

2)

The image shows two screenshots of the GitHub Actions interface. The top screenshot displays the 'Get started with GitHub Actions' page for the repository 'GustiSchonfeld / SimpleWebAPI2'. It includes a search bar for workflows, a 'Suggested for this repository' section with three workflow cards (Docker image, .NET Desktop, Publish Docker Container), and a 'Deployment' section with four cards (Deploy a container to an Amazon Web App, Deploy to Amazon ECS, Build and Deploy to GKE, Deploy to Alibaba Cloud ACK). The bottom screenshot shows the workflow configuration editor for the file '.github/workflows/main.yml' in the 'main' branch. The editor includes a 'Preview' tab and a 'Marketplace' sidebar. The workflow file content is as follows:

```
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
```

The 'Marketplace' sidebar on the right shows 'Featured Actions' with the following list:

- Setup Node.js environment** (3.2k stars)
- Setup Java JDK** (1.3k stars)
- Setup Go environment** (1.2k stars)
- Close Stale Issues** (1.1k stars)

Commit changes

Commit message

Create main.yml

Extended description

Add an optional extended description..

☒ Commit directly to the main branch

☐ Create a new branch for this commit and start a pull request

[Learn more about pull requests](#)

Cancel

Commit changes

Actions

New workflow

All workflows

Build and Publish

Management

Caches

Runners

Beta

Build and Publish

main.yml

Help us improve GitHub Actions

Tell us how to make GitHub Actions work better for you with three quick questions.

Give feedback

1 workflow run

Event

Status

Branch

Actor

This workflow has a workflow_dispatch event trigger.

Run workflow

Create main.yml

Build and Publish #1: Commit bade6c2 pushed by GustiSchonfeld

main

1 minute ago

30s

Build and Publish

Build and Publish #2

Cancel workflow

Summary

Jobs

build

deploy

Run details

Usage

Workflow file

Manually triggered now

GustiSchonfeld

bade6c2

main

Status

Queued

Total duration

-

Artifacts

-

main.yml

on: workflow_dispatch

build

32s

deploy

Explicación pipeline:

Build:

Se lleva a cabo en una máquina Ubuntu.

Comienza adquiriendo el código desde el repositorio.

Establece la configuración del entorno .NET Core.

Realiza la restauración de las dependencias del proyecto mediante el comando `dotnet restore`.

Compila la aplicación empleando el comando `dotnet build` en el modo Release.

Publica la aplicación mediante el comando `dotnet publish` en la carpeta `./publish`.

Carga los artefactos generados en el pipeline para su uso posterior.

Implementación:

