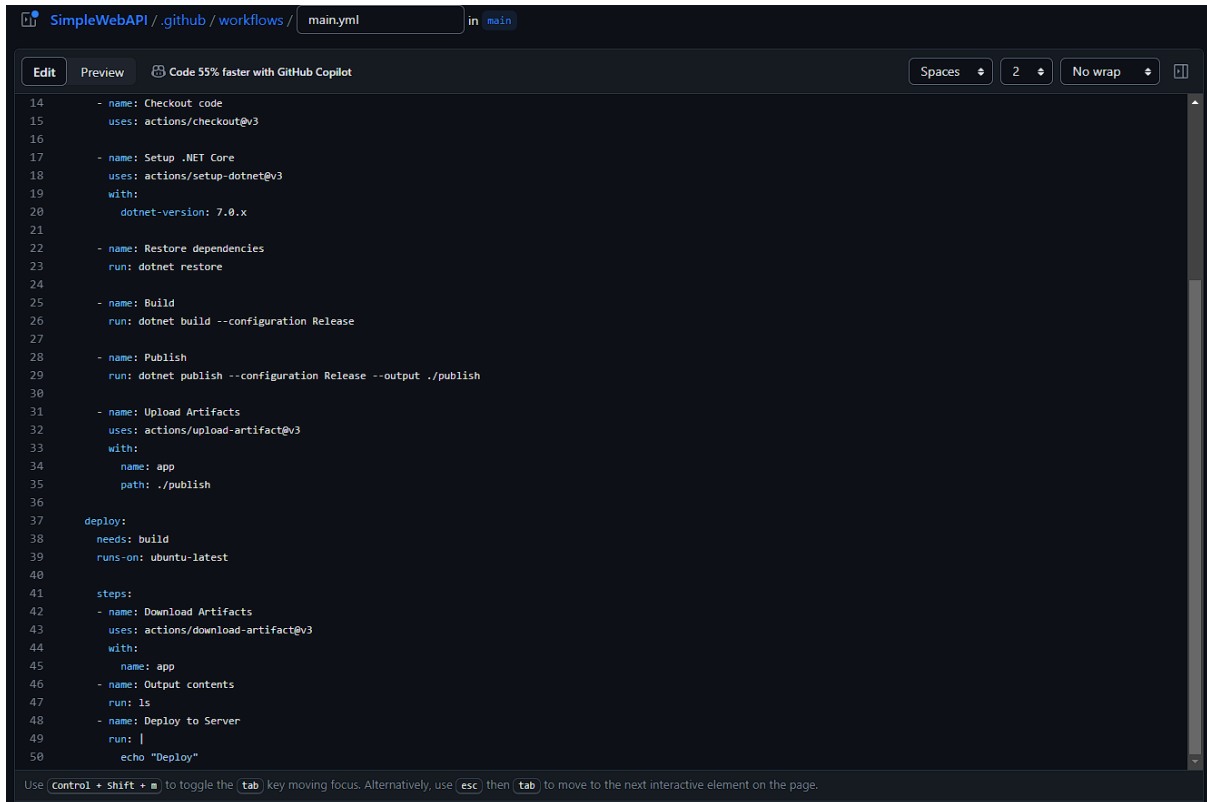


Ingeniera de Software 3

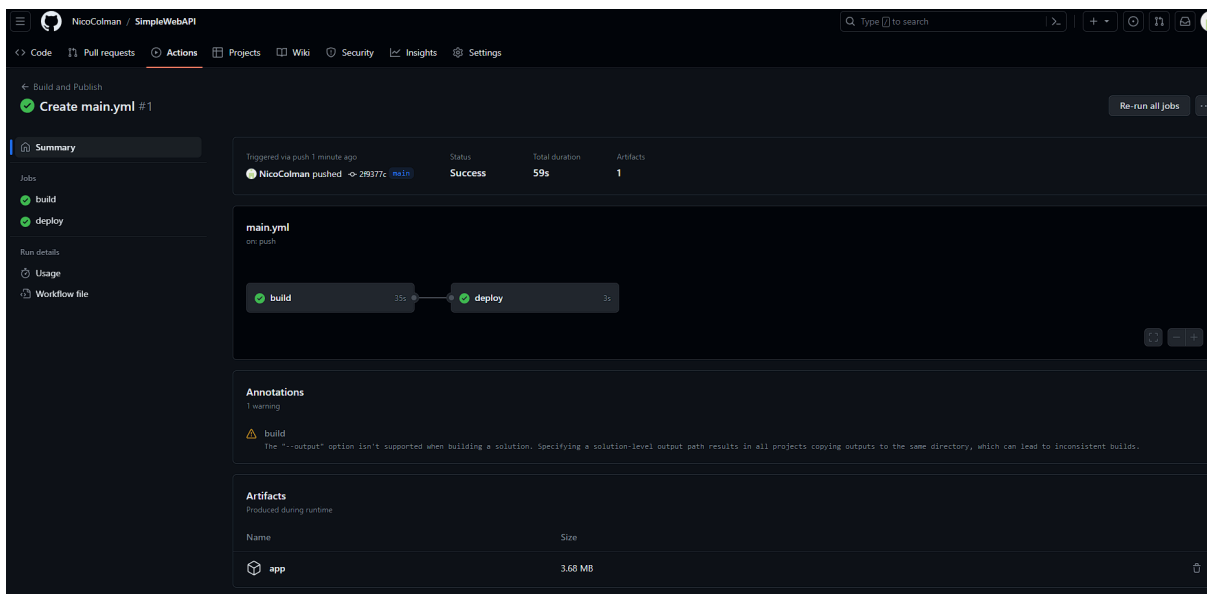
TP 8: Servidor de build

4.1: Vamos al fork de SimpleWebAPI en github y en acciones creamos un nuevo workflow con el siguiente codigo



```
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
26   run: dotnet build --configuration Release
27
28 - name: Publish
29   run: dotnet publish --configuration Release --output ./publish
30
31 - name: Upload Artifacts
32   uses: actions/upload-artifact@v3
33   with:
34     name: app
35     path: ./publish
36
37 deploy:
38   needs: build
39   runs-on: ubuntu-latest
40
41   steps:
42     - name: Download Artifacts
43       uses: actions/download-artifact@v3
44       with:
45         name: app
46     - name: Output contents
47       run: ls
48     - name: Deploy to Server
49       run: |
50         echo "Deploy"
```

