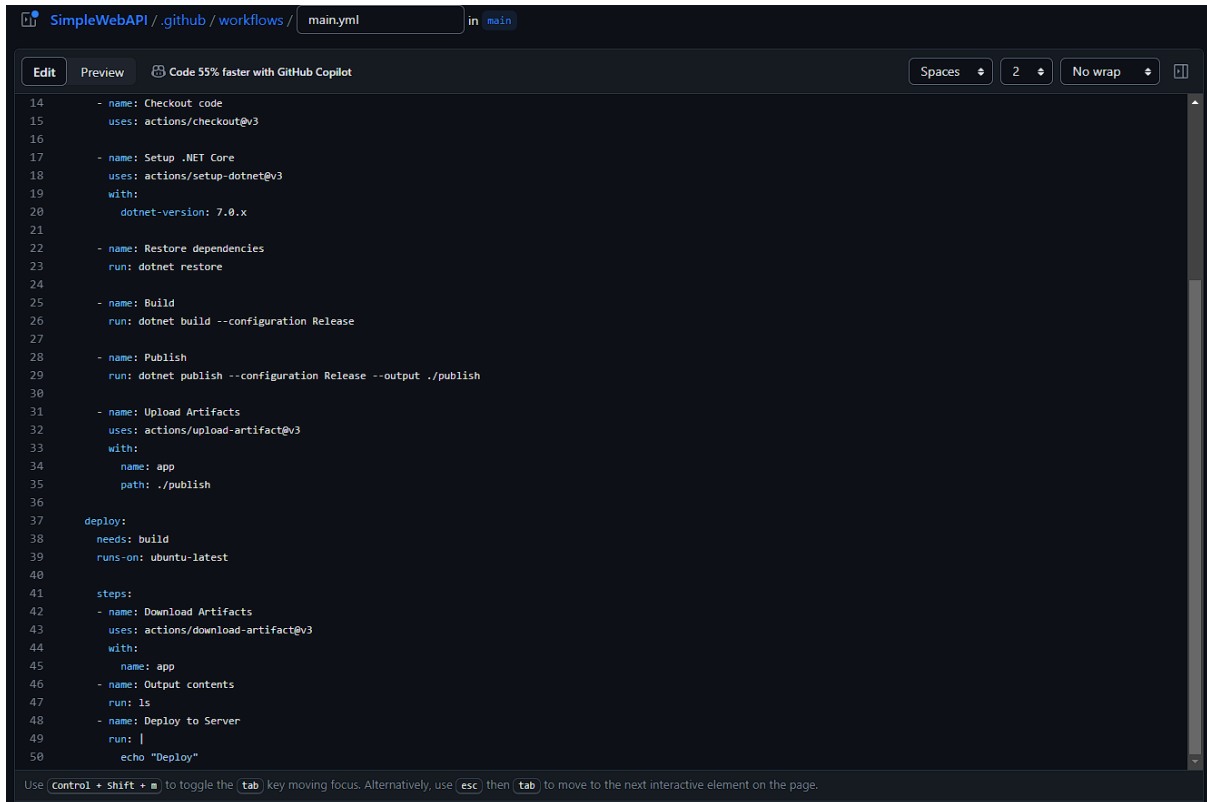


Ingeniera de Software 3

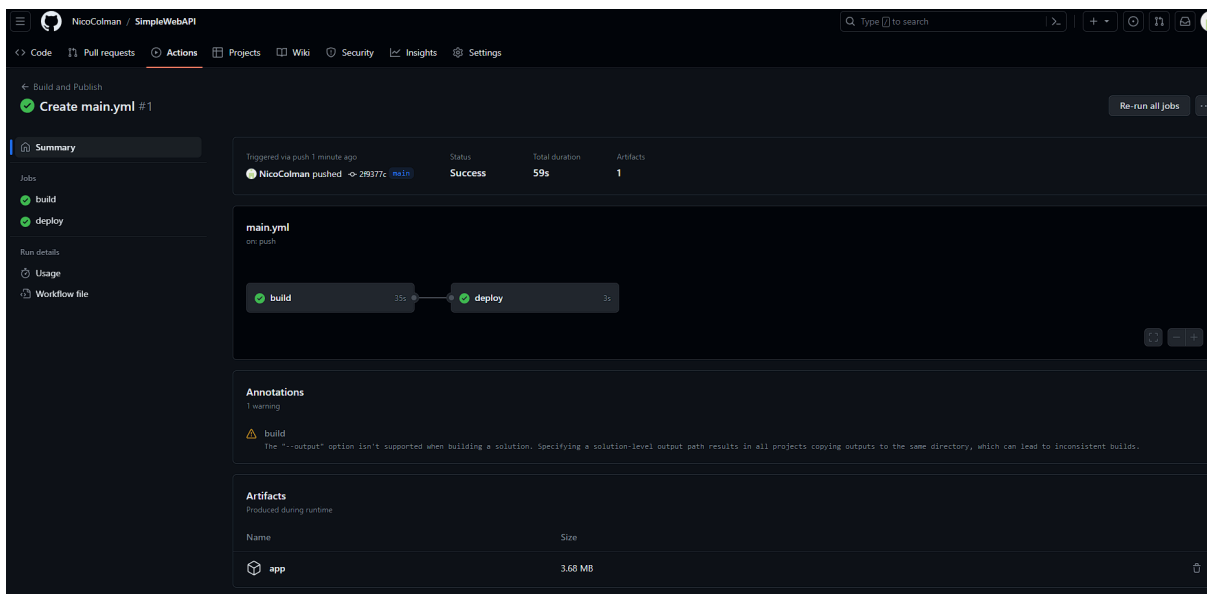
TP 8: Servidor de build

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



```
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

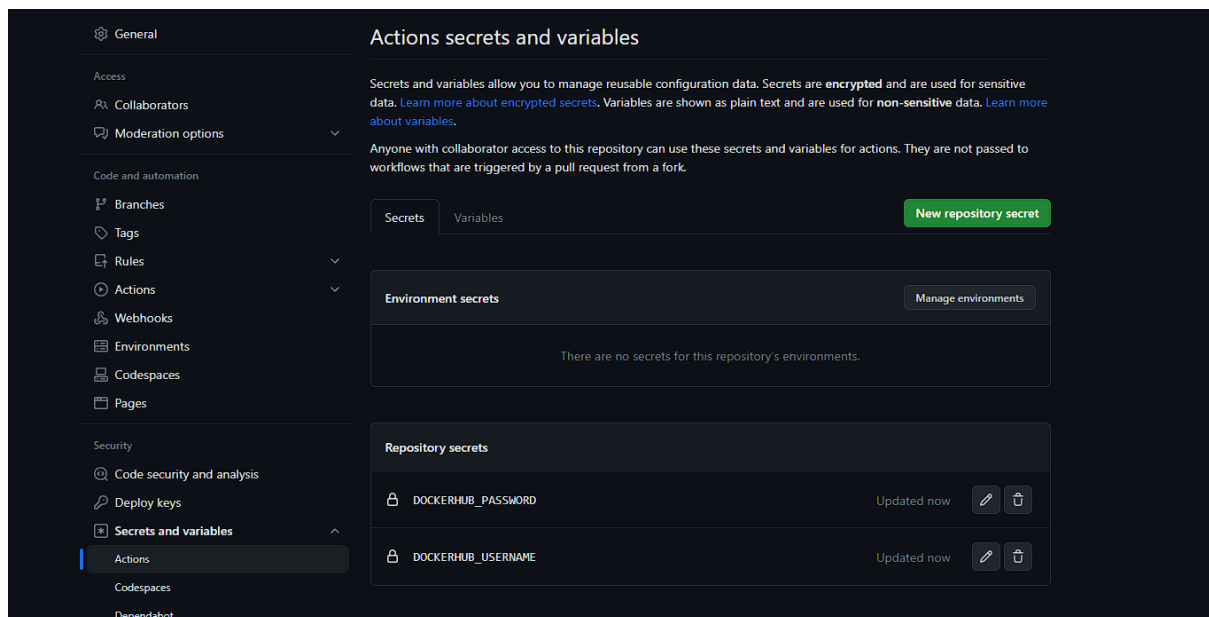
