

Aluno: Jonathas Borges Cavalcante

Atividade: Laboratorio 1

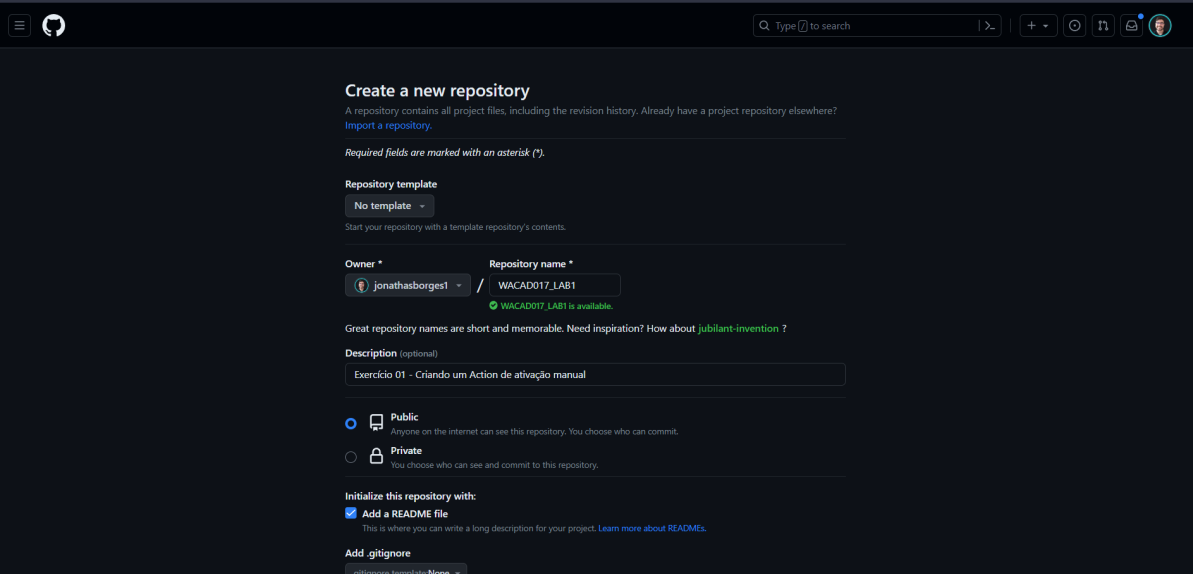
Projeto: Web Academy CI/CD

Codigo: WACAD017

Disciplina: Fundamentos de Integração Contínua e Deploy de Aplicação Web

## Exercício 01 - Criando um Action de ativação manual

### 1 — Crie um repositório (publico) na sua conta do GitHub



**Create a new repository**

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

*Required fields are marked with an asterisk (\*).*

**Repository template**

No template ▾

Start your repository with a template repository's contents.

**Owner \*** **Repository name \***

jonathasborges1 / WACAD017\_LAB1

WACAD017\_LAB1 is available.

Great repository names are short and memorable. Need inspiration? How about [jubilant-invention](#)?

**Description (optional)**

Exercício 01 - Criando um Action de ativação manual

**Public**

Anyone on the internet can see this repository. You choose who can commit.

**Private**

You choose who can see and commit to this repository.

**Initialize this repository with:**

☒ **Add a README file**

This is where you can write a long description for your project. [Learn more about READMEs.](#)

