

MF0493_Prova_practica_2024-06-28_Teresa_Gasbarro

Enlaces utiles:

[GitHub](#)

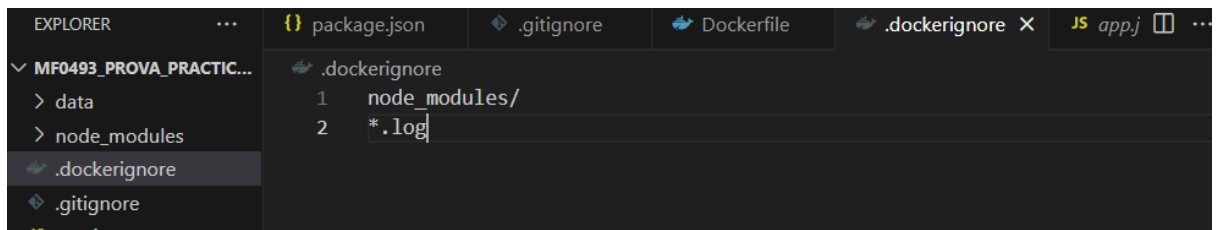
[Docker Hub](#) `docker push dice79/examen-cief:1`

[Render](#)

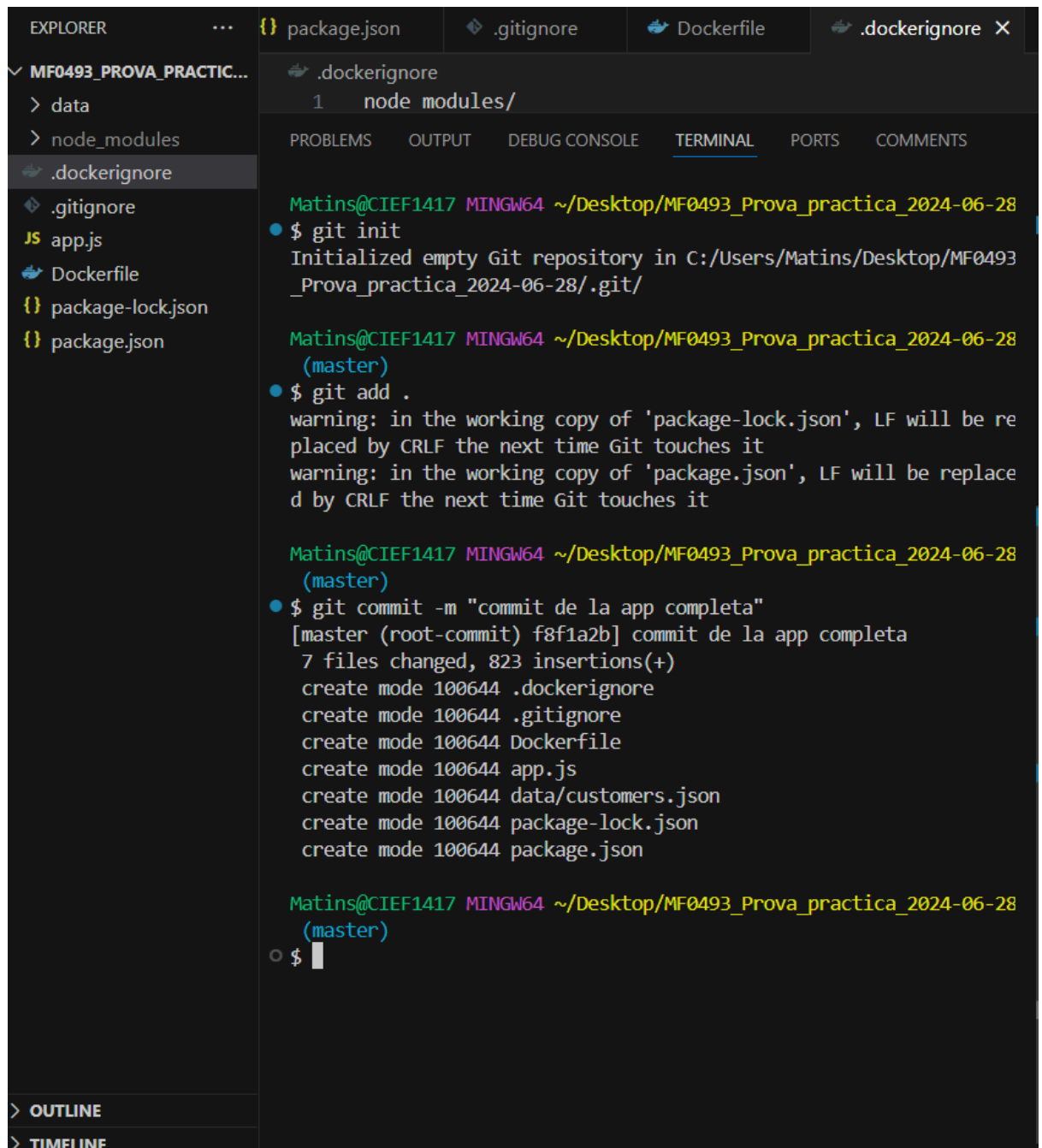
- Instalar módulos package.json
- Crear archivo .gitignore
- Crear Dockerfile

```
Dockerfile > ...
1  # imagen que vamos a utilizar ultima versión
2  FROM node
3
4  #Definir la carpeta de trabajo donde se almacenará nuestra app en
   docker
5  WORKDIR /app
6
7  # Copiar toda nuestra aplicación en la carpeta app
8  COPY . .
9
10 # Que instale los modulos
11 RUN npm install
12
13 # Arrancar la app
14 CMD ["npm", "start"]
```

