

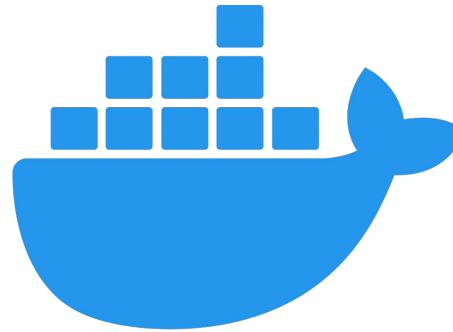
Docker: Basic Hands-On



Edith Puella

@edithpuella 

/edithpuella 





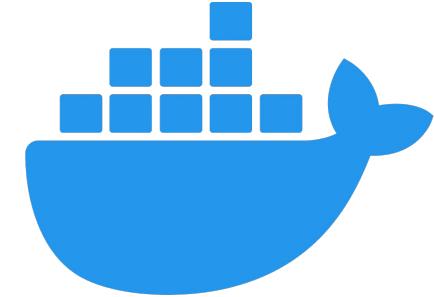
Tech Evangelist at @Percona

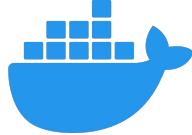
DevOps and Infrastructure Developer, Apache Airflow contributor and 42 Silicon Valley Student, Docker Captain.

Love cats and travel!

Agenda

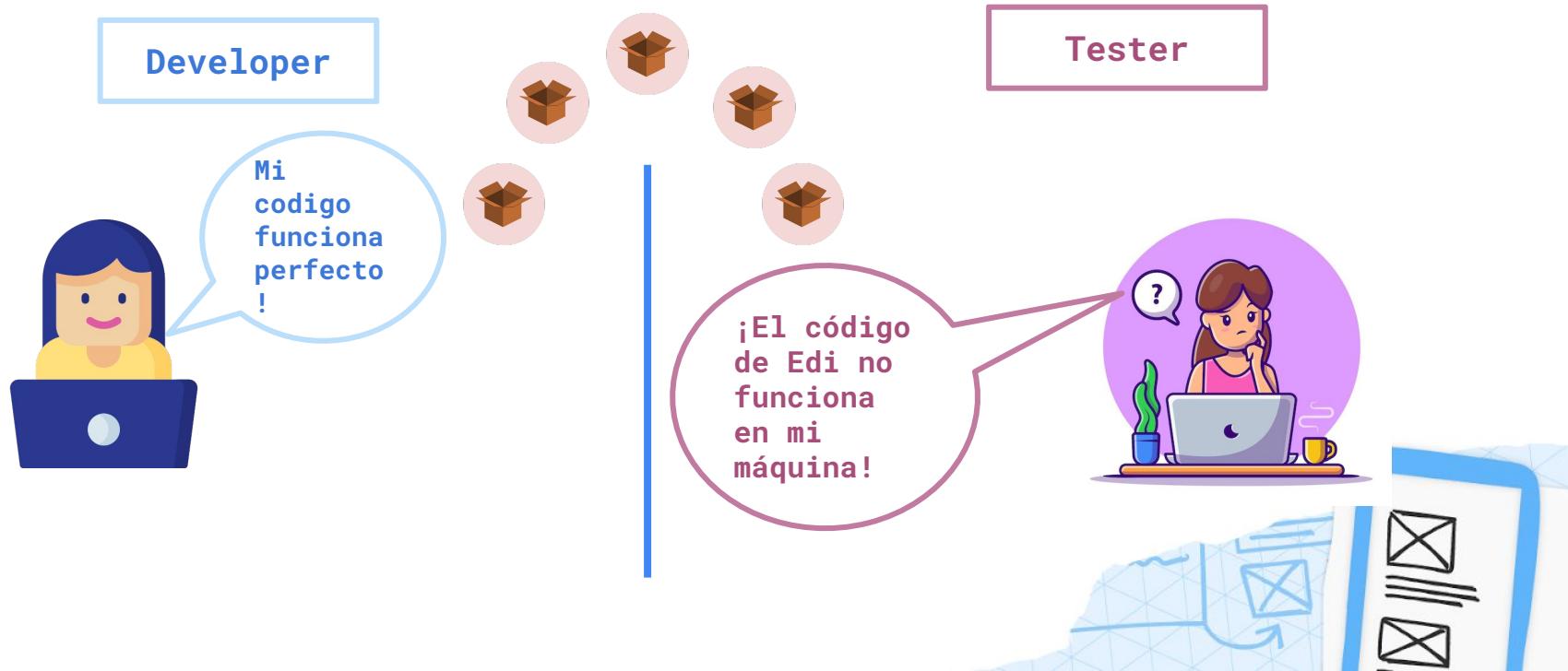
- **¿Qué es Docker?**
- **Docker: Tipos de installation**
- **Componentes básicos y arquitectura de Docker**
- **Demo: comandos básicos**
- **¿Qué es lo nuevo en Docker?**
- **Oportunidades en la comunidad de Docker**



