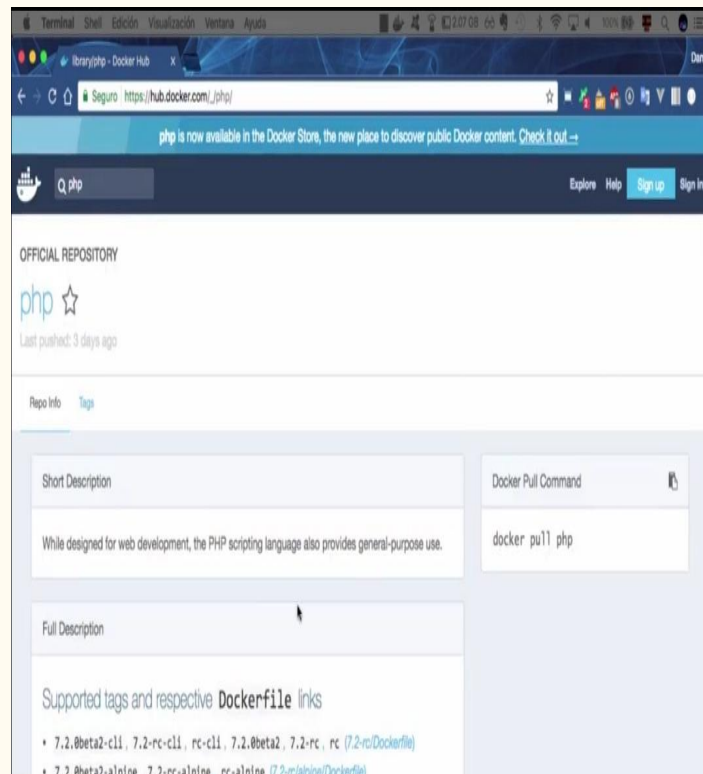


PHP7 + APACHE CON DOCKER

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Docker es un proyecto de código abierto que automatiza el despliegue de aplicaciones dentro de contenedores de software, proporcionando una capa adicional de abstracción y automatización de virtualización de aplicaciones en múltiples sistemas operativos

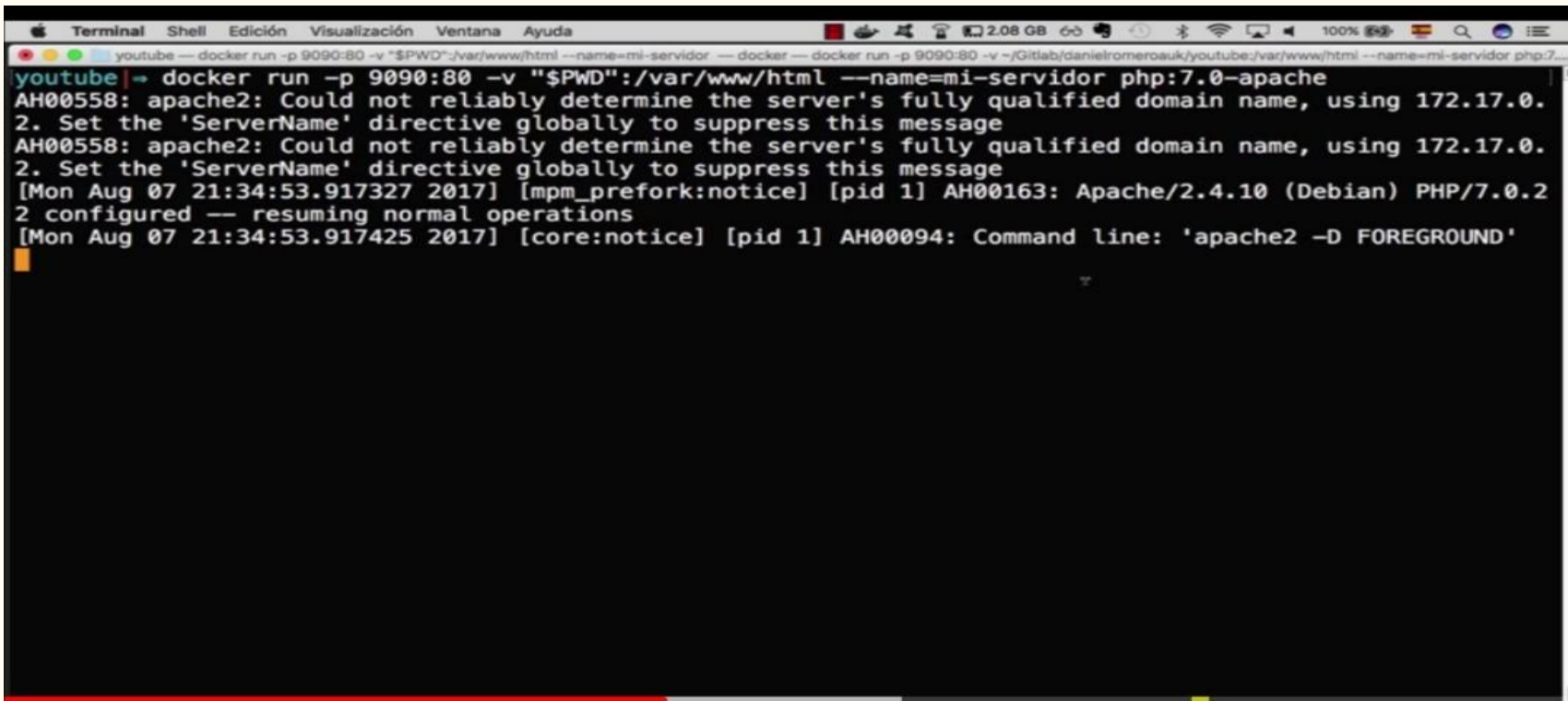
Selecciónar la versión, en este caso es la 7.0