- Crear archivo .dockerignore



- Crear repositorio en GitHub
- git init : Inicializar Git en nuestro repositorio en Visual Studio Code
- git add . : Añadir todos los archivos para subirlos
- git commit -m "descripción commit" : Ejecutar el commit añadiendo la descripción
-



The screenshot shows the Visual Studio Code interface. On the left, the Explorer sidebar displays the project structure for 'MF0493_PROVA_PRACTIC...'. The files listed are: `data`, `node_modules`, `.dockerignore`, `.gitignore`, `app.js`, `Dockerfile`, `package-lock.json`, and `package.json`. The `.dockerignore` file is currently selected. The main editor area shows the content of `.dockerignore`, which contains the text `node modules/`. Below the editor, the TERMINAL tab is active, showing a series of git commands and their outputs. The terminal output indicates that a new git repository was initialized, files were added, and a commit was created with the message 'commit de la app completa'.

```
Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
• $ git init
Initialized empty Git repository in C:/Users/Matins/Desktop/MF0493_Prova_practica_2024-06-28/.git/

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(master)
• $ git add .
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(master)
• $ git commit -m "commit de la app completa"
[master (root-commit) f8f1a2b] commit de la app completa
7 files changed, 823 insertions(+)
create mode 100644 .dockerignore
create mode 100644 .gitignore
create mode 100644 Dockerfile
create mode 100644 app.js
create mode 100644 data/customers.json
create mode 100644 package-lock.json
create mode 100644 package.json

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(master)
○ $
```

- `git remote add origin URL-repositorio` : Definir la dirección de mi repositorio según la url creada en GitHub
- `git branch -M main` : Definir la branca
- `git push -u origin main` : Ejecutar el push

```

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(master)
$ git remote add origin https://github.com/diche1879/examen-cief.git
git branch -M main
git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (10/10), 8.62 KiB | 1.72 MiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/diche1879/examen-cief.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
$

```

- Crear repositorio en Docker Hub para así tener ya el nombre de la imagen docker correspondiente

Create repository

Namespace
diche79

Repository Name *
examen-cief


Short description
Prueba de examen

A short description to identify your repository. If the repository is public, this description is used to index your content on Docker Hub and in search engines, and is visible to users in search results.