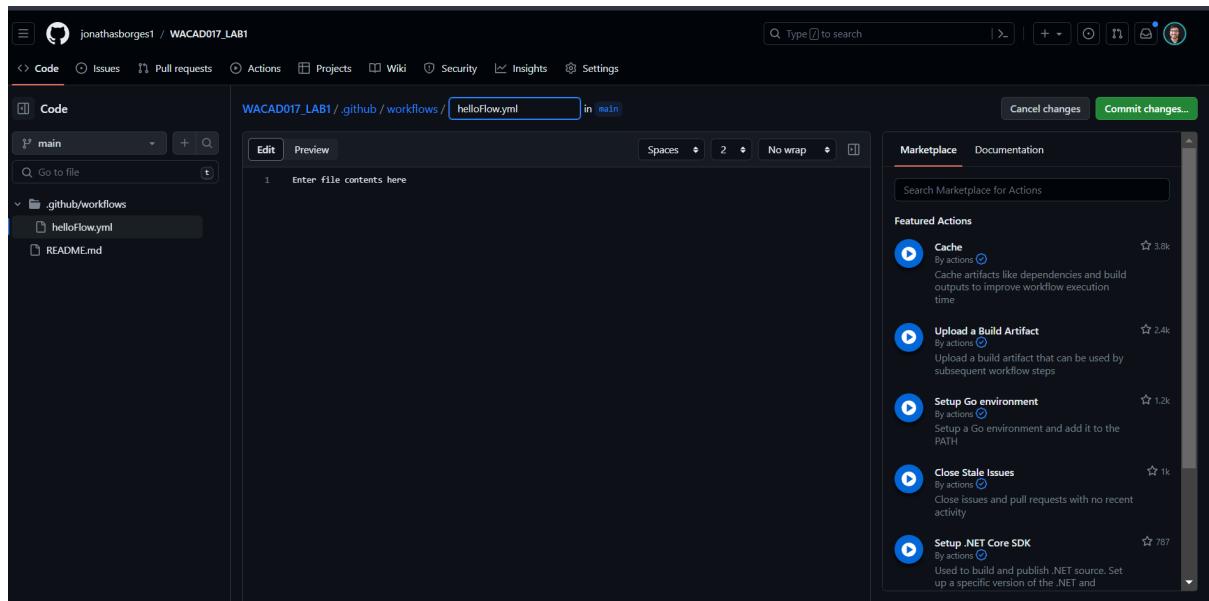
**Add .gitignore**

.gitignore template: None ▾

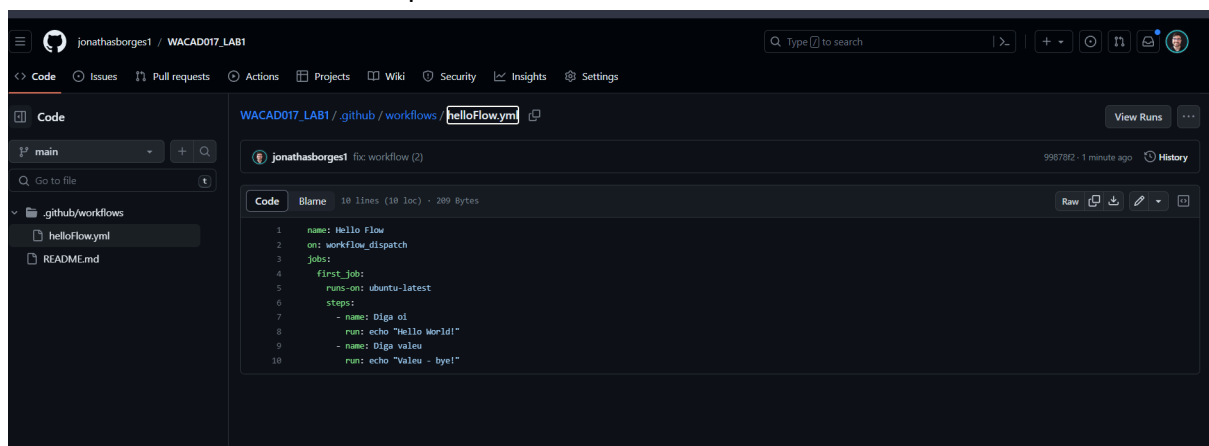
Nome do repositório: WACAD017\_LAB1

Link do repositório: [https://github.com/jonathasborges1/WACAD017\\_LAB1](https://github.com/jonathasborges1/WACAD017_LAB1)