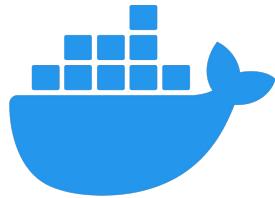


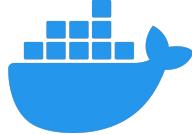
¿Qué es Docker?

Antes de Docker



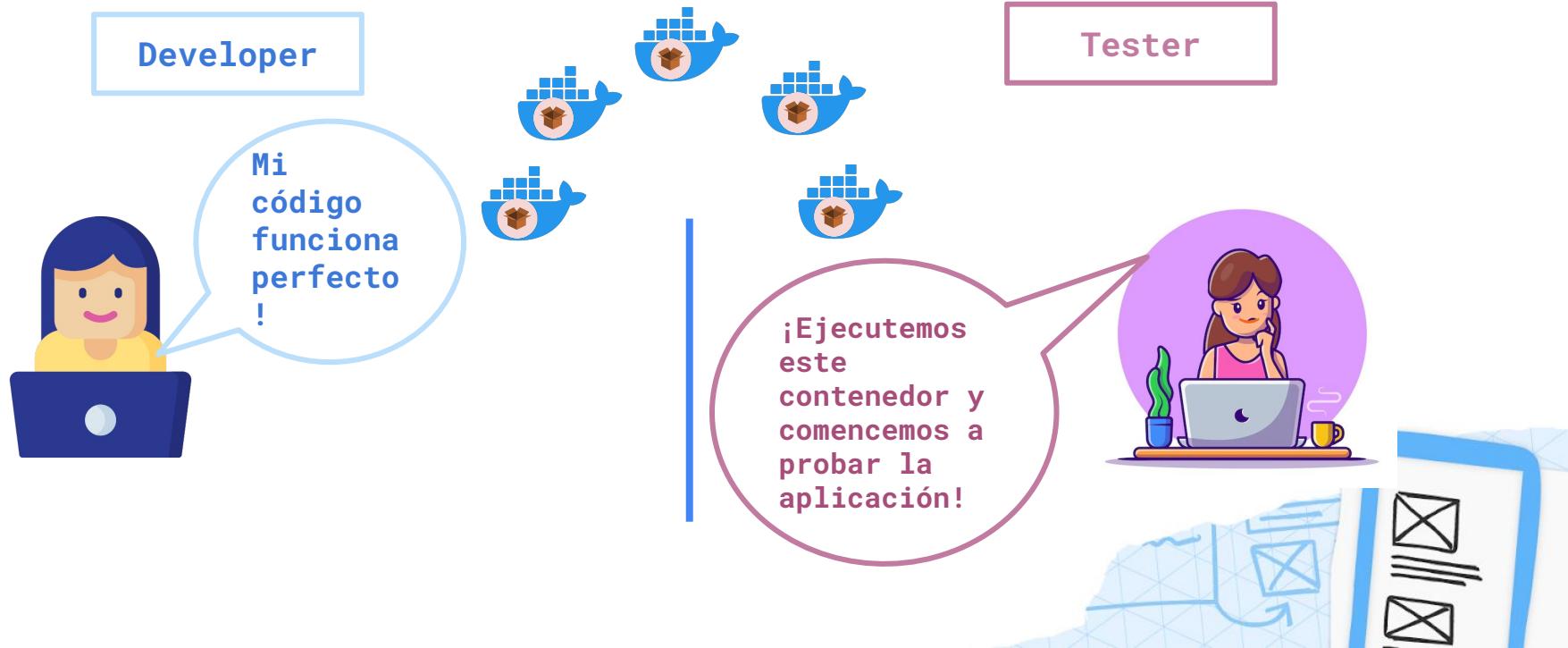
¡Docker es la mejor solución para este problema!



