

Prácticas Docker

1. Arrancar y parar los servicios de Docker

- Comprobar la versión de Docker. Solo aparece la parte del cliente

docker version

Client:

Version: 17.12.1-ce

API version: 1.35

Go version: go1.9.4

Git commit: 7390fc6

Built: Tue Feb 27 22:15:20 2018

OS/Arch: linux/amd64

- Arrancar Docker de forma manual, sin “systemctl”

dockerd

...
...
...
...
...

NFO[2018-03-15T15:13:33.263718129+01:00] devmapper: Creating filesystem xfs on device docker-253:1-2844473-base, mkfs args: [-m crc=0,finobt=0 /dev/mapper/docker-253:1-2844473-base]

INFO[2018-03-15T15:13:33.318924584+01:00] devmapper: Successfully created filesystem xfs on device docker-253:1-2844473-base

INFO[2018-03-15T15:13:33.372461631+01:00] Graph migration to content-addressability took 0.00 seconds

INFO[2018-03-15T15:13:33.373345454+01:00] Loading containers: start.

INFO[2018-03-15T15:13:33.450242856+01:00] Default bridge (docker0) is assigned with an IP address 172.17.0.0/16. Daemon option --bip can be used to set a preferred IP address

INFO[2018-03-15T15:13:33.488189158+01:00] Loading containers: done.

INFO[2018-03-15T15:13:33.505349642+01:00] Docker daemon commit=7390fc6 graphdriver(s)=devicemapper version=17.12.1-ce

INFO[2018-03-15T15:13:33.505650561+01:00] Daemon has completed initialization

```
INFO[2018-03-15T15:13:33.511628966+01:00] API listen on /var/run/docker.sock
```

- Desde otro terminal, comprobar de nuevo con “Docker versión”. Debe aparecer la parte del servidor

docker version

Client:

```
Version: 17.12.1-ce
API version: 1.35
Go version: go1.9.4
Git commit: 7390fc6
Built: Tue Feb 27 22:15:20 2018
OS/Arch: linux/amd64
```

Server:

Engine:

```
Version: 17.12.1-ce
API version: 1.35 (minimum version 1.12)
Go version: go1.9.4
Git commit: 7390fc6
Built: Tue Feb 27 22:17:54 2018
OS/Arch: linux/amd64
Experimental: false
```

- Comprobar lo procesos que se han arrancado en el servidor
- Deben aparecer dos:
 - El daemon dockerd
 - Otro proceso asociado que gestiona los contenedores: docker-containerd

ps -ef | grep docker

```
root 3557 2862 0 15:13 pts/0 00:00:01 dockerd
root 3564 3557 0 15:13 ? 00:00:03 docker-containerd --config /var/run/docker/containerd/containerd.toml
```

- Cortar el proceso del demonio con CTRL-C en la ventana donde lo hemos arrancado
- Arrancarlo ahora con SYSTEMCTL

```
systemctl start Docker
```

- Comprobamos el estado

```
systemctl status docker
```

- docker.service - Docker Application Container Engine

```
Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled;
vendor preset: disabled)
```

```
Active: active (running) since jue 2018-03-15 15:23:09 CET; 7s ago
```

```
Docs: https://docs.docker.com
```

```
Main PID: 15209 (dockerd)
```

```
Memory: 23.0M
```

```
CGroup: /system.slice/docker.service
```

```
└─15209 /usr/bin/dockerd
```

```
└─15218 docker-containerd --config
```

```
/var/run/docker/containerd/cont...
```

```
mar 15 15:23:09 localhost.localdomain dockerd[15209]: time="2018-03-15T15:23:..."
```

```
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```

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```

```
mar 15 15:23:09 localhost.localdomain dockerd[15209]: time="2018-03-15T15:23:..."
```

```
mar 15 15:23:09 localhost.localdomain systemd[1]: Started Docker Application ...
```

```
Hint: Some lines were ellipsized, use -l to show in full.
```

- Activamos el servicio para que funcione al arrancar el servidor

```
[root@localhost ~]# systemctl enable docker
```

```
Created symlink from /etc/systemd/system/multi-user.target.wants/docker.service to
/usr/lib/systemd/system/docker.service.
```