Pushing images

You can push a new image to this repository using the CLI:

```
docker tag local-image:tagname new-repo:tagname
docker push new-repo:tagname
```

Make sure to replace `tagname` with your desired image repository tag.

Visibility

Using 0 of 1 private repositories. [Get more](#)

☒ **Public** 
Appears in Docker Hub search results

☐ **Private** 
Only visible to you

Cancel
Create

diche79/examen-cief 

Created less than a minute ago

Prueba de examen 

This repository does not have a category   INCOMPLETE

Docker commands

To push a new tag to this repository:

```
docker push diche79/examen-cief:tagname
```

[Public View](#)

Tags  INCOMPLETE

This repository is empty. Push some images to it to see them appear here.

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#) 

- Crear la imagen en Docker asignando el nombre del repositorio y el tag

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
• $ docker build -t diche79/examen-cief:1 .
[+] Building 0.0s (0/0)  docker:default
2024/06/28 08:54:50 http2: server: error reading preface from client
[+] Building 5.7s (10/10) FINISHED          docker:default
=> [internal] load build definition from Dockerfile      0.0s
=> => transferring dockerfile: 341B                      0.0s
=> [internal] load metadata for docker.io/library/node:lat 1.3s
=> [auth] library/node:pull token for registry-1.docker.io 0.0s
=> [internal] load .dockerignore                        0.0s
=> => transferring context: 60B                          0.0s
=> [1/4] FROM docker.io/library/node:latest@sha256:b98ec1c 0.0s
=> [internal] load build context                        0.1s
=> => transferring context: 70.07kB                      0.1s
=> CACHED [2/4] WORKDIR /app                          0.0s
=> [3/4] COPY . .                                       0.2s
=> [4/4] RUN npm install                               3.9s
=> exporting to image                                  0.1s
=> => exporting layers                                    0.1s
=> => writing image to filesystem                          0.1s
=> => naming image                                         0.1s
View build details: docker-desktop://dashboard/build/default/default/pm5311hi5b37ic8ccxrnj1mx6
What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
$
```

- Verificar que se haya creado y que se despliegue correctamente

☐	Name	Tag	Status	Created	Size	Actions
☐	diche79/examen-cief 5e68556b6cc7	1	Unused	1 second ago	1.11 GB	

```
Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
$ docker run -p 3000:4000 diche79/examen-cief:1

> 2_express_repas@1.0.0 start
> node app.js

Servidor iniciado...
favicon.ico
█
```

```
[
  ▼ {
    "name": "Maria",
    "surname": "Bezzos",
    "email": "john.bezzos@pear.com",
    "key": "booksforever",
    "dateBirth": "2002-05-12",
    "foto": "john.bezzos.png"
  },
  ▼ {
    "name": "Bill",
    "surname": "Jobs",
    "email": "bill.jobs@pear.com",
    "key": "ilikeapples",
    "dateBirth": "1999-07-02",
    "foto": "bill.jobs.png"
  },
  ▼ {
    "name": "Steve",
    "surname": "Windows",
    "email": "steve.windows@pear.com",
    "key": "ilikelinux",
    "dateBirth": "1990-04-25",
    "foto": "steve.windows.png"
  },
  ▼ {
    "name": "Barbara",
    "surname": "Kingsolver",
    "email": "barbara.kingsolver@pear.com",
    "key": "blablabla",
    "dateBirth": "2004-01-03",
    "foto": "barbara.kingsolver.png"
  },
  ▼ {
    "name": "Maria",
    "surname": "Blanchard"
```

☐	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
☐	 naughty_sanderson a7cb9bccf1e4 	diche79/examen-cief:1	Running	3000:4000 	0%	2 minutes ago	  

- Loguear con nombre y password de docker

```
Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
$ docker login -u "diche79" -p "Pastaececi" docker.io
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
Login Succeeded