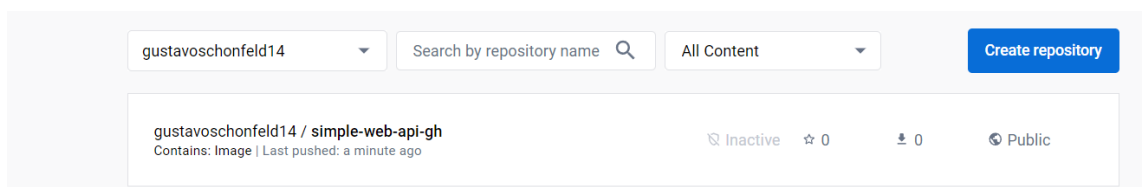
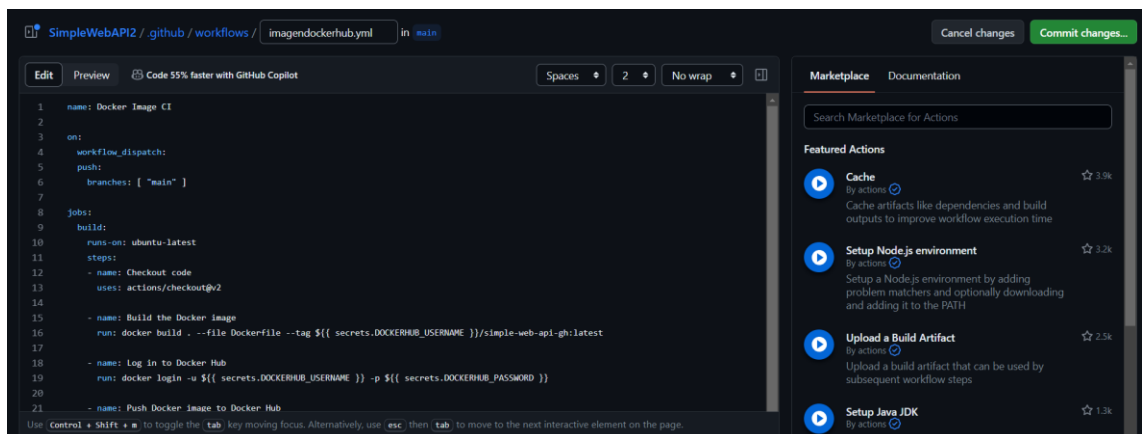
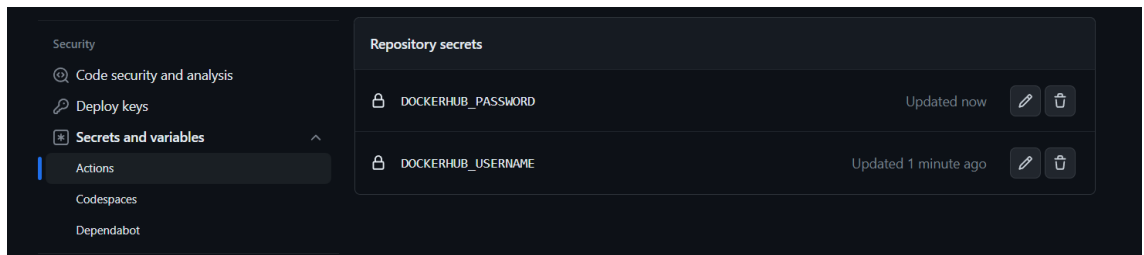
Este paso se ejecuta tras la etapa de preparación y requiere que se haya completado con éxito.

Descarga los artefactos de la aplicación generados en el paso previo.

Muestra el contenido de la carpeta actual utilizando `ls`.

Muestra un mensaje de despliegue en la consola. Esto es solo un marcador de posición, y normalmente, en este punto se llevaría a cabo la implementación en un servidor o en el entorno de producción.

3)