Una vez dentro ejecutamos lo sgt
Escribir: "docker pull php:7.0-apache
Enter
Luego escribir docker images / grep php

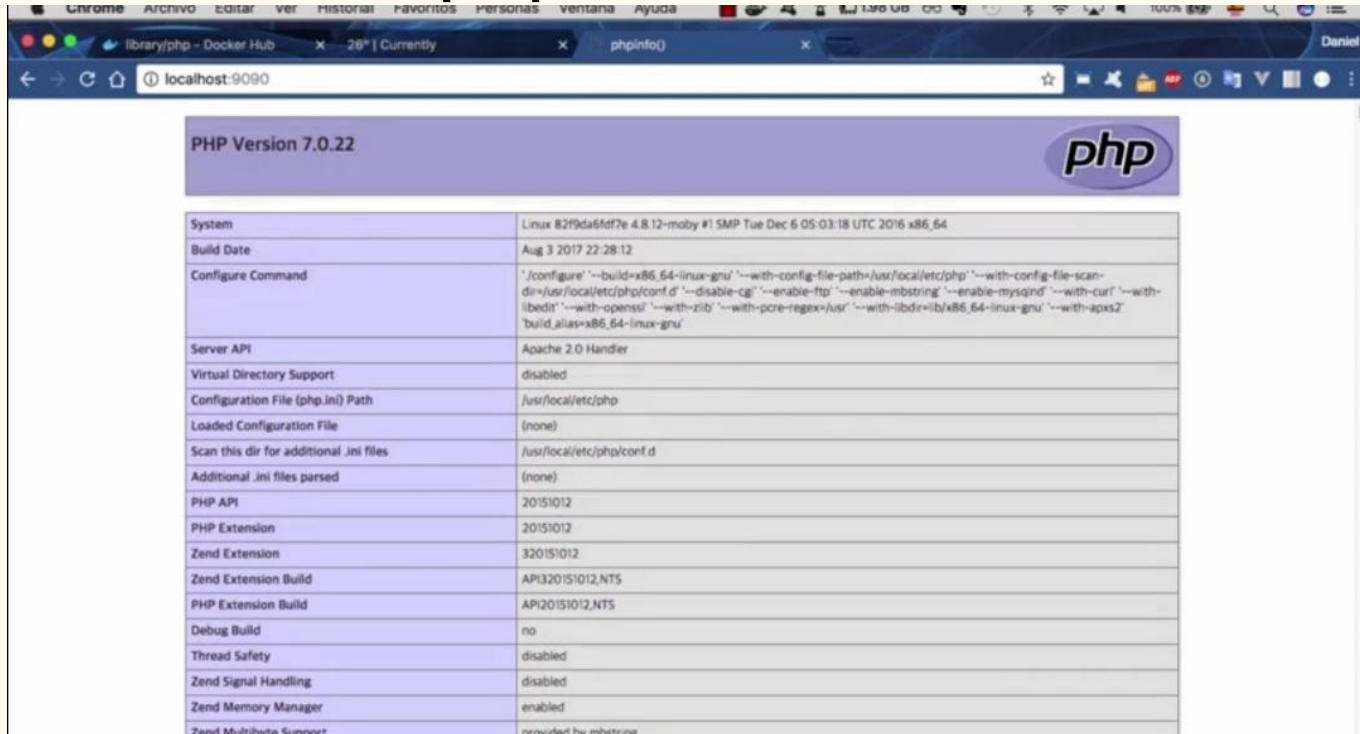
```
youtube — daniel@adsiar — _roauk/youtube — zsh — 104x27
youtube|→ docker pull php:7.0-apache
7.0-apache: Pulling from library/php
Digest: sha256:5da199d61b19df8414c96327f3f869d9c3f1eb1eb87140091209ca7614cfd653
Status: Image is up to date for php:7.0-apache
youtube|→ docker images | grep php
php          7.0-apache      23ed8a9a03f2    3 days ago    389 MB
edcampbogota2017_php  latest         3315b699b5fa    8 weeks ago   406 MB
facturauca_php      latest         551abc2177e0    4 months ago  390 MB
php               7-cli          e26b87647b72    4 months ago  365 MB
php               5-fpm          55423bcf0cfc    7 months ago  362 MB
php               5-apache       500c82490ae6    7 months ago  371 MB
php               7-fpm          6ed35665f88f    7 months ago  377 MB
php               7-apache       62001e0da76d    7 months ago  386 MB
youtube|→
```