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
$
```

- Ejecutar el push

```
Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
$ docker push diche79/examen-cief:1
The push refers to repository [docker.io/diche79/examen-cief]
fc651a1497ab: Pushed
609cc1fe6e8a: Pushed
8bc4927ccc7b: Mounted from diche79/node-memory-game
9694718de140: Mounted from diche79/node-memory-game
7dad415bef86: Mounted from diche79/node-memory-game
fe24499e17e4: Mounted from diche79/node-memory-game
2543dc6136c8: Mounted from diche79/node-memory-game
3999ea91fb6e: Mounted from diche79/node-memory-game
43df359389fd: Mounted from diche79/node-memory-game
d3e8d42f967c: Mounted from diche79/node-memory-game
5d64de483bf5: Mounted from diche79/node-memory-game
1: digest: sha256:757a8cea9d0728db9faa0f88fb896e420f4f9a257a6919f0
0e2b388e9b8ae30b size: 2630

Matins@CIEF1417 MINGW64 ~/Desktop/MF0493_Prova_practica_2024-06-28
(main)
```

Updated 3 minutes ago

Prueba de examen

This repository does not have a category

INCOMPLETE

To push a new tag to this repository:

docker push diche79/examen-cief:tagname

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
1		Image	---	3 minutes ago

[See all](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag images whenever your code is updated, so you can focus on creating.

Available with Pro, Team and Business subscription [about automated builds](#)

Upgrade

1 minutes

Deploy an image

Image URL

The image URL for your external image.

 docker.io/diche79/examen-cief:1

Credential (Optional)

If your service pulls private Docker images from a registry, specify a credential that can access those images. Manage your credentials in [Settings](#).

No credential

You are deploying a web service for `docker.io/diche79/examen-cief:1`

Name

A unique name for your web service.

examen-cief:1

Region

Your services in the same [region](#) can communicate over a [private network](#).

Frankfurt (EU Central)

Instance Type

For hobby projects

Free

\$0 / month

512 MB (RAM)

0.1 CPU

⚠ Upgrade to enable more features

Free instances spin down after periods of inactivity. They do not support SSH access, scaling, one-off jobs, or persistent disks. Select any paid instance type to enable these features.

- Una vez rellenado todos los campos desplegar y esperar a que se cargue

WEB SERVICE

examen-cief:1

Image Free Upgrade your instance →

Connect

Ma

 diche79 / examen-cief

1

<https://examen-cief-1.onrender.com>

Events

Logs

Disks

Environment

Shell

Previews

Jobs

Metrics

Scaling

Settings

ⓘ Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more.

June 28, 2024 at 9:14 AM

Live

Deploy for 757a8ce 1

All logs

Search

Live tail GMT+2

```
Jun 28 09:15:43 AM > 2_express_repas@1.0.0 start
Jun 28 09:15:43 AM > node app.js
Jun 28 09:15:43 AM Servidor iniciado...
Jun 28 09:15:44 AM ==> New primary port detected: 4000. Restarting deploy to update network configuration...
Jun 28 09:16:24 AM ==> Docs on specifying a port: https://render.com/docs/web-services#port-binding
Jun 28 09:17:28 AM ==> Detected a new open port HTTP:4000
```

- Visualizar



examen-cief-1.onrender.com

```
▼ [
  ▼ {
    "name": "Maria",
    "surname": "Bezzos",
    "email": "john.bezzos@pear.com",
    "key": "booksforever",
    "dateBirth": "2002-05-12",
    "foto": "john.bezzos.png"
  },
  ▼ {
    "name": "Bill",
    "surname": "Jobs",
    "email": "bill.jobs@pear.com",
    "key": "ilikeapples",
    "dateBirth": "1999-07-02",
    "foto": "bill.jobs.png"
  },
  ▼ {
    "name": "Steve",
    "surname": "Windows",
    "email": "steve.windows@pear.com",
    "key": "ilikelinux",
    "dateBirth": "1990-04-25",
    "foto": "steve.windows.png"
  },
  ▼ {
    "name": "Barbara",
    "surname": "Kingsolver",
    "email": "barbara.kingsolver@pear.com",
    "key": "blablabla",
    "dateBirth": "2004-01-03",
    "foto": "barbara.kingsolver.png"
  },
]
```