Use **Control + Shift + M** to toggle the **(tab)** key moving focus. Alternatively, use **(esc)** then **(tab)** to move to the next interactive element on the page.



NicoColman / SimpleWebAPI

<> Code Pull requests **Actions** Projects Wiki Security Insights Settings

Build and Publish

✓ Create main.yml #1 Re-run all jobs

Summary

Jobs

- ✓ build
- ✓ deploy

Run details

- Usage
- Workflow file

Triggered via push 1 minute ago

NicoColman pushed • 289377c [main](#)

Status: **Success** Total duration: **59s** Artifacts: **1**

main.yml

on: push

build 35s → deploy 3s

Annotations

1 warning

build

The "--output" option isn't supported when building a solution. Specifying a solution-level output path results in all projects copying outputs to the same directory, which can lead to inconsistent builds.

Artifacts

Produced during runtime

Name	Size
app	3.68 MB

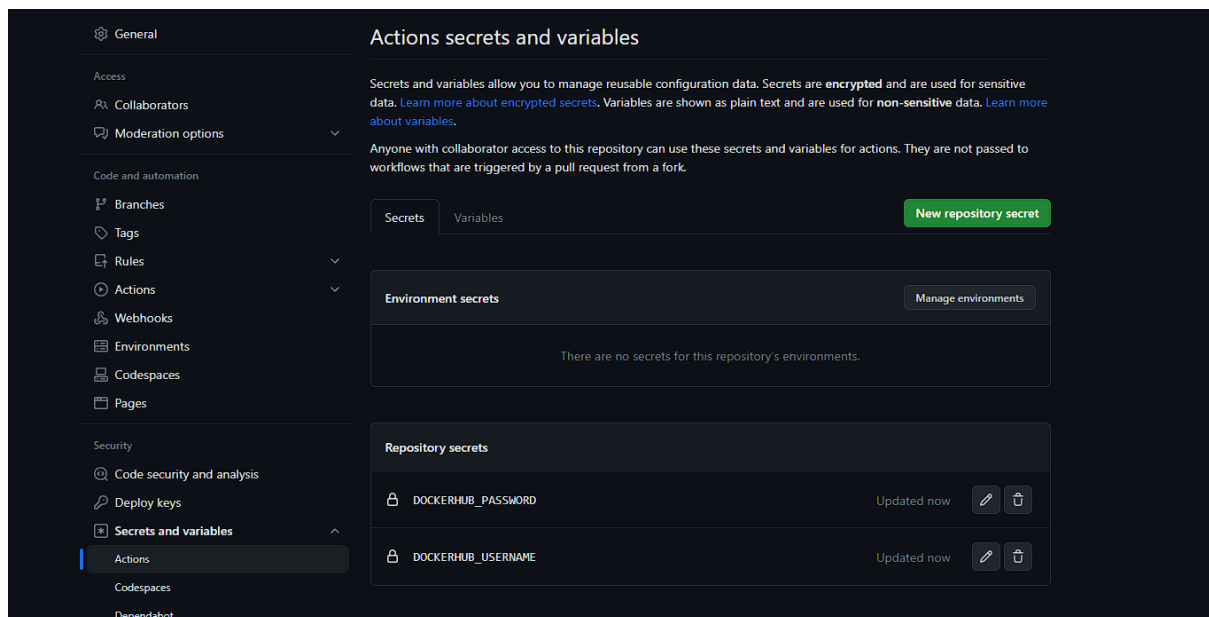
El pipeline anterior se inicia manualmente o cuando se realiza algun cambio en branch main.

