

# Laboratorio 4 - Redes

## Creación de Aplicaciones con Docker

### I. Ledezma H.

## Parte 2

```
Select Command Prompt

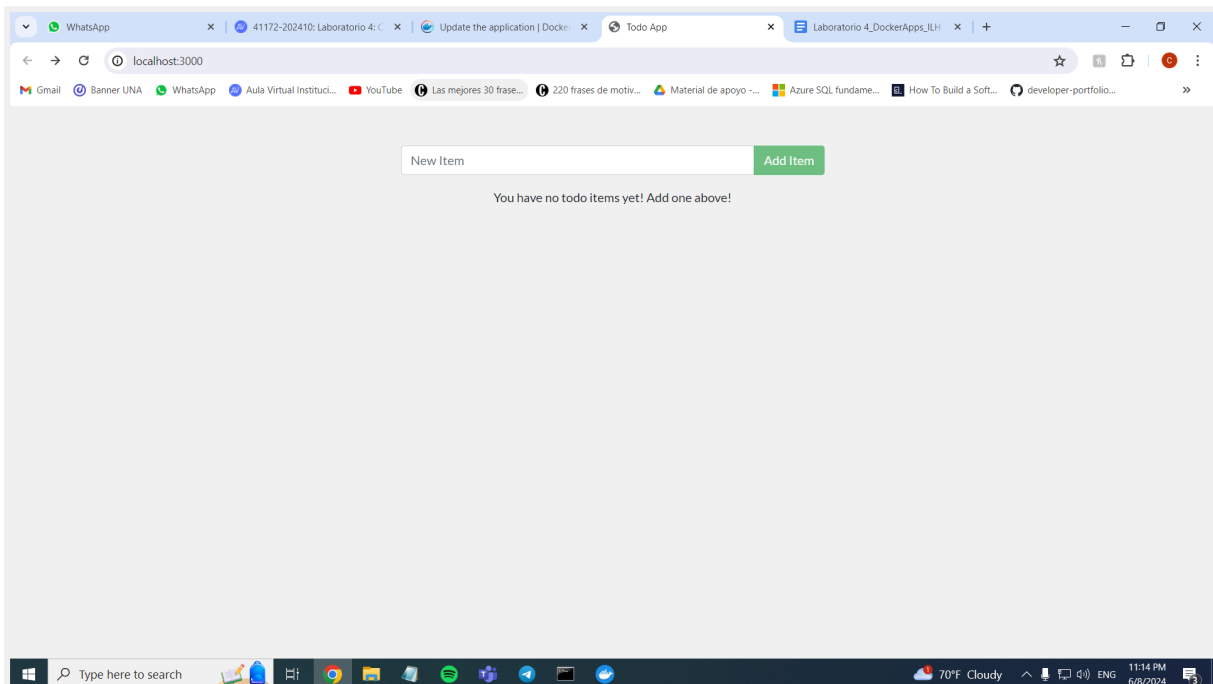
=> => sha256:05412f5b9ed819c373a2535804e473a155fc91bfb7adf469ec2312e056a9e87f 1.16kB / 1.16kB 0.0s
=> => sha256:e7d39d4d8569a6203be5b7a118d4d92526b267087023a49ee0868f7c50190191 7.23kB / 7.23kB 0.0s
=> => extracting sha256:d25f557d7f31bf7acfac935859b5153da41d13c41f2b468d16f729a5b883634f 0.1s
=> => sha256:bd06542006fda4279cb2edd761a84311c1fdbb90554e9feaaaf078a3674845742 447B / 447B 0.4s
=> => extracting sha256:f6124930634921d33d69a1a8b5848cb40d0b269e79b4c37c236cb5e4d61a2710 0.8s
=> => extracting sha256:22a81a0f8d1c30ce5a5da3579a84ab4c22fd2f14cb33863c1a752da6f056dc18 0.0s
=> => extracting sha256:bd06542006fda4279cb2edd761a84311c1fdbb90554e9feaaaf078a3674845742 0.0s
=> [internal] load build context 0.5s
=> => transferring context: 6.51MB 0.4s
=> [2/4] WORKDIR /app 0.4s
=> [3/4] COPY . . 0.1s
=> [4/4] RUN yarn install --production 9.5s
=> exporting to image 0.6s
=> => exporting layers 0.6s
=> => writing image sha256:36bbb8e26d38da7c2ad364249c4a2605db545e0d7c49472188def48a56c8ed97 0.0s
=> => naming to docker.io/library/getting-started-app 0.0s

What's Next?
View a summary of image vulnerabilities and recommendations -> docker scout quickview

C:\Users\CL\getting-started-app>docker run -dp 127.0.0.1:3000:3000 getting-started-app
108be4d95b4110b87446a9b936ea4b9c7884812bc444bb701bac0284e3ef6d08

C:\Users\CL\getting-started-app>docker ps
CONTAINER ID   IMAGE               COMMAND                  CREATED        STATUS        PORTS
108be4d95b41   getting-started-app "docker-entrypoint.s..." About a minute ago Up About a minute 127.0.0.1:3000->3000/tcp
serene_newton
```

