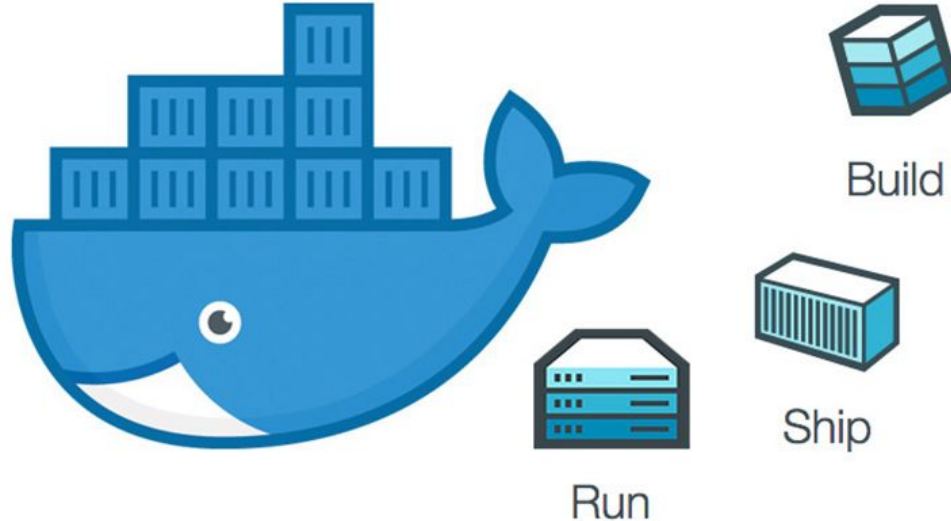


¿Qué es Docker?

Después de Docker

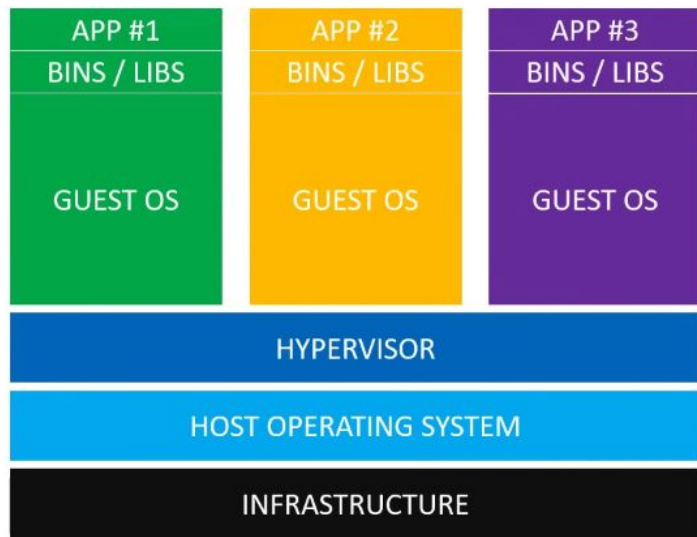


Docker resuelve el infame problema "funciona en mi máquina". ¡Los contenedores funcionan igual donde sea que los inicies!

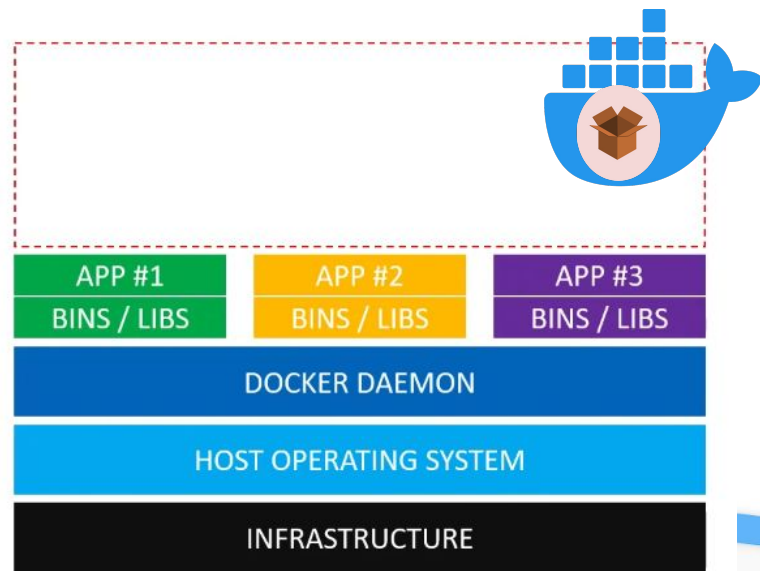


¿CÓMO ES ESTO POSIBLE?

