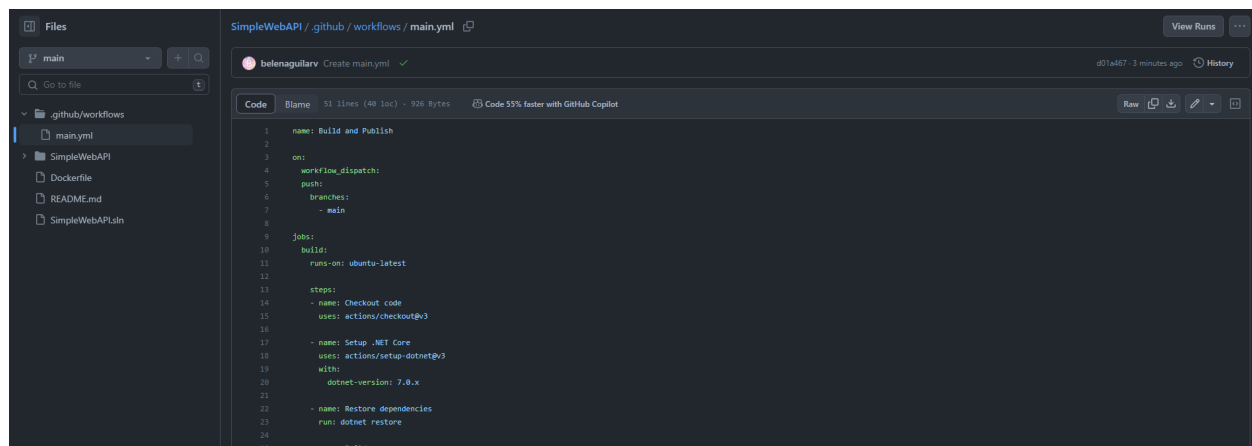


TP8 - Herramientas de construccion de software en la nube

Configurando GitHub Actions

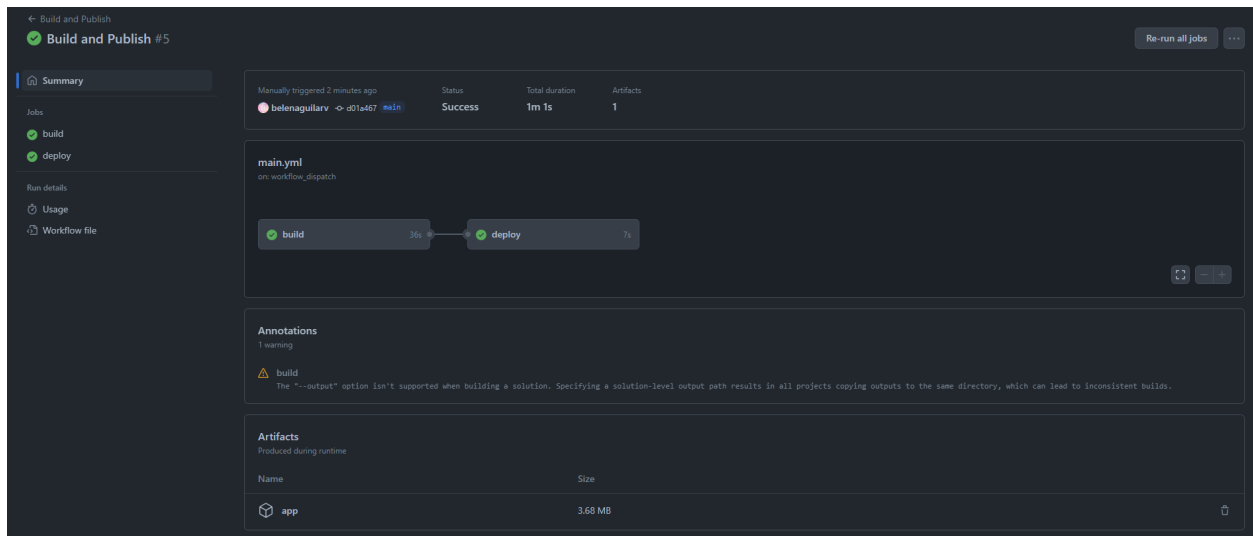
Repetir el ejercicio 6.1 del trabajo práctico trabajo práctico 7 para el proyecto SimpleWebAPI, pero utilizando GitHub Actions.