## Parte 3



Parte 5

New Item

Add Item

☐ Tiger

☐ Cerveza

☐ Redes

Command Prompt

C:\Users\CL\getting-started-app>docker rm -f ebc6ffb810a2  
Error response from daemon: No such container: ebc6ffb810a2  
  
C:\Users\CL\getting-started-app>docker ps  
CONTAINER ID    IMAGE    COMMAND    CREATED    STATUS    PORTS  
f12b25fbc376    getting-started-app    "docker-entrypoint.s..."    About a minute ago    Up About a minute    127.0.0.1:3000->3000  
jovial\_cray  
  
C:\Users\CL\getting-started-app>docker rm -f f12b25fbc376  
f12b25fbc376  
  
C:\Users\CL\getting-started-app>docker run -dp 127.0.0.1:3000:3000 --mount type=volume,src=todo-db,target=/e  
getting-started-app  
781efe1ed1e5900ac2d6a1262bc2b8ebd12ef3a5dc7896730a632aedcad1ec51  
  
C:\Users\CL\getting-started-app>docker volume inspect todo-db  
[  
 {  
 "CreatedAt": "2024-06-09T05:16:05Z",  
 "Driver": "local",  
 "Labels": null,  
 "Mountpoint": "/var/lib/docker/volumes/todo-db/\_data",  
 "Name": "todo-db",  
 "Options": null,  
 "Scope": "local"  
 }  
]  
  
C:\Users\CL\getting-started-app>

Parte 7 → docker network ls

Command Prompt

Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 11  
Server version: 8.0.37 MySQL Community Server - GPL  
  
Copyright (c) 2000, 2024, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> select \* from todo\_items;  
Empty set (0.00 sec)  
  
mysql>  
What's next?  
 Try Docker Debug for seamless, persistent debugging tools in any container or image → [docker debug adb7bcea03c3](#)  
 Learn more at <https://docs.docker.com/go/debug-cli/>  
  
C:\Users\CL\getting-started-app>docker network ls  
NETWORK ID    NAME    DRIVER    SCOPE  
5b4cdcd8148e    bridge    bridge    local  
8933324e92dd    host    host    local  
4c224ef92ac6    none    null    local  
c7c01320f93c    todo-app    bridge    local

## Parte 7 → docker container ls

```
Command Prompt

5b4cdcd8148e bridge bridge local
8933324e92dd host host local
4c224ef92ac6 none null local
c7c01320f93c todo-app bridge local

C:\Users\CL\getting-started-app>docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
5b4cdcd8148e        bridge             bridge             local
8933324e92dd        host               host               local
4c224ef92ac6        none              null               local
c7c01320f93c        todo-app           bridge             local

C:\Users\CL\getting-started-app>docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
5b4cdcd8148e        bridge             bridge             local
8933324e92dd        host               host               local
4c224ef92ac6        none              null               local
c7c01320f93c        todo-app           bridge             local

C:\Users\CL\getting-started-app>docker container ls
CONTAINER ID        IMAGE               COMMAND              CREATED            STATUS              PORTS
47a013c9c271       node:18-alpine     "docker-entrypoint.s..." 3 minutes ago      Up 3 minutes       127.0.0.1:3000->3000/tcp
leepy_vaughan      nicolaka/netshoot  "zsh"                7 minutes ago      Up 5 minutes
a96ff97e7e38       nicolaka/netshoot  "zsh"                7 minutes ago      Up 5 minutes
razy_burnell       mysql:8.0           "docker-entrypoint.s..." 11 minutes ago     Up 9 minutes       3306/tcp, 33060/tcp
adb7bcea03c3       mysql:8.0           "docker-entrypoint.s..." 11 minutes ago     Up 9 minutes       3306/tcp, 33060/tcp
ractical_payne

C:\Users\CL\getting-started-app>
```