MAQUINAS VIRTUALES



CONTENEDORES



Docker: Tipos de installation

- Documentación oficial de Docker:

<https://docs.docker.com/engine/install/>

- Docker Desktop

<https://www.docker.com/products/docker-desktop/>

- Juega con Docker

<https://labs.play-with-docker.com/>



Componentes básicos de Docker

```
FROM ubuntu:14.04
MAINTAINER John Doe <john.doe@example.com>
RUN apt-get update
RUN apt-get install -y python
RUN python --help
CMD ["python", "-c", "import sys; print(sys.version)"]
```

Dockerfile

build

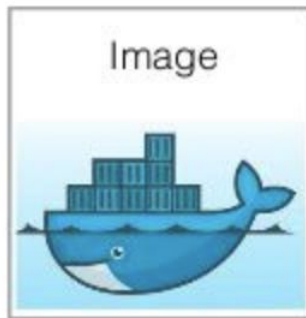
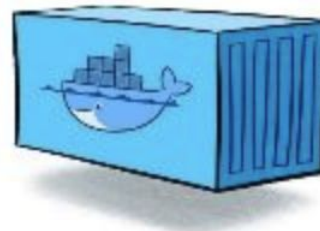


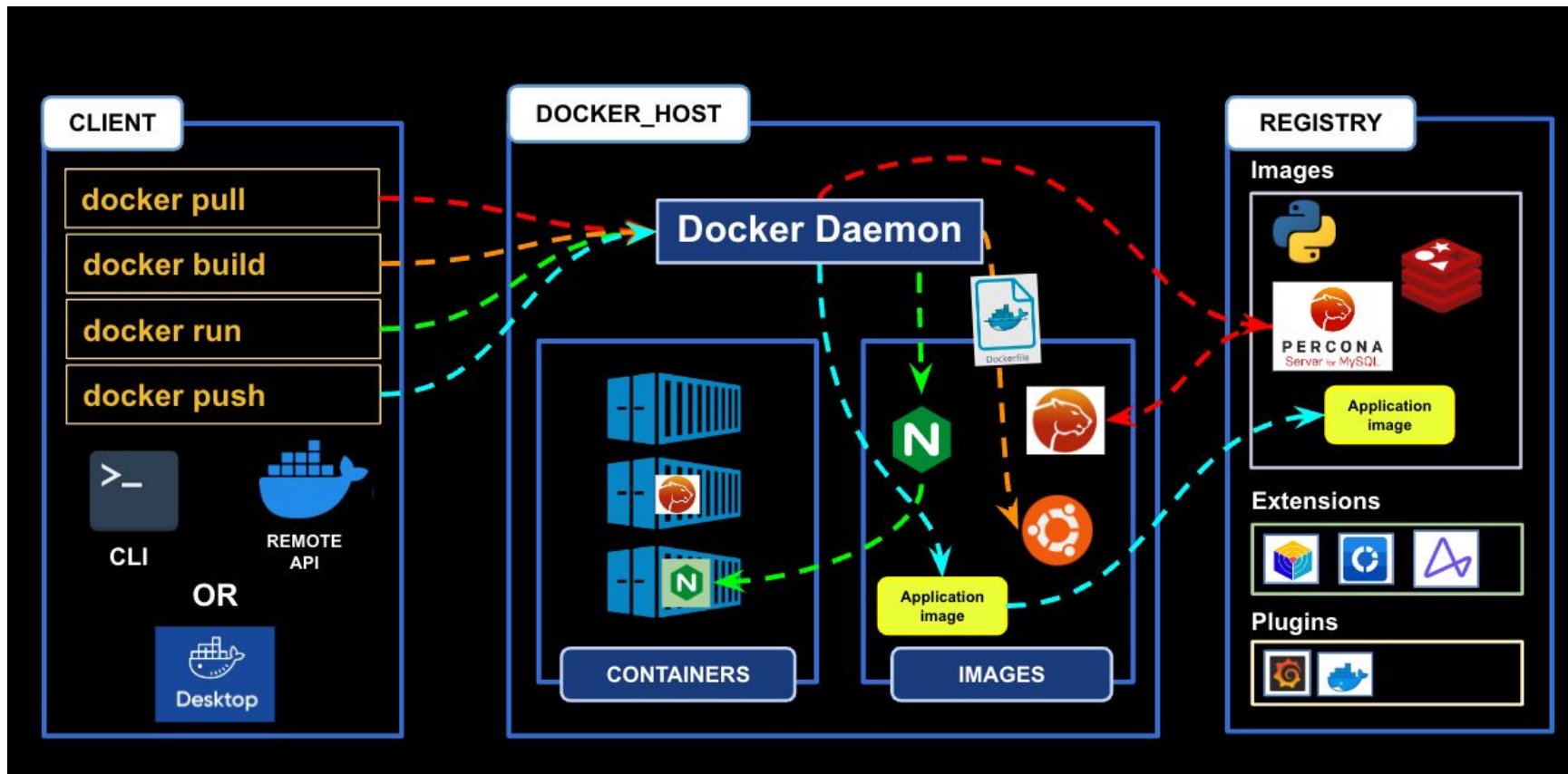
Imagen de Docker

run

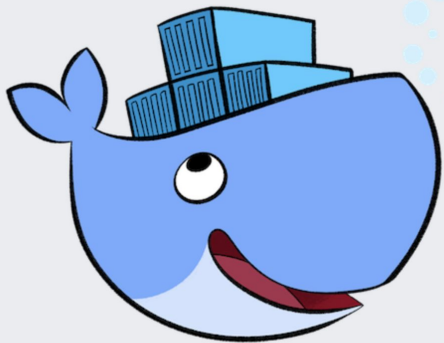


Contenedor de Docker

Arquitectura de Docker



Demo



Play with Docker

A simple, interactive and fun playground to learn Docker

Login ▾

Juega con Docker:

<https://labs.play-with-docker.com/>

Commandos:



<https://github.com/editturn/hands-on-to-docker>



Novedades de Docker



Docker Desktop Community

Version 2.0.0.2 (30215)
Channel: stable
Build: 0b030e1

 Engine: 18.09.1

 Notary: 0.6.1

 Compose: 1.23.2

 Credential Helpers: 0.6.0

 Machine: 0.16.1

 Kubernetes: v1.10.11

Release Notes

Acknowledgments

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Containers / Apps

Images

Volumes

Dev Environments PREVIEW

Extensions BETA

Add Extensions

Extensions Marketplace

Are you interested in building your own extension? [Learn how to.](#)

Marketplace

Installed

Tailscale

Tailscale Inc.

Connect your Docker containers to your secure private network.

Install

Portainer

Portainer.io

Rich container management experience using Portainer.

Install

Trivy

Aqua Security Software

Run unlimited vulnerability scans against remote or locally stored images.

