

The Docker Revolution



docker

About Me

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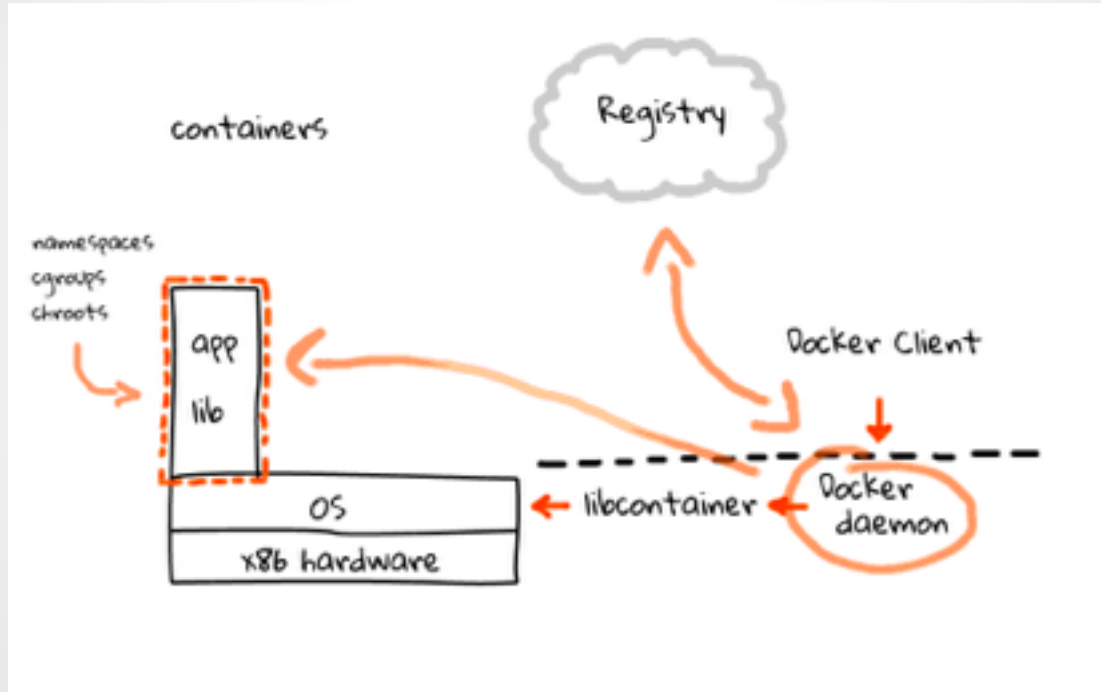
docker

Qué es Docker?

Gestión sencilla de LXC
(Linux Containers)

“Build, Ship & Run
Any Application, Anywhere”

Docker: componentes

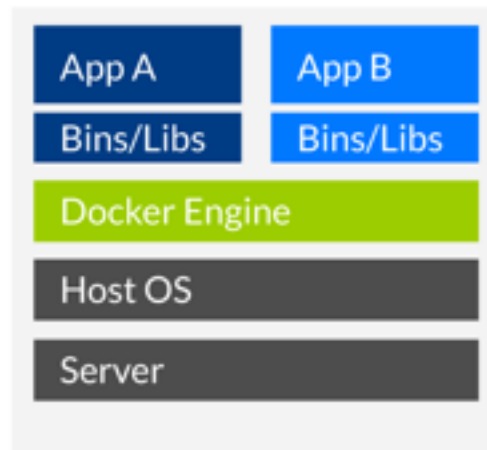


Características de Docker

- **Ligero:** usa cgroups y namespaces
- **Portable:** abstrae el sistema operativo.
- **Inmutable:** empaqueta las dependencias.

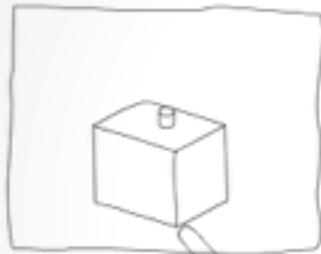
Docker es Ligero

VMs vs Docker

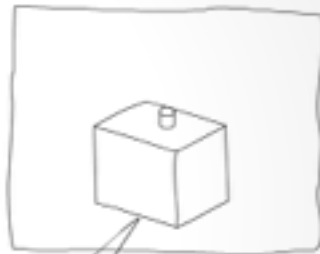


Docker es Portable

Development



Production



Registry



docker push

docker pull

Docker es Inmutable: build

```
FROM python:2.7
```

```
WORKDIR /app
```

```
ADD requirements.txt /app/requirements.txt
```

```
RUN pip install -r requirements.txt
```


```
ADD . /app
```

```
EXPOSE 80
```

```
ENV NAME World
```

```
CMD ["python", "app.py"]
```


Casos de Uso de Docker

- Portable
 - Inmutable
 - Ligero
- 
- Desarrollo
 - Integración Continua
 - Producción

Automatizable!