El pipeline anterior se inicia manualmente o cuando se realiza algun cambio en branch main.

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.

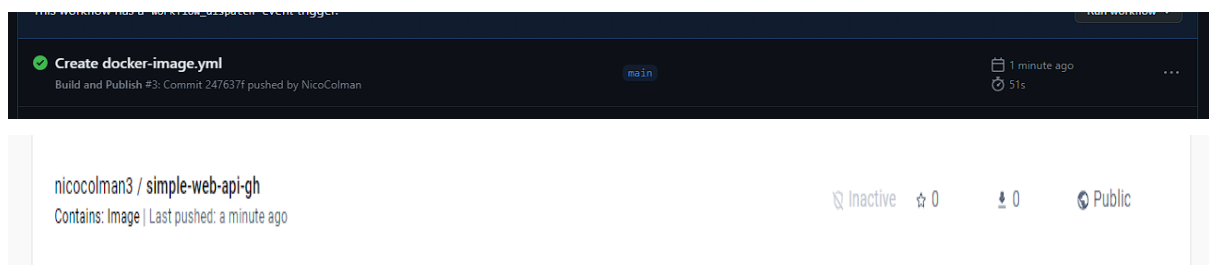
Por ultimo hace un job deploy donde necesita al build, descarga el Artifact, muestra el contenido del directorio y por ultimo muestra un mensaje.

4.3: Generar imagen Docker en GitHub Actions.

