

DockerHub repository enlace

<https://hub.docker.com/r/lepache/p1-node>

Creando el Dockerfile (utilizando la imagen del Node)

```

FROM node:16
WORKDIR /usr/src/app
COPY package*.json ./
RUN npm install
COPY . .

EXPOSE 8080
CMD [ "node", "index.js" ]

```

Building la imagen

\$ docker build -t act-01/helloworld .

```

MacBook-Pro:helloworld lpache$ docker build -t act-01/helloworld .
Sending build context to Docker daemon 15.87kB
Step 1/7 : FROM node:16
Successfully built 61b80b8accb1
Successfully tagged act-01/helloworld:latest

```

Run

\$ docker run -d --name localhelloworld -p 8001:8080 act-01/helloworld

```

MacBook-Pro:helloworld lpache$ docker container ps

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
6f02d833f91a	act-01/helloworld	"docker-entrypoint.s..."	16 minutes ago	Up 22 seconds	0.0.0.0:8001->8080/tcp	localhelloworld

```

MacBook-Pro:helloworld lpache$

```

Testeando (Local)

```

MacBook-Pro:helloworld lpache$
MacBook-Pro:helloworld lpache$ curl -i http://192.168.99.105:8001/
[1] 78790
MacBook-Pro:helloworld lpache$ HTTP/1.1 200 OK
X-Powered-By: Express
Content-Type: text/html; charset=utf-8
Content-Length: 13
ETag: W/"d-+efWAbHyLi6tNMGv19/uGV8xpxE"
Date: Sun, 20 Feb 2022 21:27:52 GMT
Connection: keep-alive
Keep-Alive: timeout=5

Hello World!

```

Tag la imagen

\$ docker image tag act-01/helloworld lepache/p1-node

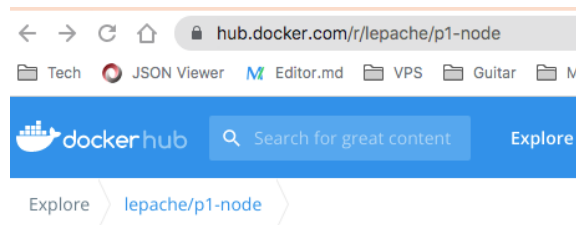
```

[MacBook-Pro:helloworld lpache$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
act-01/helloworld   latest             9eb9cfb0f4a7       11 minutes ago     935MB
lepache/p1-node     latest             9eb9cfb0f4a7       11 minutes ago     935MB
node                16                1e151315aa91       11 days ago        906MB

```

Push

\$ docker image push lepache/p1-node



Delete de las imagenes y contenedores local

\$ docker container stop <id>

\$ docker container rm -f <id>

\$ docker image rm -f <id>

```

[MacBook-Pro:helloworld lpache$ docker container ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
[MacBook-Pro:helloworld lpache$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
node                16                1e151315aa91       11 days ago        906MB
nginx              latest             c316d5a335a5       3 weeks ago        142MB
hello-world        latest             feb5d9fea6a5       4 months ago       13.3kB
atividade/nodejs    latest             c370555f8f78       7 months ago       952MB
node               14                29aef864d313       8 months ago       944MB
MacBook-Pro:helloworld lpache$

```

Pull

\$ docker pull lepache/p1-node:latest

```
MacBook-Pro:helloworld lpache$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
lepache/p1-node	latest	9eb9cfb0f4a7	25 minutes ago	935MB
node	16	1e151315aa91	11 days ago	906MB
nginx	latest	c316d5a335a5	3 weeks ago	142MB

Run

```
$ docker run -d --name p1-helloworld -p 8001:8080 lepache/p1-node
```

```
MacBook-Pro:helloworld lpache$ docker container ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
9495d28b42a9	lepache/p1-node	"docker-entrypoint.s..."	5 minutes ago	Up 29 seconds	8080/tcp, 0.0.0.0:8080->80/tcp	remote-helloworld

```
MacBook-Pro:helloworld lpache$
```

Testeando (con la imagen remota)

```
MacBook-Pro:helloworld lpache$ docker run -d --name p1-helloworld -p 8001:8080 lepache/p1-node
0444c1d26431cfd70ba8e863317524b83d3409e59791536150b19f385091b01f
MacBook-Pro:helloworld lpache$ curl -i http://192.168.99.105:8001 &
[1] 8652
MacBook-Pro:helloworld lpache$ HTTP/1.1 200 OK
X-Powered-By: Express
Content-Type: text/html; charset=utf-8
Content-Length: 13
ETag: W/"d--efWAbHyLi6tNMGv19/uGV8xpxE"
Date: Sun, 20 Feb 2022 22:11:31 GMT
Connection: keep-alive
Keep-Alive: timeout=5

Hello World! □
```