Install

Telepresence

Ambassador Labs

Develop & test your Docker containers with Kubernetes

Install

Default Applications

Date & Time

About

Windowing System

Software Updates

About



Ubuntu 18.04 LTS (Bionic Beaver)

15.3 GiB

64-bit

40.4.0

X11

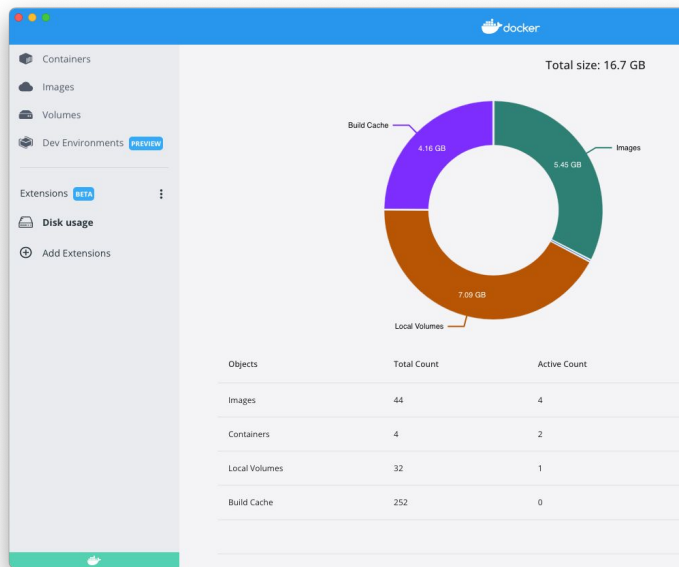
Ubuntu 21.10

64-bit

40.4.0

X11

Docker Extensions



Extensions Marketplace

Docker Extensions enable you to use third-party tools within Docker Desktop to extend its functionality. [Learn more](#)

- Disk Usage**
Docker Inc. - docker/disk-usage-extension:0.2.3
View disk space used by Docker and what it's used for. Reclaim disk space in one click. [Install](#)
- Epinio**
SUSE Rancher - splatform/epinio-docker-desktop:0.0.13
Push from source to Kubernetes in one step. [Install](#)
- Gosh**
EverX - teamgosh/docker-extension:1.0.0-alpha.7
Build your decentralized and secure software supply chain with Docker and Git On-chain Source Holder. [Install](#)
- JFrog**
JFrog Ltd. - jfrog/jfrog-docker-desktop-extension:1.0.1
Scan your Docker images for vulnerabilities with JFrog Xray. [Install](#)

WebAssembly and Docker



Oportunidades de la comunidad Docker



Contact local developers

Choose in between 200+ Docker User Groups around the globe, meeting virtually or in-person.

[Find your group](#)



Join our events

Connect with Docker and the Docker Community at events and conferences around the world.

[Check them out](#)



Community Leaders

A global dream team of community builders, passionate about nurturing the vibrant Docker ecosystem.

[Become one](#)



Meet the Captains

Docker Captains are both experts in their field and are passionate about sharing their Docker knowledge with others.

[Meet the Captains](#)

<https://www.docker.com/community/>

Thanks!