Despues hace primero el job build donde descarga el codigo fuente, configura .NetCore, restaura las dependencias, hace un run, la publica y despues hace un upload de los archivos como un Artifact.

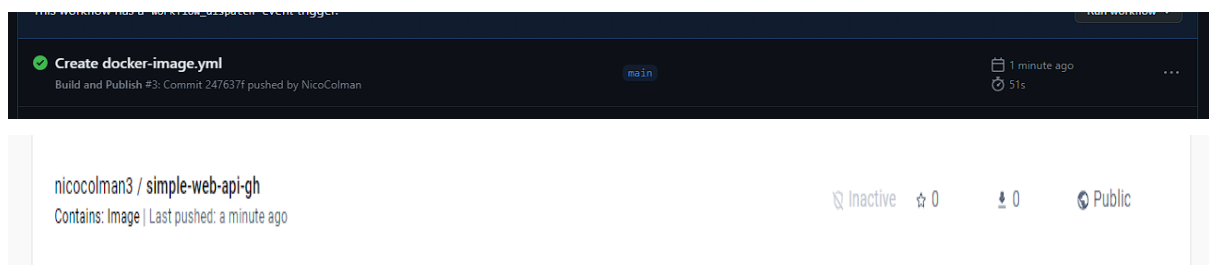
Por ultimo hace un job deploy donde necesita al build, descarga el Artifact, muestra el contenido del directorio y por ultimo muestra un mensaje.

4.3: Generar imagen Docker en GitHub Actions.