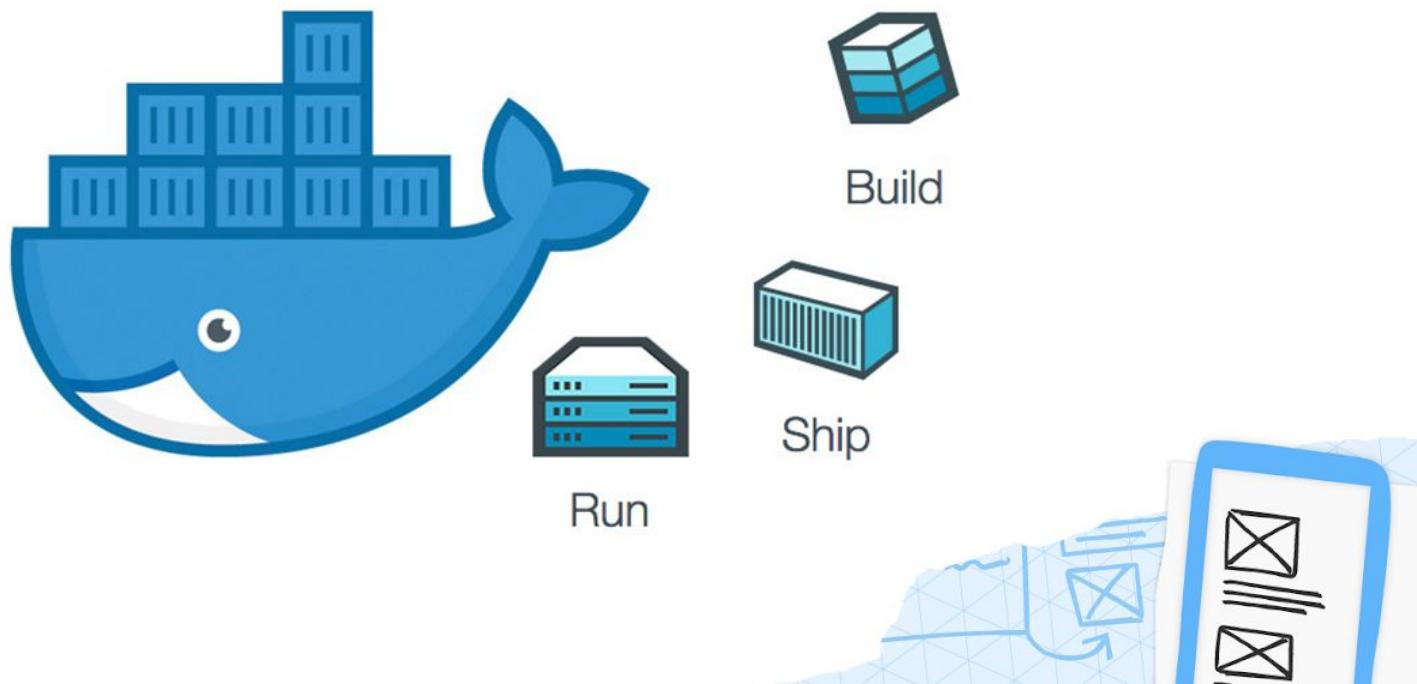


¿Qué es Docker?