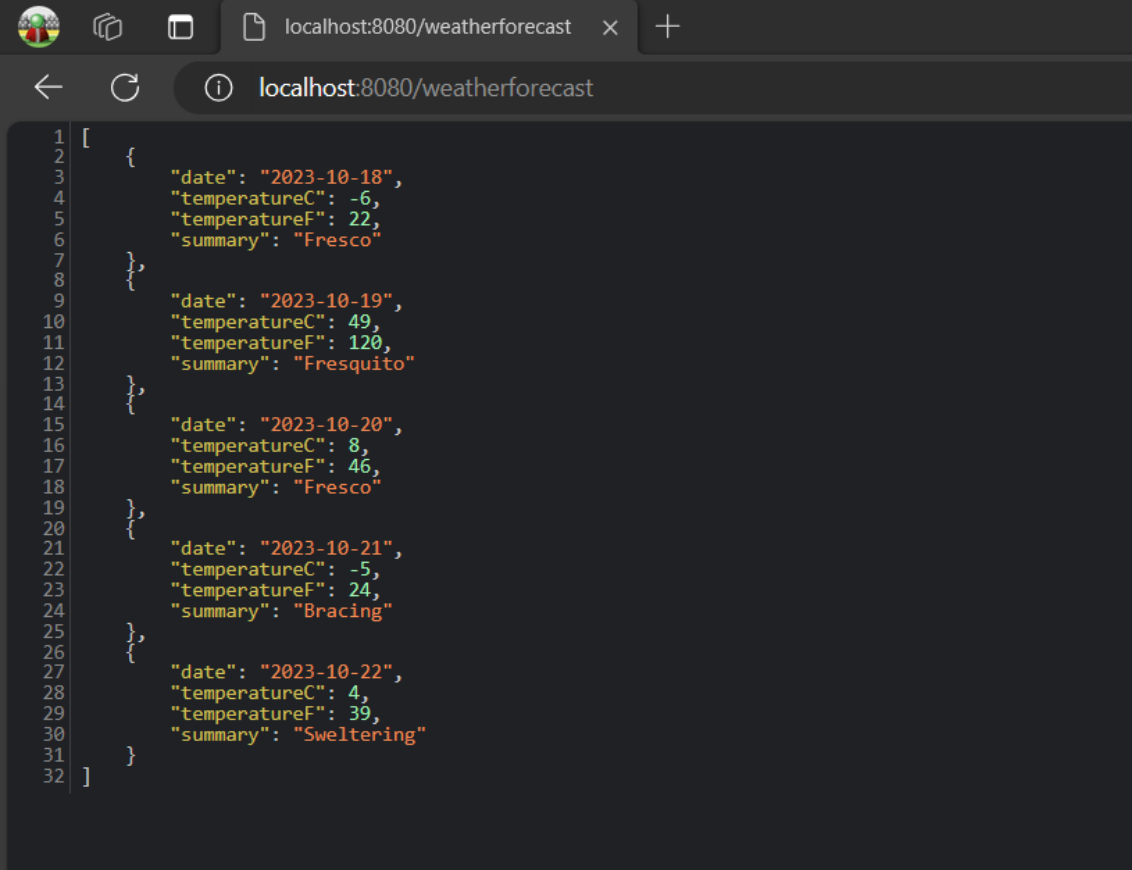


```

PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\tp7\SimpleWebAPI2> docker pull gustavoschonfel
d14/simple-web-api-gh:latest
latest: Pulling from gustavoschonfeld14/simple-web-api-gh
e67fdae35593: Already exists
0ab66724116f: Already exists
14ccddeb1bc: Already exists
5e265b51b431: Already exists
3bda6efdfc5b: Already exists
11dd870724a5: Pull complete
4f4fb700ef54: Pull complete
afe4a5a921ab: Pull complete
Digest: sha256:eb0806f0ac5e97d2c66f3eba0f43e5afb4d28577c26abaacb077808ad59a94ab
Status: Downloaded newer image for gustavoschonfeld14/simple-web-api-gh:latest
docker.io/gustavoschonfeld14/simple-web-api-gh:latest

What's Next?
View summary of image vulnerabilities and recommendations → docker scout quickview gustavoschonfeld14/simple-web-api-gh:latest
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\tp7\SimpleWebAPI2> docker run --name myapi -d
-p 8080:80 gustavoschonfeld14/simple-web-api-gh
7ae2a9585e7a411050b30d81c1263bee07ffb35aa7d05ed23c9fe66ea5f84d02
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\tp7\SimpleWebAPI2>

```



```

1  [
2    {
3      "date": "2023-10-18",
4      "temperatureC": -6,
5      "temperatureF": 22,
6      "summary": "Fresco"
7    },
8  },
9    {
10     "date": "2023-10-19",
11     "temperatureC": 49,
12     "temperatureF": 120,
13     "summary": "Fresquito"
14   },
15   },
16   {
17     "date": "2023-10-20",
18     "temperatureC": 8,
19     "temperatureF": 46,
20     "summary": "Fresco"
21   },
22   },
23   {
24     "date": "2023-10-21",
25     "temperatureC": -5,
26     "temperatureF": 24,
27     "summary": "Bracing"
28   },
29   },
30   {
31     "date": "2023-10-22",
32     "temperatureC": 4,
33     "temperatureF": 39,
34     "summary": "Sweltering"
35   }
36 ]

```