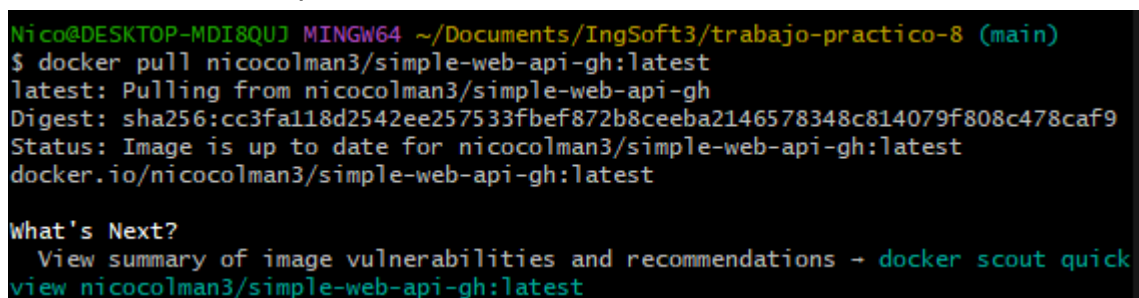
Generamos secrets



Y Creamos el GitHub Action

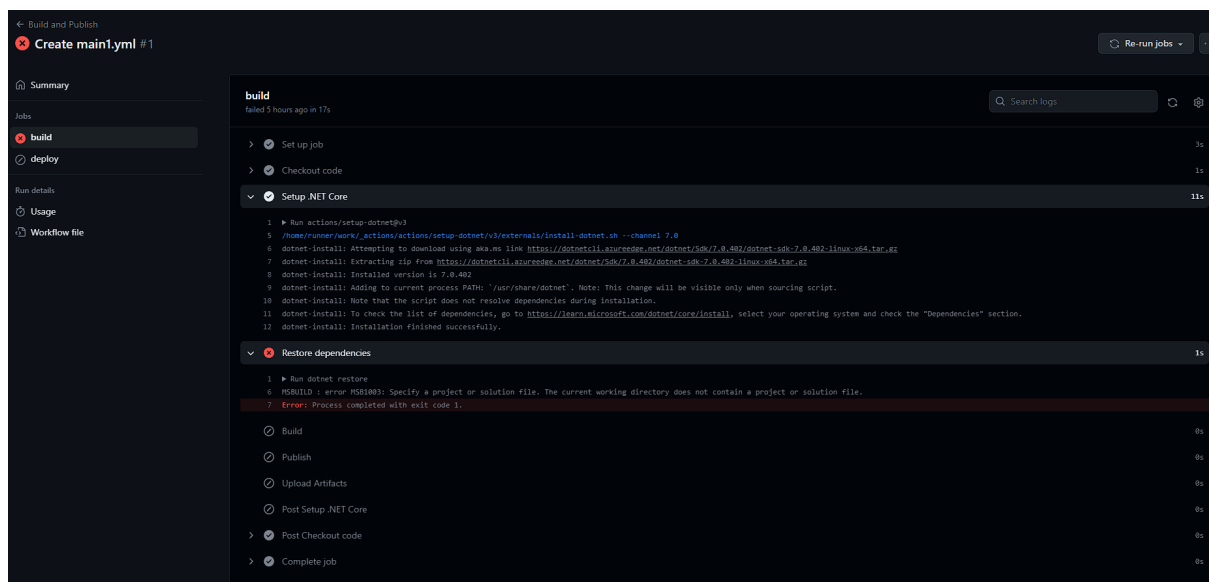
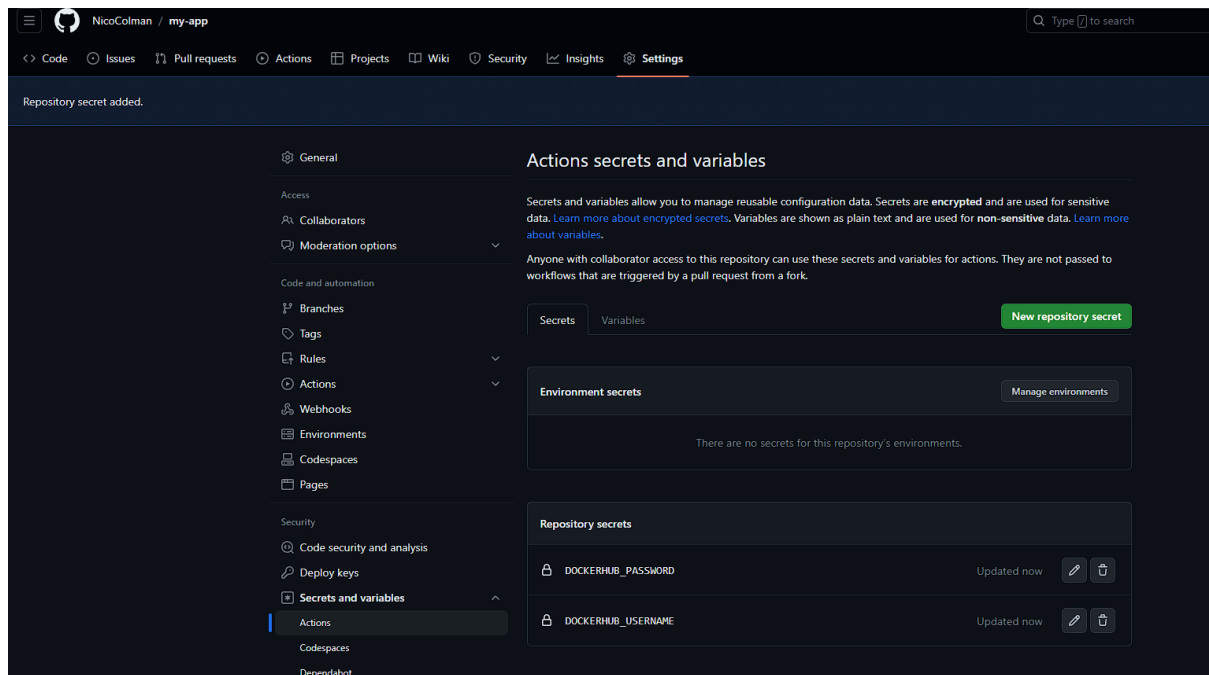


Hacemos un docker pull



4.5 Generar imagen docker para el proyecto React

Creamos secretos



No pude hacerlo andar, agregue un Dockerfile, lo reemplace. Soy profe el alumno que le pregunto hoy en clase.