Después de Docker

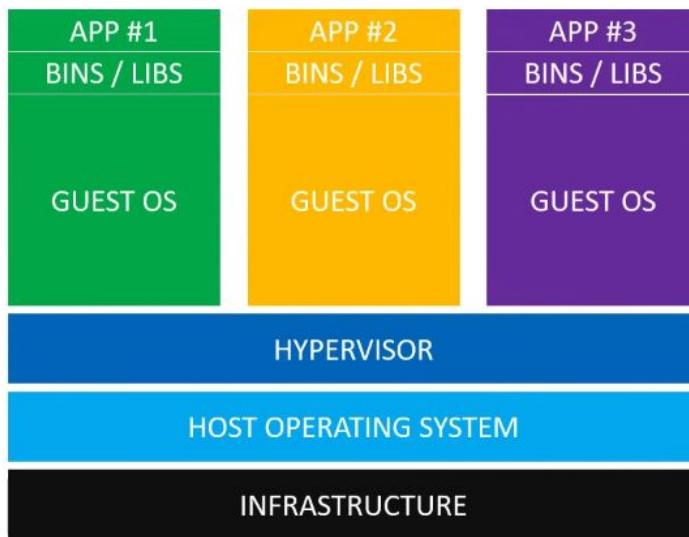


Docker resuelve el infame problema "funciona en mi máquina". ¡Los contenedores funcionan igual donde sea que los inicies!

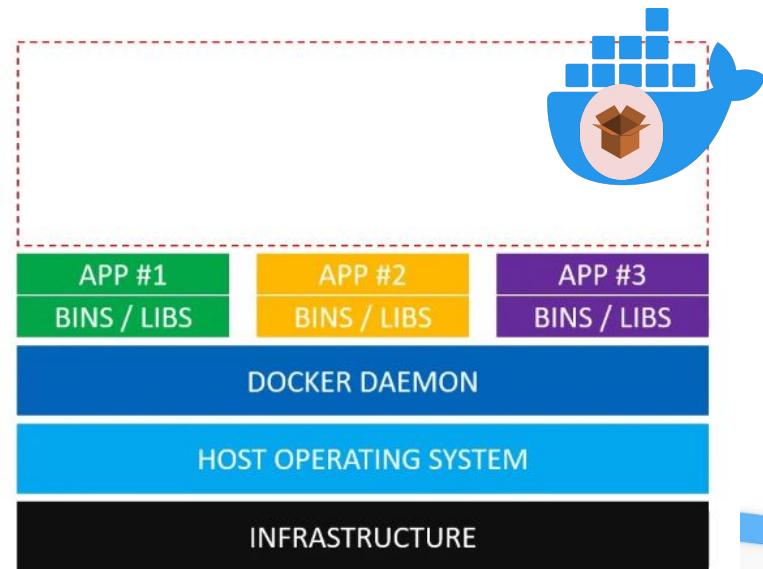


¿CÓMO ES ESTO POSIBLE?

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



Dockerfile

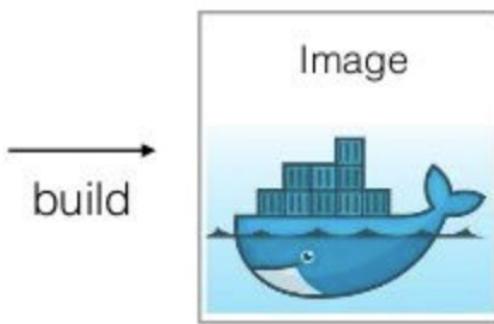
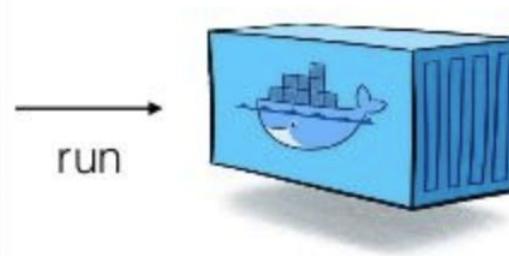