Ecosistema Docker

 ClusterUP ContainerScope

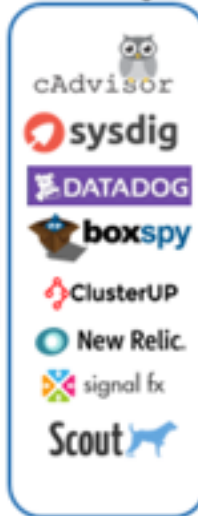
Technology



Management



Monitoring



Networking, Storage, Security



OS



Orchestration Technologies



Endorsing Companies



Continuous Integration



PAAS



Container Clouds



Production



System Integrators & Consulting

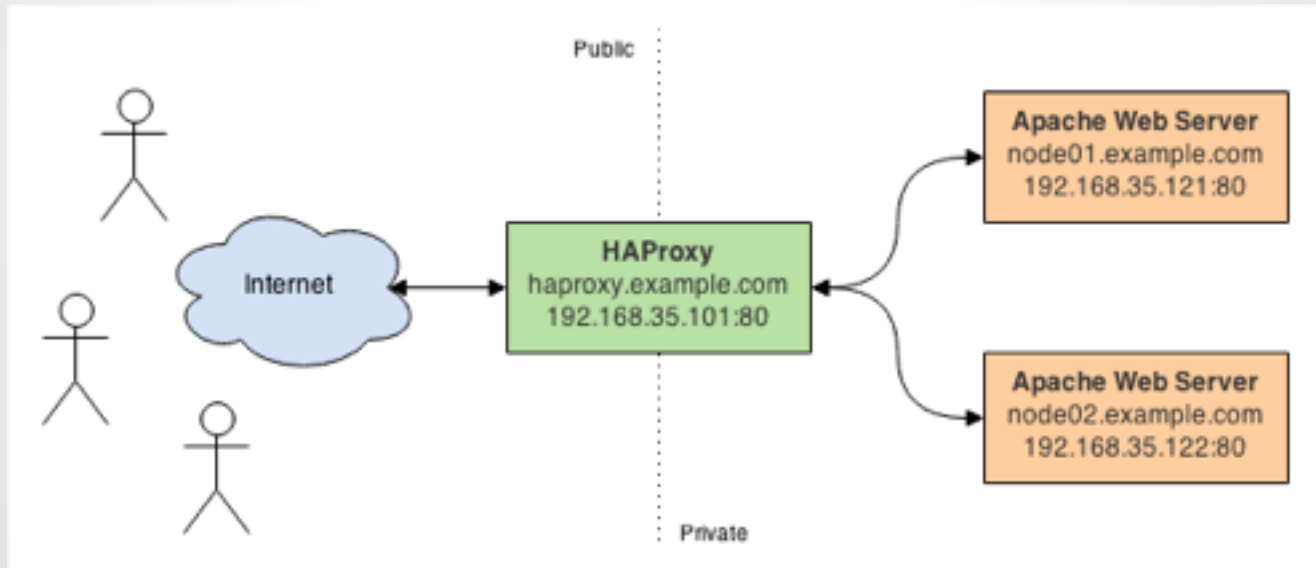


Adopción de Docker

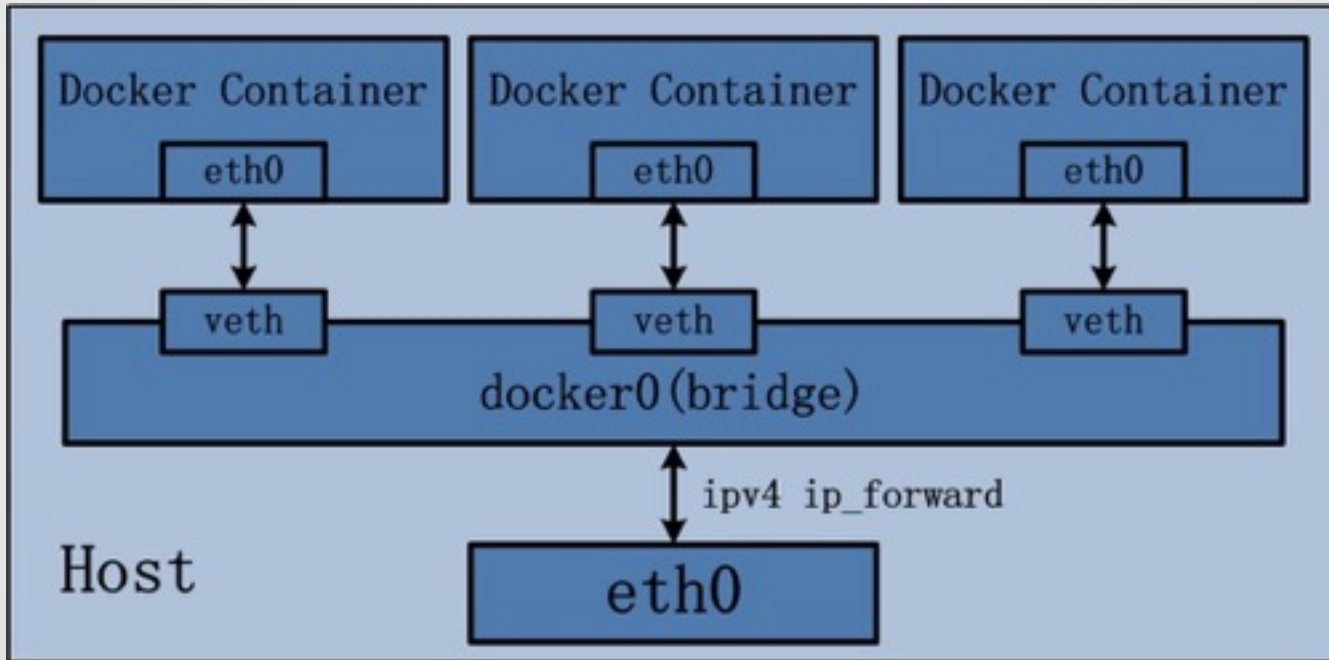
Horizontal  Vertical

Multi tenancy

Demo for several web applications running on the same host!



Docker Network



Preguntas

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