Muchas gracias profe! Disculpe por no poder terminar este TP

Actions

New workflow

All workflows

Build and Publish

Docker Image CI

Docker Image CI

Management

Caches

Runners

Rate

All workflows

Showing runs from all workflows

9 workflow runs

Event

Status

Branch

Actor

Update Dockerfile

Docker Image CI #2: Commit c930eb2 pushed by NicoColman

main

6 hours ago

19s

...

Update Dockerfile

Build and Publish #6: Commit c930eb2 pushed by NicoColman

main

6 hours ago

51s

...

Update Dockerfile

Docker Image CI #3: Commit c930eb2 pushed by NicoColman

main

6 hours ago

20s

...

Create docker-image.yml

Docker Image CI #2: Commit 247637f pushed by NicoColman

main

6 hours ago

18s

...

Create docker-image.yml

Build and Publish #3: Commit 247637f pushed by NicoColman

main

6 hours ago

51s

...

Create docker-image.yml

Docker Image CI #1: Commit 247637f pushed by NicoColman

main

6 hours ago

19s

...

Create Docker.yml

Docker Image CI #1: Commit 18f1280 pushed by NicoColman

main

6 hours ago

24s

...

Create Docker.yml

Build and Publish #2: Commit 18f1280 pushed by NicoColman

main

6 hours ago

49s

...

Create main.yml

Build and Publish #1: Commit 2f9377c pushed by NicoColman

main

7 hours ago

59s

...

Build the Docker image

10 #2 [internal] load build definition from Dockerfile

11 #2 transferring dockerfile: 521B done

12 #2 DONE 0.0s

13

14 #3 [internal] load metadata for mcr.microsoft.com/dotnet/sdk:7.0

15 #3 DONE 0.3s

16

17 #4 [internal] load build context

18 #4 transferring context: 57.82kB 0.0s done

19 #4 DONE 0.0s

20

21 #5 [build 2/8] WORKDIR /src

22 #5 CACHED

23

24 #6 [build 3/8] COPY [MiProjectWebAPI.csproj, .]

25 #6 ERROR: failed to calculate checksum of ref 60ecb2fb-d6b7-4919-a470-803a7276f663::hhivtx1ru5qt7ffx97311tr4z: "/MiProjectWebAPI.csproj": not found

26

27 #7 [build 1/8] FROM mcr.microsoft.com/dotnet/sdk:7.0@sha256:d0755fbf1ed34aec9c127fd1dd01b80587acdb8ff50e5a68d1adf8b076922b

28 #7 resolve mcr.microsoft.com/dotnet/sdk:7.0@sha256:d0755fbf1ed34aec9c127fd1dd01b80587acdb8ff50e5a68d1adf8b076922b done

29 #7 sha256:bd36eac352dbb2d27a63f4714b9063fc8c7e9c615e430006d0eb7e3448cd5780 5.28kB / 5.28kB done

30 #7 sha256:d0755fbf1ed34aec9c127fd1dd01b80587acdb8ff50e5a68d1adf8b076922b 1.79kB / 1.79kB done

31 #7 sha256:fb7eed1efcc4cd2571e40f8c34949a094744a96594b0501b4e24b7f0767bcb 2.01kB / 2.01kB done

32 #7 CANCELED

33 -----

34 > [build 3/8] COPY [MiProjectWebAPI.csproj, .]:

35 -----

36 Dockerfile:8

37 -----

38 6 | FROM mcr.microsoft.com/dotnet/sdk:7.0 AS build

39 7 | WORKDIR /src

40 8 | >>> COPY ["MiProjectWebAPI.csproj", "."]

41 9 | RUN dotnet restore "/MiProjectWebAPI.csproj"

42 10 | COPY . .

43 -----

44 ERROR: failed to solve: failed to compute cache key: failed to calculate checksum of ref 60ecb2fb-d6b7-4919-a470-803a7276f663::hhivtx1ru5qt7ffx97311tr4z: "/MiProjectWebAPI.csproj": not found

45 Error: Process completed with exit code 1.

43 -----

44 ERROR: failed to solve: failed to compute cache key: failed to calculate checksum of ref 60ecb2fb-d6b7-4919-a470-803a7276f663::hhivtx1ru5qt7ffx97311tr4z: "/MiProjectWebAPI.csproj": not found

45 Error: Process completed with exit code 1.