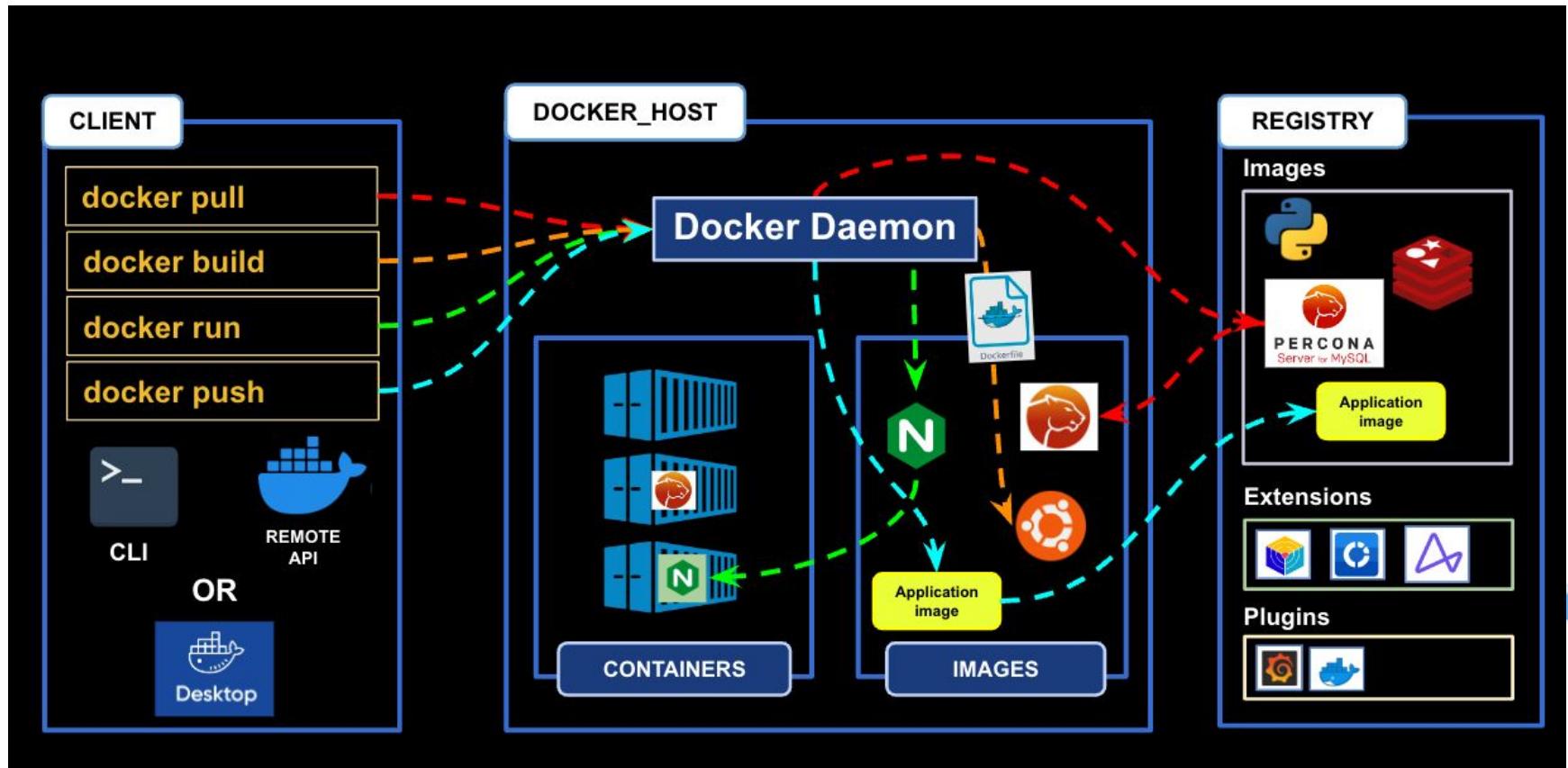
Imagen de
Docker



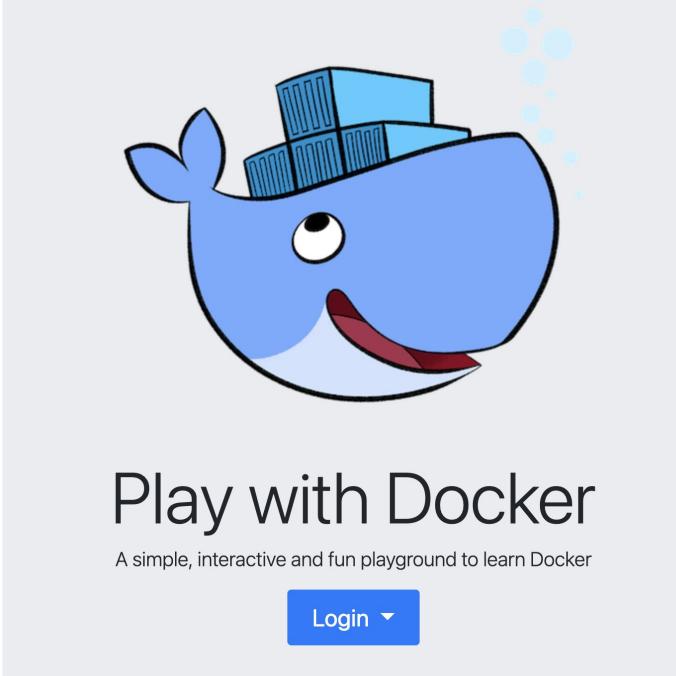
Contenedor de
Docker



Arquitectura de Docker



Demo



The image shows the landing page of the Play with Docker website. It features a large, friendly blue whale icon with a stack of blue shipping containers on its back. Below the whale, the text "Play with Docker" is displayed in a large, bold, dark font. Underneath, a smaller text reads "A simple, interactive and fun playground to learn Docker". At the bottom left is a blue "Login ▾" button.

Play with Docker

A simple, interactive and fun playground to learn Docker

Login ▾

Juega con Docker:

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

Comandos: 

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

Novedades de Docker

The screenshot displays the Docker Desktop Community interface. On the left, a modal window titled "About Docker" shows the version (2.0.0.2), channel (stable), and build (0b030e1). It also lists various components and their versions: Engine (18.09.1), Notary (0.6.1), Compose (1.23.2), Credential Helpers (0.6.0), Machine (0.16.1), and Kubernetes (v1.10.11). Below this are links for "Release Notes", "Acknowledgments", and "License A". The main interface shows the "Activities" tab selected, displaying the Docker desktop icon. The "Extensions Marketplace" tab is active, showing four available extensions: Tailscale, Portainer, Trivy, and Telepresence, each with an "Install" button. To the right, a "System" window is open, showing details like Ubuntu 21.10, 64-bit, 40.4.0, and X11. The bottom right corner features a decorative graphic of a smartphone with a network connection icon.