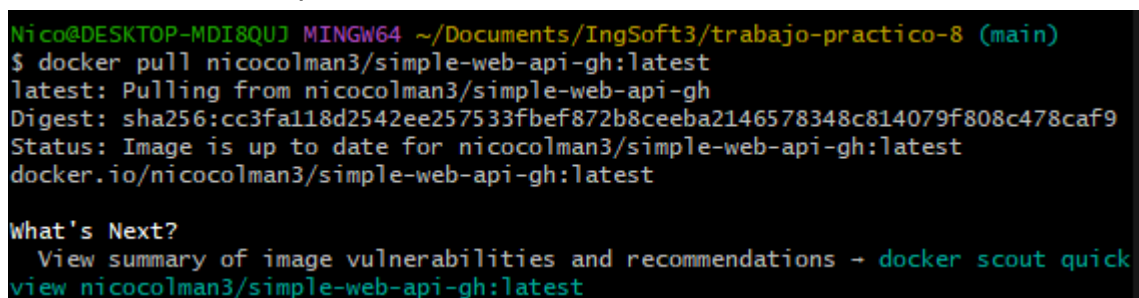
Generamos secrets



Y Creamos el GitHub Action

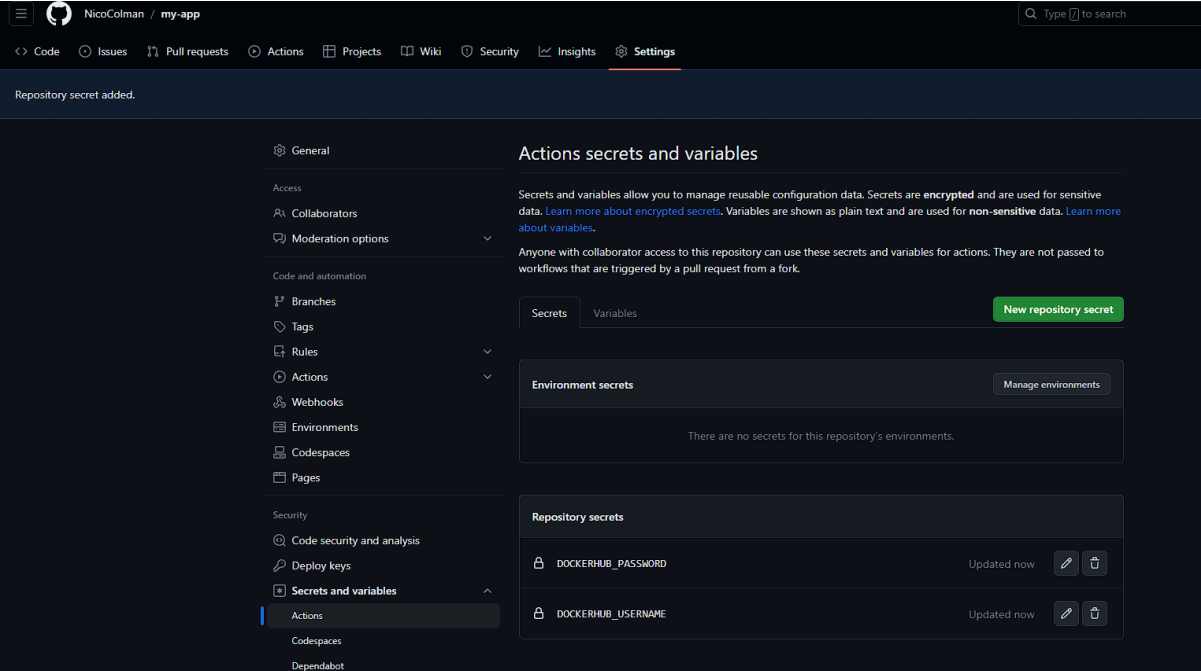


Hacemos un docker pull



4.5 Generar imagen docker para el proyecto React

Creamos secretos



The screenshot shows the GitHub repository settings for a repository named 'my-app' by user 'NicoColman'. The 'Settings' tab is selected, and the 'Secrets and variables' section is active. The left sidebar contains a navigation menu with categories: General, Access, Code and automation, and Security. Under 'Secrets and variables', the 'Actions' sub-section is highlighted. The main content area is titled 'Actions secrets and variables' and includes a 'New repository secret' button. It also shows 'Environment secrets' (currently empty) and 'Repository secrets' which lists two secrets: 'DOCKERHUB_PASSWORD' and 'DOCKERHUB_USERNAME', both updated 'now'.

Repository secret added.

General

Access

- Collaborators
- Moderation options

Code and automation

- Branches
- Tags
- Rules
- Actions
- Webhooks
- Environments
- Codespaces
- Pages

Security

- Code security and analysis
- Deploy keys
- Secrets and variables**
- Codespaces
- Dependabot



Actions secrets and variables

Secrets Variables **New repository secret**

Environment secrets **Manage environments**

There are no secrets for this repository's environments.

Repository secrets

DOCKERHUB_PASSWORD	Updated now		
DOCKERHUB_USERNAME	Updated now	