## Parte 8 → docker compose up -p (-d?)

```
Command Prompt

47a013c9c271       node:18-alpine     "docker-entrypoint.s..." 3 minutes ago      Up 3 minutes       127.0.0.1:3000->3000/tcp
leepy_vaughan      nicolaka/netshoot  "zsh"                7 minutes ago      Up 5 minutes
a96ff97e7e38       nicolaka/netshoot  "zsh"                7 minutes ago      Up 5 minutes
razy_burnell       mysql:8.0           "docker-entrypoint.s..." 11 minutes ago     Up 9 minutes       3306/tcp, 33060/tcp
adb7bcea03c3       mysql:8.0           "docker-entrypoint.s..." 11 minutes ago     Up 9 minutes       3306/tcp, 33060/tcp
ractical_payne

C:\Users\CL\getting-started-app>docker compose up -d
yaml: unmarshal errors:
  line 17: mapping key "image" already defined at line 3
  line 18: mapping key "volumes" already defined at line 8
  line 20: mapping key "environment" already defined at line 10

C:\Users\CL\getting-started-app>docker compose up -d
[+] Running 3/4
  ⬢ Network getting-started-app_default          Created                                0.0s
  ⬢ Volume "getting-started-app_todo-mysql-data" Created                                0.0s
  - Container getting-started-app-app-1          Starting                              0.5s
  ⬢ Container getting-started-app-mysql-1        Started                               0.5s
Error response from daemon: driver failed programming external connectivity on endpoint getting-started-app-app-1 (d4772690ef08bcca659a1bc99969abef24af5249e7a78e792f0b061e4fdef79c): Bind for 127.0.0.1:3000 failed: port is already allocated

[+] Running 2/2ting-started-app>docker compose up -d
  ⬢ Container getting-started-app-mysql-1        Running                               0.0s
  ⬢ Container getting-started-app-app-1          Started                               0.3s

C:\Users\CL\getting-started-app>docker compose up -p
unknown shorthand flag: 'p' in -p

C:\Users\CL\getting-started-app>
```

Parte 8 → docker container ls

```
C:\Users\CL\getting-started-app>docker container ls
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
32f356d5cb39   node:18-alpine "docker-entrypoint.s..." 3 minutes ago  Up 3 minutes  127.0.0.1:3000->3000/tcp  getti
ng-started-app-app-1
0f5ec7c35520   mysql:8.0      "docker-entrypoint.s..." 3 minutes ago  Up 3 minutes  3306/tcp, 33060/tcp      getti
ng-started-app-mysql-1

C:\Users\CL\getting-started-app>
```

Docker Desktop

Containers

Images

Volumes

Builds

Docker Scout

Extensions

Add Extensions

Containers

Give feedback

Container CPU usage 4.03% / 1200% (12 CPUs available)

Container memory usage 464.41MB / 7.54GB

Show charts

Search

Only show running containers

	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
	<b>pensive_dirac</b> ee425359fb6b	getting-started-app	Created (128)	3000:3000	0%		▶ ⋮ 🗑
	<b>zealous_fermi</b> 781efef1e1e5	getting-started-app	Exited	3000:3000	0%	14 minutes ago	▶ ⋮ 🗑
	<b>practical_payne</b> adb7bcea03c3	mysql:8.0	Exited		0%	19 minutes ago	▶ ⋮ 🗑
	<b>crazy_burnell</b> a96ff97e7e38	nicolaka/netshoot	Exited (137)		0%	15 minutes ago	▶ ⋮ 🗑
	<b>sleepy_vaughan</b> 47a013c9c271	node:18-alpine	Exited (1)	3000:3000	0%	13 minutes ago	▶ ⋮ 🗑
	<b>getting-started-app</b>		Running (2/2)		4.03%	4 minutes ago	■ ⋮ 🗑
	<b>app-1</b> 32f356d5cb39	node:18-alpine	Running	3000:3000	3.8%	4 minutes ago	■ ⋮ 🗑
	<b>mysql-1</b> 0f5ec7c35520	mysql:8.0	Running		0.23%	4 minutes ago	■ ⋮ 🗑

Showing 8 items

Engine running

RAM 5.03 GB CPU 1.41% Signed in

v4.30.0

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