About 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 License A

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Activities Docker Desktop

Upgrade Settings Sign in

Feedback and requests

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

Ubuntu 21.10
64-bit
40.4.0
X11

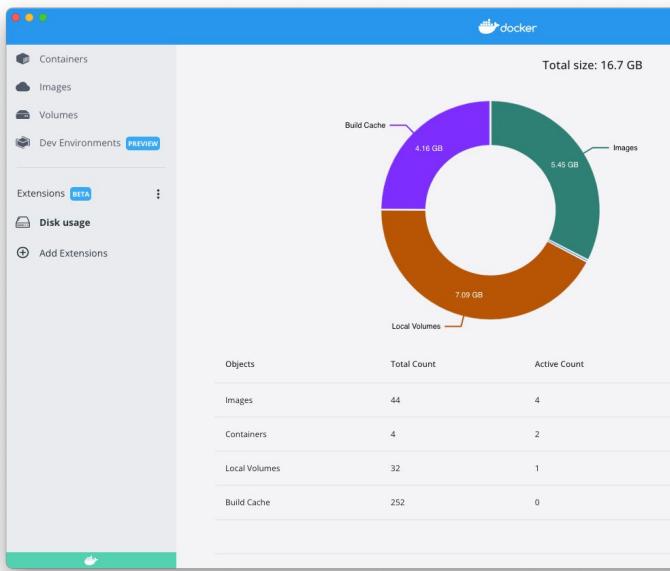
intel® Xe Graphics (TGL GT2) / Mesa intel® Xe ...
15.3 GB
512.1 GB

intel® Xe Graphics (TGL GT2) / Mesa intel® Xe ...
15.3 GB
512.1 GB

Ubuntu 21.10
64-bit
40.4.0
X11

intel® Xe Graphics (TGL GT2) / Mesa intel® Xe ...
15.3 GB
512.1 GB

Docker Extensions



The screenshot shows the 'Extensions Marketplace' page within the Docker desktop application. At the top, there are navigation links for 'Home', 'Containers', 'Images', 'Volumes', and 'Dev Environments'. Below these, the 'Extensions' section is shown with a 'Beta' badge and an 'Add Extensions' button.

The main content area displays four available extensions:

- Disk Usage** by 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** by SUSE Rancher - splatform/epinio-docker-desktop:0.0.13: Push from source to Kubernetes in one step. [Install](#)
- Gosh** by 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** by 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!

