

Docker Taller 3.2

1. Creación Dockerfile

Primero creamos el Dockerfile.

```
FROM ubuntu

RUN apt-get update
RUN apt-get upgrade

#Cuando se instala php pide que se elija la situación geográfica. Con esto se arregla el problema.
ENV DEBIAN_FRONTEND noninteractive
ENV DEBCONF_NONINTERACTIVE_SEEN true

RUN apt-get -y install php
RUN apt-get install apache2

WORKDIR /var/www/html

RUN echo '<?php echo phpinfo(); ?>' > index.php

EXPOSE 80

CMD /usr/sbin/apache2ctl -D FOREGROUND
```

2. Construcción de la imagen

Una vez creado el Dockerfile, procedemos a crear la imagen (tanto el proyecto de Maven como el Dockerfile los tenía en la misma ubicación para evitar problemas).

```
C:\Users\josem\Desktop\Desarrollo\NTT DATA\Bootcamp\App\nttdatcenter-docker-t3-jmmd\3.2>docker build -t php_image .
[+] Building 5.0s (11/11) FINISHED
=> [internal] load build definition from Dockerfile 0.0s
=> == transferring dockerfile: 525B 0.0s
=> [internal] load .dockerignore 0.0s
=> == transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest 0.7s
=> [1/7] FROM docker.io/library/ubuntu@sha256:4b1d0c4a2d2aaf63b3711f34eb9fa89fa1bf53dd6e4ca954dd47caebca4085c2 0.0s
=> CACHED [2/7] RUN apt-get update 0.0s
=> CACHED [3/7] RUN apt-get upgrade 0.0s
=> CACHED [4/7] RUN apt-get -y install php 0.0s
=> [5/7] RUN apt-get install apache2 0.0s
=> [6/7] WORKDIR /var/www/html 0.0s
=> [7/7] RUN echo '<?php echo phpinfo(); ?>' > index.php 0.7s
=> exporting to image 0.1s
=> == exporting layers 0.1s
=> == writing image sha256:1d68f2c989c20a8e79c33ae207a5e651433c70889431f4017abdf7f942079b61c 0.0s
=> == naming to docker.io/library/php_image 0.0s
```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
php_image	latest	1d68f2c989c2	5 minutes ago	250MB

3. Ejecución de la imagen

Ejecución del ejercicio de forma correcta. Si ponemos localhost:80/index.php en nuestro navegador podemos ver que funciona correctamente

```
C:\Users\josen\Desktop\Desarrollo\NTT_DATA\Bootcamp\App\nttdatadcenter-docker-t3-jmmd\3.2>docker run -ti -p 80:80 --rm php_image
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
```

PHP 8.1.2-1ubuntu2.8 - phpinfo()

localhost/index.php

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En pausa

PHP Version 8.1.2-1ubuntu2.8

System	Linux 169768a84b5 5.10.102.1-microsoft-standard-WSL2 #1 SMP Wed Mar 2 00:30:59 UTC 2022 x86_64
Build Date	Nov 2 2022 13:35:25
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-imagick.ini, /etc/php/8.1/apache2/conf.d/20-ldap.ini, /etc/php/8.1/apache2/conf.d/20-openssl.ini, /etc/php/8.1/apache2/conf.d/20-pdo.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	402010902
Zend Extension Build	API402010902.NTS
PHP Extension Build	API20210902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled