

Desafío 9

Docker y Github

Actions

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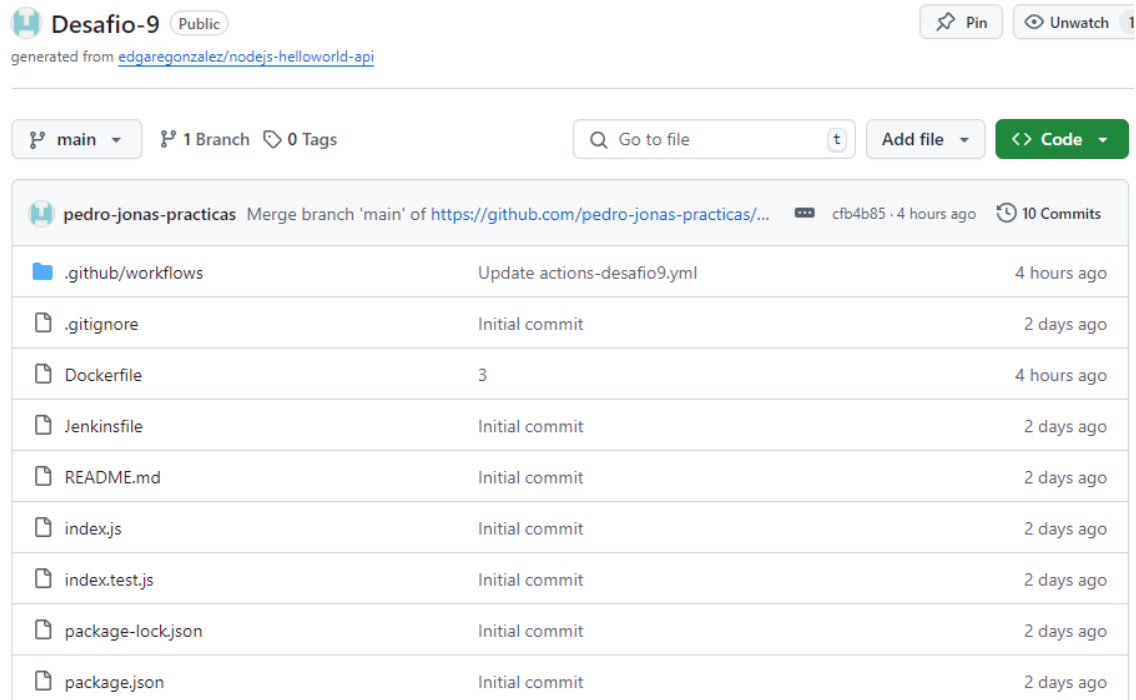
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Curso: Bootcamp Devops Engineer

Fecha: 04/10/2024

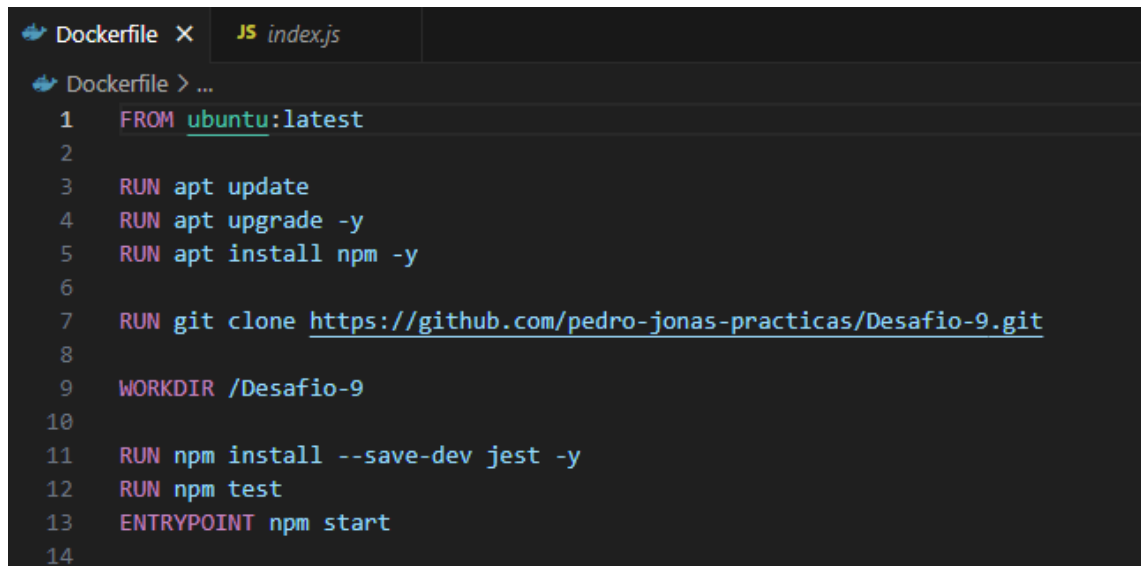
Evidencia de resultado exitoso

La aplicación indicada en el repositorio de la descripción la forkeamos en nuestra cuenta. Creamos un Dockerfile con base Ubuntu para ejecutar esta aplicación y lo dejamos en la raíz de nuestro repo:



The screenshot shows the GitHub interface for a repository named 'Desafio-9', which is public and generated from 'edgaregonzalez/nodejs-helloworld-api'. The repository has 1 branch (main) and 0 tags. The file list includes:

File	Commit	Time
.github/workflows	Update actions-desafio9.yml	4 hours ago
.gitignore	Initial commit	2 days ago
Dockerfile	3	4 hours ago
Jenkinsfile	Initial commit	2 days ago
README.md	Initial commit	2 days ago
index.js	Initial commit	2 days ago
index.test.js	Initial commit	2 days ago
package-lock.json	Initial commit	2 days ago
package.json	Initial commit	2 days ago










```
1 FROM ubuntu:latest
2
3 RUN apt update
4 RUN apt upgrade -y
5 RUN apt install npm -y
6
7 RUN git clone https://github.com/pedro-jonas-practicas/Desafio-9.git
8
9 WORKDIR /Desafio-9
10
11 RUN npm install --save-dev jest -y
12 RUN npm test
13 ENTRYPOINT npm start
14
```

Configuramos nuestras credenciales en nuestro repositorio como secrets para evitar hardcodearlos, luego las utilizará nuestro pipeline actions:

Repository secrets

[New repository secret](#)

Name 	Last updated
 DOCKER_PASSWORD	yesterday  
 DOCKER_USERNAME	yesterday  

Creamos nuestro pipeline **actions-desafio9.yml** detallando el directorio donde buscar el Dockerfile, la autenticación, el nombre del build:

[Desafio-9](#) / [.github](#) / [workflows](#) / [actions-desafio9.yml](#) 



pedro-jonas-practicas Update actions-desafio9.yml ✓

Code

Blame

38 lines (34 loc) · 1.23 KB

 Code 55% fast

```
1   name: Build and Push Docker Image - Multiarch
2
3   on:
4     push:
5       branches: [ "main" ]
6       paths:
7         - "**"
8         - ".github/workflows/actions-desafio9.yml"
9   jobs:
10    build-and-push:
11      runs-on: ubuntu-latest
12      steps:
13        - name: Check out the code
14          uses: actions/checkout@v2
```

Se ejecuta el pipeline de manera exitosa:

← Build and Push Docker Image - Multiarch

✓ Update actions-desafio9.yml #5

Summary

Jobs

✓ build-and-push

Run details

Usage

Workflow file

Re-run triggered 4 hours ago

pedro-jonas-practicas → 932c11c main

Status

Success

Total duration

17m 55s

Artifacts

—

actions-desafio9.yml

on: push

✓ build-and-push

17m 43s

build-and-push

succeeded 3 hours ago in 17m 43s

Search logs

- > ✓ Set up job 2s
- > ✓ Check out the code 1s
- > ✓ Set up Docker Buildx 4s
- > ✓ Login to DockerHub 1s
- > ✓ **Build and push** 17m 28s
- > ✓ Logout from DockerHub 0s
- > ✓ Post Build and push 0s
- > ✓ Post Login to DockerHub 0s
- > ✓ Post Set up Docker Buildx 5s
- > ✓ Post Check out the code 0s
- > ✓ Complete job 0s

Corroboramos en nuestro registry de Docker la imagen buildeada en nuestro repositorio privado:

pedrojonas

▼

Search by repository name

pedrojonas / **app-desafio9**

Contains: Image • Last pushed: about 3 hours ago

pedrojonas / **primerasiny**

Contains: Image • Last pushed: about 1 month ago

pedrojonas / **webpagecafe**


Contains: Image • Last pushed: 2 months ago

pedrojonas / **my-nginx**

Contains: Image • Last pushed: 2 months ago

pedrojonas/app-desafio9

Last pushed about 4 hours ago

This repository does not have a description 

This repository does not have a category 

Tags

This repository contains 1 tag(s).

Tag	OS	Type
 5		Image

Se buildeo exitosamente la imagen del Docker file en nuestro repositorio consumido por la action:

```
- name: Build and push
  uses: docker/build-push-action@v4
  with:
    context: ${ github.workspace }
    file: ${ github.workspace }/Dockerfile
    push: true
    tags: pedrojonas/app-desafio9:${ github.run_number }
    platforms: linux/amd64,linux/arm64,linux/arm/v7
```