Para crear un contenedor se escribe el nombre del contenedor `docker run -p 9090:80 -v "$PWD":/var/www/html --name=mi-servidor php:7.0-apache`

A screenshot of a macOS Terminal window. The title bar shows 'Terminal' and various icons. The terminal text shows the command 'docker run -p 9090:80 -v "\$PWD":/var/www/html --name=mi-servidor php:7.0-apache' being executed. The output shows Apache 2.4.10 starting on port 80, with some warnings about the fully qualified domain name. The terminal window has a red status bar at the bottom.

```
Terminal Shell Edición Visualización Ventana Ayuda
youtube — docker run -p 9090:80 -v "$PWD":/var/www/html --name=mi-servidor — docker — docker run -p 9090:80 -v ~/Gitlab/danielromeroauk/youtube:/var/www/html --name=mi-servidor php:7...
youtube ➔ docker run -p 9090:80 -v "$PWD":/var/www/html --name=mi-servidor php:7.0-apache
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.
2. Set the 'ServerName' directive globally to suppress this message
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.
2. Set the 'ServerName' directive globally to suppress this message
[Mon Aug 07 21:34:53.917327 2017] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.10 (Debian) PHP/7.0.2
2 configured — resuming normal operations
[Mon Aug 07 21:34:53.917425 2017] [core:notice] [pid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
```

Se busca en el navegador "localhost. 9090" para ver la versión del php



The screenshot shows a web browser window with the address bar set to `localhost:9090`. The page title is "PHP Version 7.0.22" and features the PHP logo. Below the header is a table of system and configuration details.