## 2 — Renomeando o primeiro workflow para “helloFlow.yml”



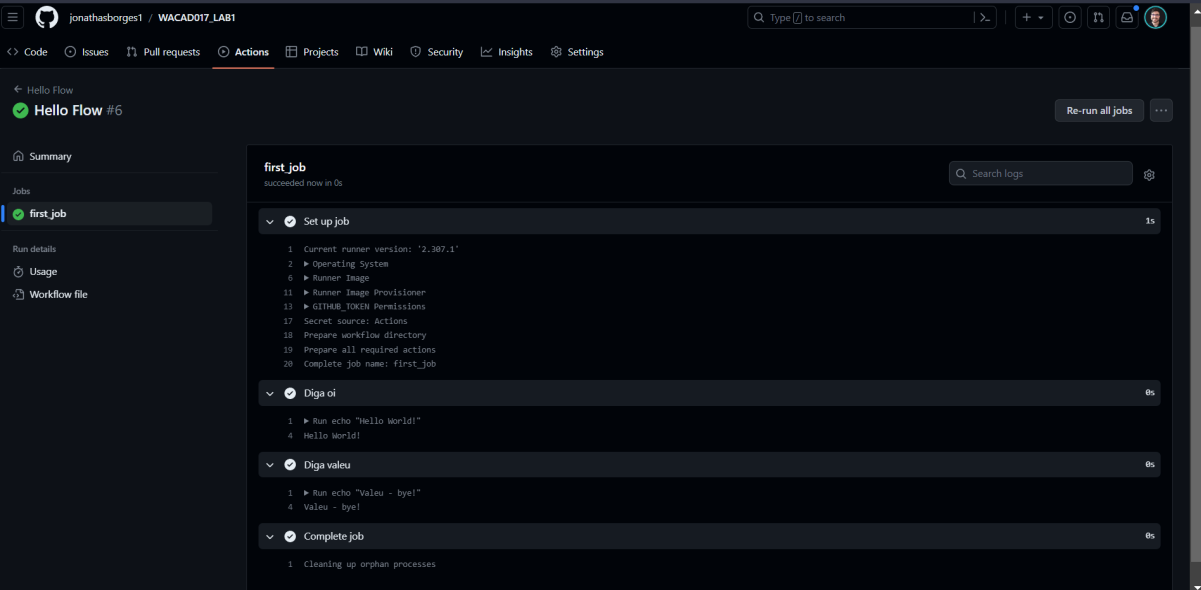
## 3 — Inserindo conteúdo ao arquivo



Código:

```
name: Hello Flow
on: workflow_dispatch
jobs:
  first_job:
    runs-on: ubuntu-latest
    steps:
      - name: Diga oi
        run: echo "Hello World!"
      - name: Diga valeu
        run: echo "Valeu - bye!"
```

#### 4 — Resultado dos logs de execução após conclusao da Action



The screenshot shows the GitHub Actions interface for a repository named 'jonathasborges1 / WACAD017\_LAB1'. The 'Actions' tab is selected, displaying the 'Hello Flow' workflow. The workflow is marked as 'succeeded' with a green checkmark. The 'first\_job' is listed as 'succeeded now in 0s'. The left sidebar shows the 'Summary' tab selected, with options for 'Jobs', 'Run details', 'Usage', and 'Workflow file'. The main area shows the 'first\_job' details, including a search bar and a list of steps: 'Set up job' (1s), 'Diga oi' (0s), 'Diga valeu' (0s), and 'Complete job' (0s). Each step is expanded to show its logs.

**first\_job**  
succeeded now in 0s

**Set up job** (1s)

- 1 Current runner version: '2.307.1'
- 2 Operating System
- 6 Runner Image
- 11 Runner Image Provisioner
- 13 GitHub\_TOKEN Permissions
- 17 Secret source: Actions
- 18 Prepare workflow directory
- 19 Prepare all required actions
- 20 Complete job name: first\_job

**Diga oi** (0s)

- 1 Run echo "Hello world!"
- 4 Hello World!