En GitHub, en el repositorio donde se encuentra la aplicación **SimpleWebAPI**, ir a la opción **Actions** y crear un nuevo `workflow`.

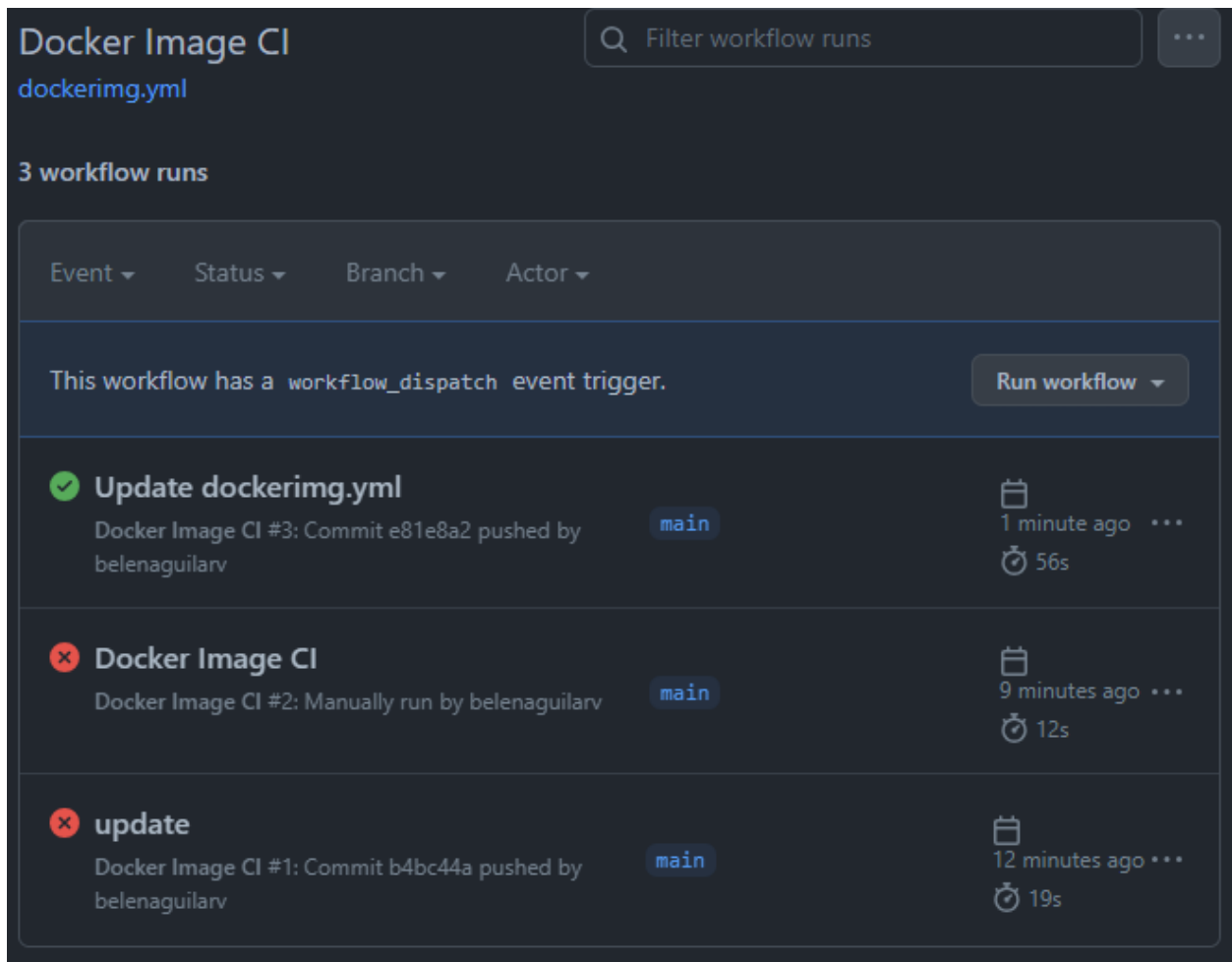


The screenshot shows the GitHub Actions workflow configuration for the SimpleWebAPI repository. The workflow is named 'Build and Publish' and is triggered on a push to the main branch. The workflow is configured to run on the ubuntu-latest runner. The steps include: Checkout code, Setup .NET Core, Restore dependencies, and Build.

```
1 name: Build and Publish
2
3 on:
4   workflow_dispatch:
5   push:
6     branches:
7       - main
8
9 jobs:
10  build:
11    runs-on: ubuntu-latest
12
13    steps:
14      - name: Checkout code
15        uses: actions/checkout@v3
16
17      - name: Setup .NET Core
18        uses: actions/setup-dotnet@v3
19        with:
20          dotnet-version: 7.0.x
21
22      - name: Restore dependencies
23        run: dotnet restore
24
25      - name: Build
```



Configurar un worflow en GitHub Actions para generar una imagen de Docker de SimpleWebApi y subirla a DockerHub



Verificar en DockerHub que la imagen ha sido subida

belenaguilarv / simple-web-api-gh
Contains: Image | Last pushed: a minute ago

Inactive

☆ 0

↓ 0

Public

Descargar la imagen

```
BELU@belenaguilarv MINGW64 ~/go/src/github.com/belenaguilarv/SimpleWebAPI (main)
$ docker pull belenaguilarv/simple-web-api-gh:latest
[2023-10-16T23:26:48.793518100Z][docker-credential-desktop.system][W] Windows version might not be up-to-date: The system cannot find the file specified.
latest: Pulling from belenaguilarv/simple-web-api-gh
e67fdae35593: Pull complete
