Find primary difference between Docker and Podman

Docker usa un daemon, un programa de fondo que corre imágenes y crea contenedores mientras Podman tiene una arquitectura daemonless y no necesita privilegios root para administrar contenedores. Los contenedores en Podman no tienen privilegios root por defecto, haciéndolos más seguros, aunque también pueden correrlos con privielgios root.

Docker es una herramienta todo en uno, con beneficios y desventajas que eso conlleva mientras Podman tiene un enfoque modular, dependiendo de herramientas externas para tareas específicas.

Create, build and run container with a Dockerfile

Dockerfile

```
Dockerfile > ...

You, hace 5 minutos | 1 author (You)

FROM node:16

# Create app directory

WORKDIR /usr/src/app

# Install app dependencies

# A wildcard is used to ensure both package.json AND package-lock.json are copied

# where available (npm@5+)

COPY package*.json ./

RUN npm install

# If you are building your code for production

# RUN npm ci --only=production

# Bundle app source

COPY . .

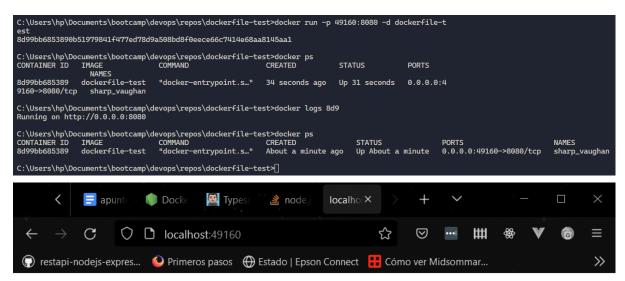
EXPOSE 8080

CMD [ "node", "server.js" ] You, hace 6 minutos * first commit
```

Docker image build

```
C:\Users\hp\Documents\bootcamp\devops\repos\dockerfile-test>docker build . -t dockerfile-test
[+] Building 18.9s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 439B
                                                                                                        1.3s
                                                                                                        0.05
=> [internal] load .dockerignore
=> => transferring context: 67B
                                                                                                        1.5s
                                                                                                        0.0s
=> [internal] load metadata for docker.io/library/node:16
=> [internal] load build context
                                                                                                        2.3s
                                                                                                        0.4s
 => => transferring context: 41.91kB
                                                                                                        0.0s
 => [1/5] FROM docker.io/library/node:16@sha256:68fc9f749931453d5c8545521b021dd97267e0
                                                                                                       0.0s
 => CACHED [2/5] WORKDIR /usr/src/app
                                                                                                        0.0s
=> [3/5] COPY package*.json ./
=> [4/5] RUN npm install
=> [5/5] COPY . .
                                                                                                        1.6s
                                                                                                        6.1s
                                                                                                        1.5s
 => exporting to image
                                                                                                        4.6s
 => => exporting layers
                                                                                                        3.8s
 => => writing image sha256:da4d5f9974f434def2f527bb43d5096bdbad36bb70774404cc7f761032
 => => naming to docker.io/library/dockerfile-test
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
```

Container running



Hello World