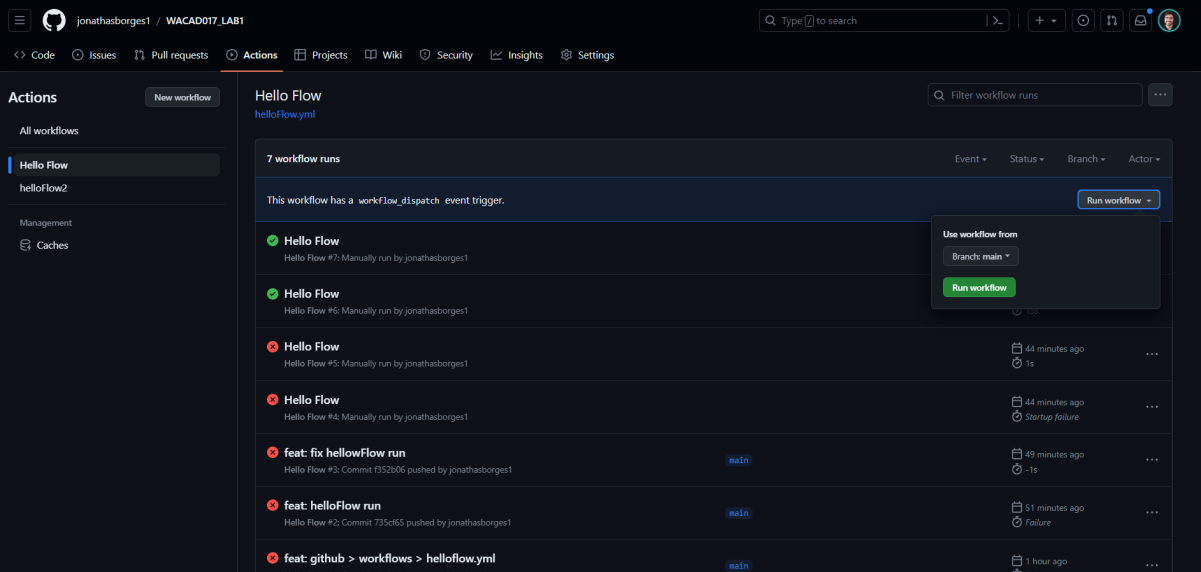
**Diga valeu** (0s)

- 1 Run echo "Valeu - bye!"
- 4 Valeu - bye!

**Complete job** (0s)

- 1 Cleaning up orphan processes

#### 5 — Resultado após todas as tentativas de execução, Obs: exibi a opção de executar manualmente



The screenshot shows the GitHub Actions interface for the 'Hello Flow' workflow. The 'Actions' tab is selected, displaying the 'Hello Flow' workflow. The workflow is marked as 'succeeded' with a green checkmark. The left sidebar shows the 'Actions' tab selected, with options for 'All workflows', 'Hello Flow', 'helloFlow2', 'Management', and 'Caches'. The main area shows the 'Hello Flow' workflow runs, including a search bar and a list of runs. A modal dialog is open, showing the 'Use workflow from' dropdown menu with 'Branch: main' selected and a 'Run workflow' button.