0ab66724116f: Pull complete
14ccddebb1bc: Pull complete
5e265b51b431: Pull complete
3bda6efdfc5b: Pull complete
415741e188b4: Pull complete
4f4fb700ef54: Pull complete
c5af3294c5f3: Pull complete
Digest: sha256:83cd1439e268d13fb7c0083c01207757dec5e3464526bb98d26200174c901a64
Status: Downloaded newer image for belenaguilarv/simple-web-api-gh:latest
docker.io/belenaguilarv/simple-web-api-gh:latest

What's Next?
[2023-10-16T23:27:02.369593400Z][docker-credential-desktop.system][W] Windows version might not be up-to-date: The system cannot find the file specified.
View a summary of image vulnerabilities and recommendations → docker scout quickview belenaguilarv/simple-web-api-gh:latest
```

Crear el contenedor

```
BELU@belenaguilarv MINGW64 ~/go/src/github.com/belenaguilarv/SimpleWebAPI (main)
$ docker run --name myapi -d -p 8080:80 belenaguilarv/simple-web-api-gh
a7bc8ace4d2d6a2d987404b12b11a733a7428435e14c10daf4b04442191cd668
```

Navegar a <http://localhost:8080/weatherforecast>

```
{{"date":"2023-10-17","temperatureC":46,"temperatureF":114,"summary":"Calido"}, {"date":"2023-10-18","temperatureC":4,"temperatureF":39,"summary":"Bracing"}, {"date":"2023-10-19","temperatureC":2,"temperatureF":35,"summary":"Scorching"}, {"date":"2023-10-20","temperatureC":40,"temperatureF":103,"summary":"Balmy"}, {"date":"2023-10-21","temperatureC":13,"temperatureF":55,"summary":"Fresco"}}
```

Crear una GitHub Action que genere una imagen de Docker para el proyecto React y lo suba a DockerHub

En GitHub Actions generar una acción que genere una imagen de Docker para para el Ejercicio 2 del TP 5 y la suba a DockerHub