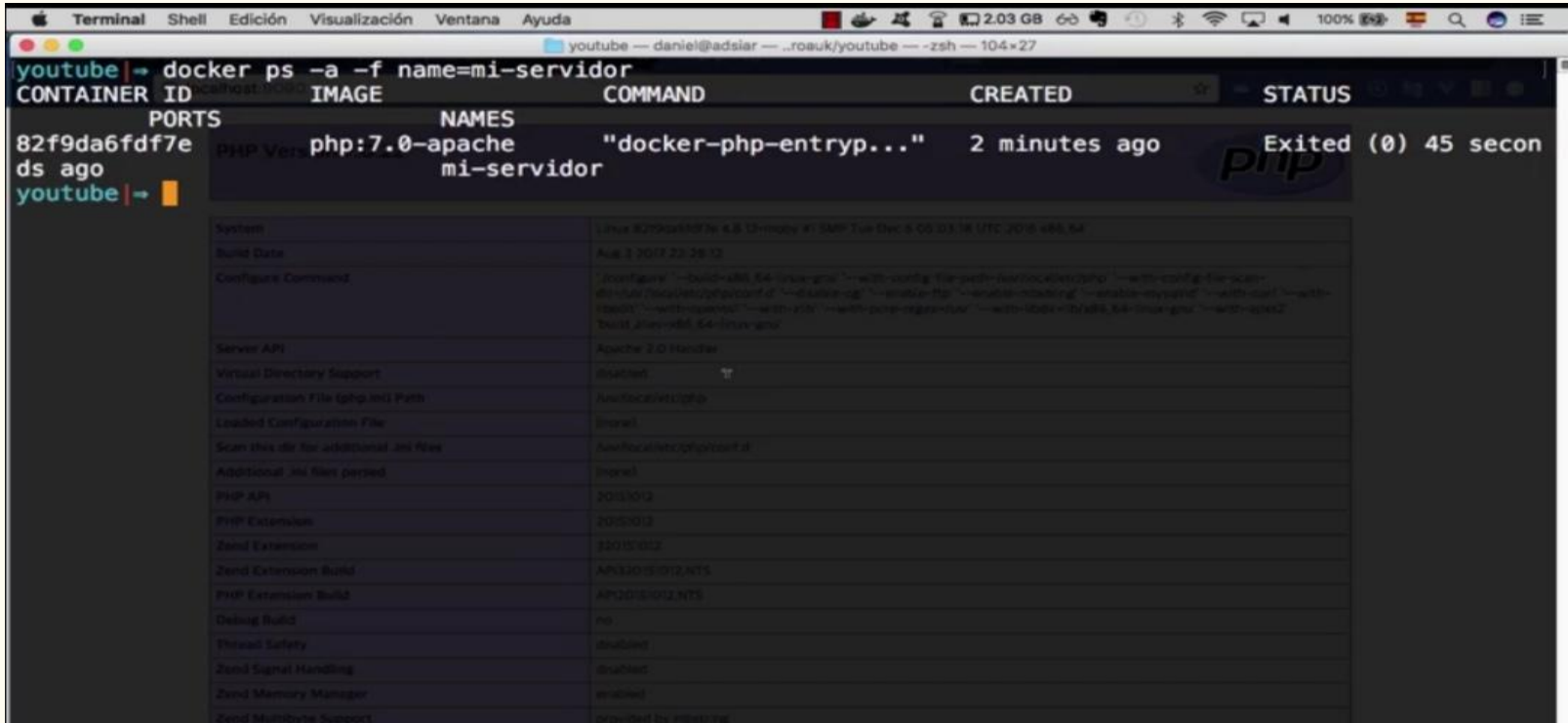
System	Linux 82f9da6fd7e 4.8.12-moby #1 SMP Tue Dec 6 05:03:18 UTC 2016 x86_64
Build Date	Aug 3 2017 22:28:12
Configure Command	'./configure' '--build=x86_64-linux-gnu' '--with-config-file-path=/usr/local/etc/php' '--with-config-file-scan-dir=/usr/local/etc/php/conf.d' '--disable-cgi' '--enable-ftp' '--enable-mbstring' '--enable-mysqld' '--with-curl' '--with-ibedit' '--with-openssl' '--with-zlib' '--with-pcre-regex=/usr' '--with-libdir=lib/x86_64-linux-gnu' '--build_alias=x86_64-linux-gnu'
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/usr/local/etc/php
Loaded Configuration File	(none)
Scan this dir for additional .ini files	/usr/local/etc/php/conf.d
Additional .ini files parsed	(none)
PHP API	20151012
PHP Extension	20151012
Zend Extension	320151012
Zend Extension Build	API320151012,NTS
PHP Extension Build	API20151012,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring

Para detener el servicio de utiliza Ctrl+C

```
youtube |→ docker run -p 9090:80 -v "$PWD":/var/www/html --name=mi-servidor php:7.0-apache
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.
2. Set the 'ServerName' directive globally to suppress this message
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.
2. Set the 'ServerName' directive globally to suppress this message
[Mon Aug 07 21:34:53.917327 2017] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.10 (Debian) PHP/7.0.2
2 configured -- resuming normal operations
[Mon Aug 07 21:34:53.917425 2017] [core:notice] [pid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
172.17.0.1 - - [07/Aug/2017:21:35:30 +0000] "GET / HTTP/1.1" 200 23543 "-" "Mozilla/5.0 (Macintosh; Inte
l Mac OS X 10_12_5) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/59.0.3071.115 Safari/537.36"
172.17.0.1 - - [07/Aug/2017:21:35:30 +0000] "GET /favicon.ico HTTP/1.1" 404 502 "http://localhost:9090/"
"Mozilla/5.0 (Macintosh; Intel Mac OS X 10_12_5) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/59.0.307
1.115 Safari/537.36"
172.17.0.1 - - [07/Aug/2017:21:35:50 +0000] "GET / HTTP/1.1" 200 244 "-" "Mozilla/5.0 (Macintosh; Intel
Mac OS X 10_12_5) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/59.0.3071.115 Safari/537.36"
172.17.0.1 - - [07/Aug/2017:21:36:06 +0000] "GET / HTTP/1.1" 200 23594 "-" "Mozilla/5.0 (Macintosh; Inte
l Mac OS X 10_12_5) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/59.0.3071.115 Safari/537.36"
172.17.0.1 - - [07/Aug/2017:21:36:58 +0000] "-" 408 0 "-" "-"
172.17.0.1 - - [07/Aug/2017:21:36:58 +0000] "-" 408 0 "-" "-"
^C[Mon Aug 07 21:37:02.994833 2017] [mpm_prefork:notice] [pid 1] AH00169: caught SIGTERM, shutting down
youtube |→
```

Build Extension Build	AP210/5002.NTS
PHP Extension Build	AP210/5002.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by libmbstring

Para ver la imagen del servidor se escribe
docker ps -a -f name=mi-servidor



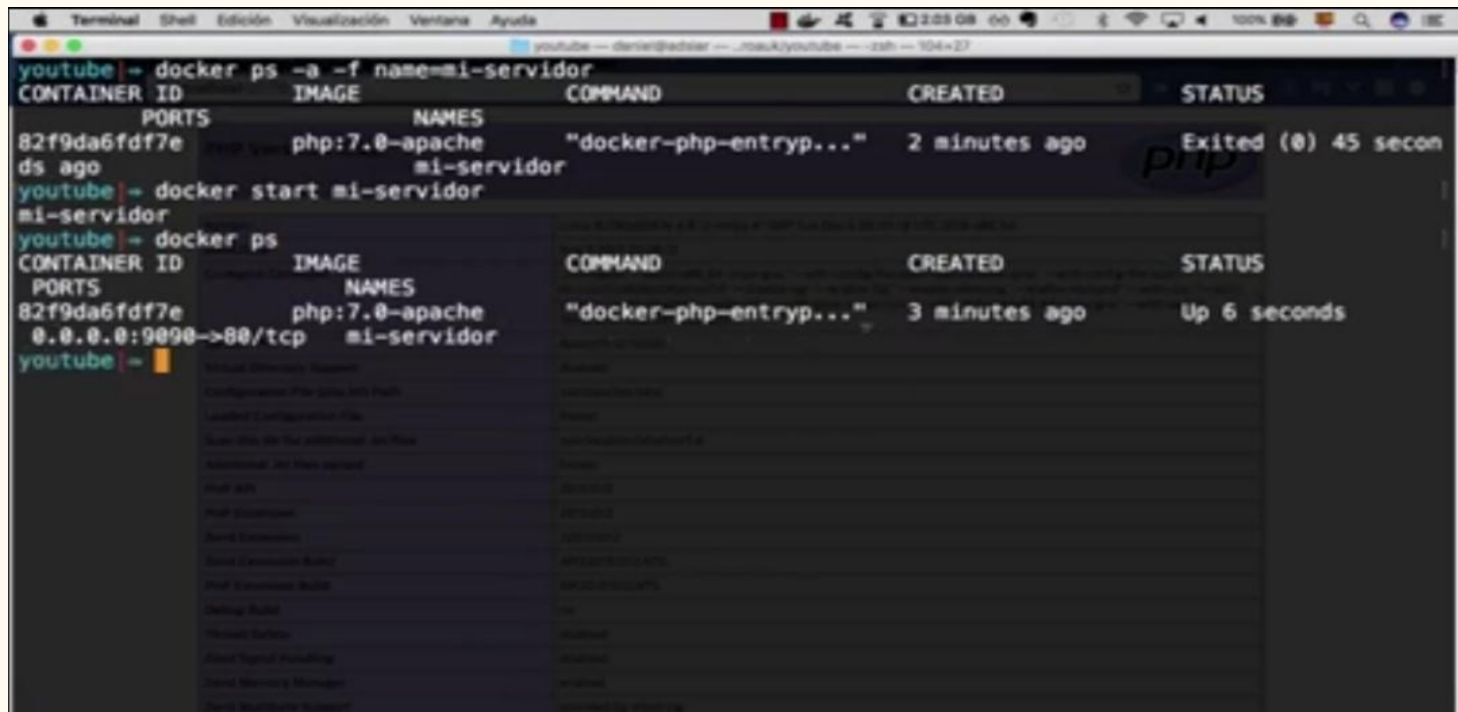
```
youtube |→ docker ps -a -f name=mi-servidor
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
82f9da6fdf7e	php:7.0-apache	"docker-php-entryp..."	2 minutes ago	Exited (0) 45 seconds ago

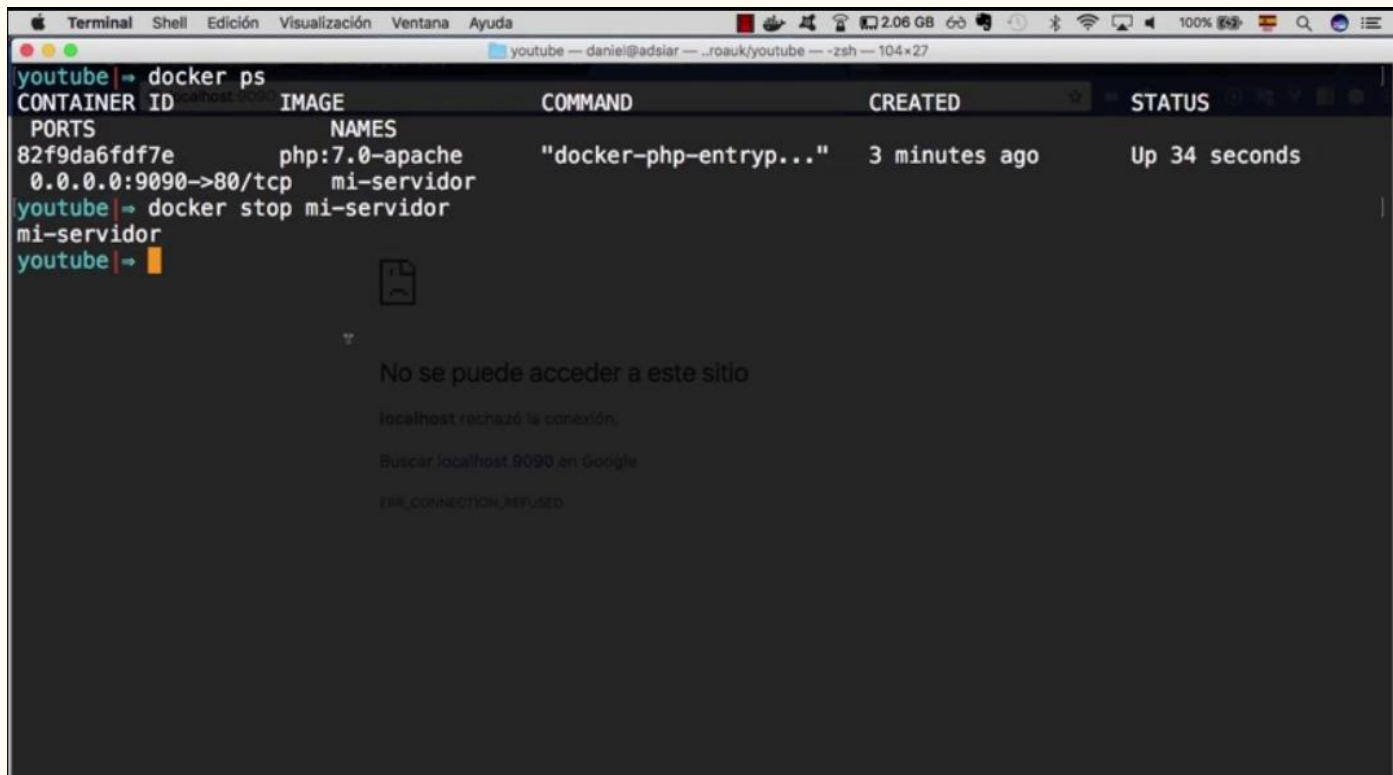
youtube |→

```
System: Linux 82f9da6fdf7e 4.8.13-impish #1 SMP Tue Dec 5 05:33:18 UTC 2018 x86_64
Build Date: Aug 2 2017 22:26:12
Configure Command: './configure' '--build=x86_64-linux-gnu' '--with-config-file-path=/usr/local/etc/php' '--with-config-file-scan-dir=/usr/local/etc/php/conf.d' '--enable-opcache' '--enable-fpm' '--enable-mbstring' '--enable-mysqlnd' '--with-curl' '--with-openssl' '--with-openssl-dir=/usr/local/opt/openssl' '--with-pdo-pgsql' '--with-sockets' '--with-zlib'
Server API: Apache 2.0 Handler
Virtual Directory Support: enabled
Configuration File (php.ini) Path: /usr/local/etc/php
Loaded Configuration File: /usr/local/etc/php/php.ini
Scan this dir for additional .ini files: /usr/local/etc/php/conf.d
Additional .ini files parsed: /usr/local/etc/php/conf.d/php.ini
PHP API: 20151012
PHP Extension: 20151012
Zend Extension: 20151012
Zend Extension Build: API20151012.NTS
PHP Extension Build: API20151012.NTS
Debug Build: no
Thread Safety: disabled
Zend Signal Handling: disabled
Zend Memory Manager: enabled
Zend Multithread Support: provided by Zend Engine
```


Para activar la imagen de escribe docker start mi-servidor, Enter y de nuevo se escribe docker ps

A terminal window with a dark background and light text. The window title is 'Terminal'. The user 'youtube' is logged in as 'denis@adslr' with IP '104.27'. The terminal shows the following sequence of commands and output:
1. Command: `docker ps -a -f name=mi-servidor`
Output: A table with columns: CONTAINER ID, IMAGE, COMMAND, CREATED, STATUS. It shows one container with ID '82f9da6fdf7e', image 'php:7.0-apache', command '"docker-php-entryp..."', created '2 minutes ago', and status 'Exited (0) 45 seconds'.
2. Command: `docker start mi-servidor`
Output: `mi-servidor`
3. Command: `docker ps`
Output: A table with columns: CONTAINER ID, IMAGE, COMMAND, CREATED, STATUS. It shows the same container now with status 'Up 6 seconds'.
4. Command: `0.0.0.0:9090->80/tcp`
Output: A list of services and their status, including Virtual Machine, Configuration, Localized Configuration, Scan, Authentication, Mail, Mail Exchanges, Search Exchanges, Mail Exchanges Build, Mail Exchanges Build, Define Build, Process Tables, Java Spring Framework, Java Spring Manager, and Java Spring Manager.

Para detenerlo se escribe docker stop mi-servidor



The screenshot shows a macOS Terminal window with the following content:

```
youtube ➔ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
82f9da6fdf7e	php:7.0-apache	"docker-php-entryp..."	3 minutes ago	Up 34 seconds

Below the table, the ports for the container are listed:

```
PORTS
0.0.0.0:9090->80/tcp
```

The user then runs the command to stop the container:

```
youtube ➔ docker stop mi-servidor
```

The output shows the container name:

```
mi-servidor
```

Finally, the user runs the command to start the container again:

```
youtube ➔
```

Below the terminal output, there is a web browser window showing an error message in Spanish:

No se puede acceder a este sitio

localhost rechazó la conexión.

Buscar localhost:9090 en Google

ERR_CONNECTION_REFUSED