**Hello Flow**  
helloFlow.yml

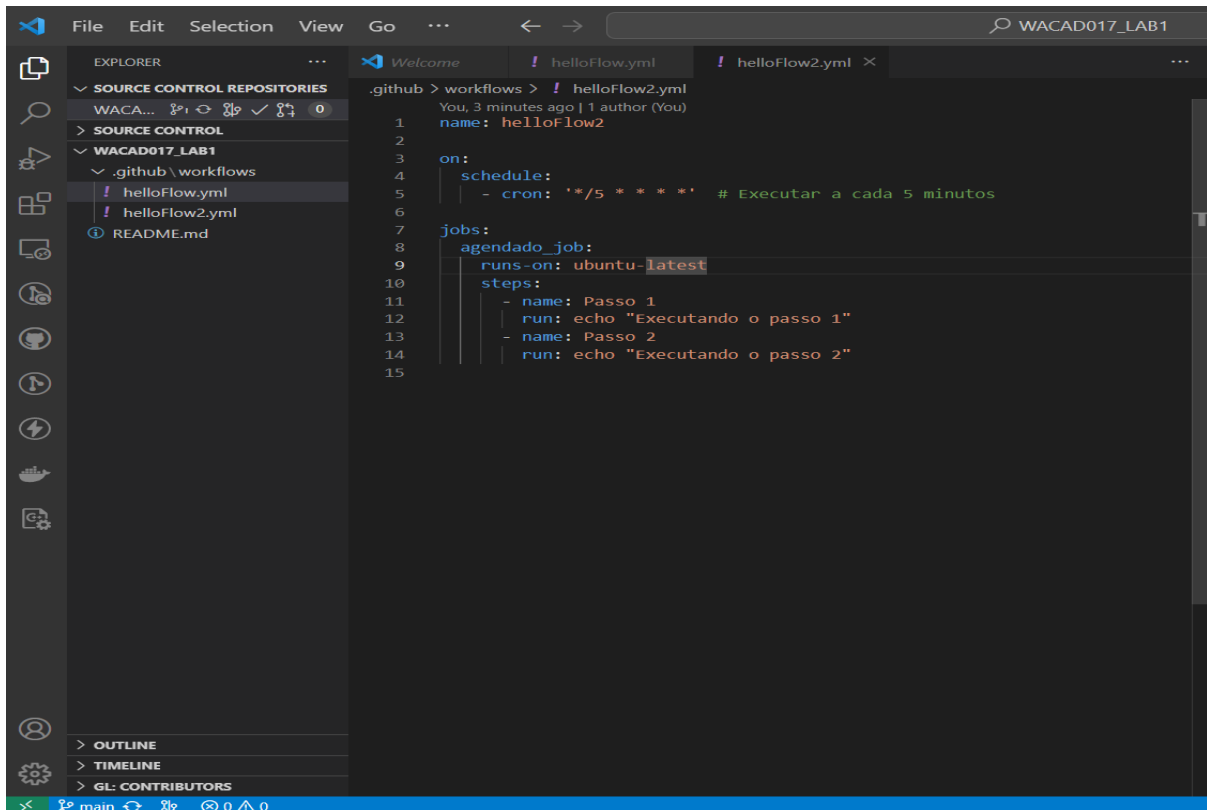
7 workflow runs

This workflow has a workflow\_dispatch event trigger. [Run workflow](#)

Run	Status	Event	Branch	Actor	Time	Details
Hello Flow #7	Succeeded	Manually run	main	jonathasborges1	44 minutes ago	...
Hello Flow #6	Succeeded	Manually run	main	jonathasborges1	44 minutes ago	...
Hello Flow #5	Failed	Manually run	main	jonathasborges1	44 minutes ago	Startup failure
Hello Flow #4	Failed	Manually run	main	jonathasborges1	49 minutes ago	...
feat: fix hellowFlow run	Failed	Commit 652b06 pushed by jonathasborges1	main	jonathasborges1	51 minutes ago	Failure
feat: helloFlow run	Failed	Commit 735c65 pushed by jonathasborges1	main	jonathasborges1	1 hour ago	Failure
feat: github > workflows > hellowflow.yml	Failed	Commit 22d0f8 pushed by jonathasborges1	main	jonathasborges1	1 hour ago	Failure

## Exercício 02 - Criando um Action de ativação programada

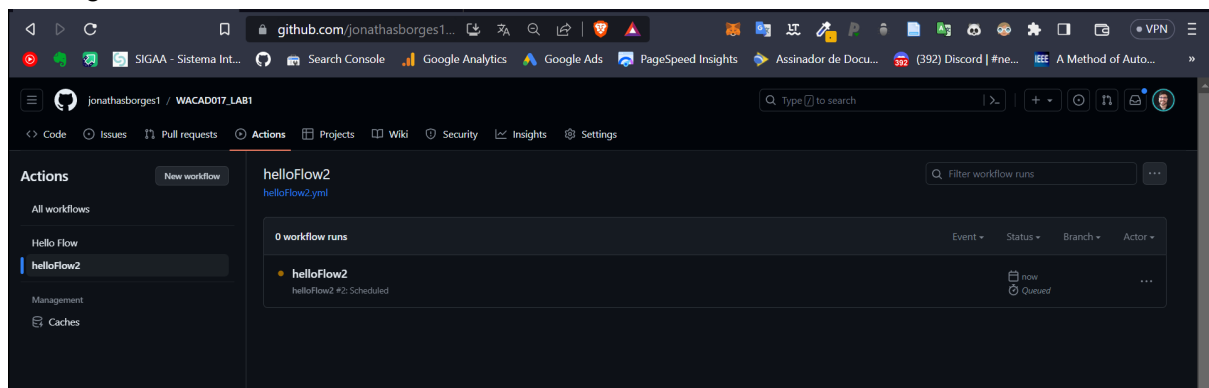
### 1 — Escrevendo uma action para executar com agendamento



The screenshot shows the Visual Studio Code editor with a file named `helloFlow2.yml` open. The file contains a GitHub Actions workflow configuration. The left sidebar shows the Explorer view with the file structure of the repository `WACAD017_LAB1`. The workflow file is located at `.github/workflows/helloFlow2.yml`.

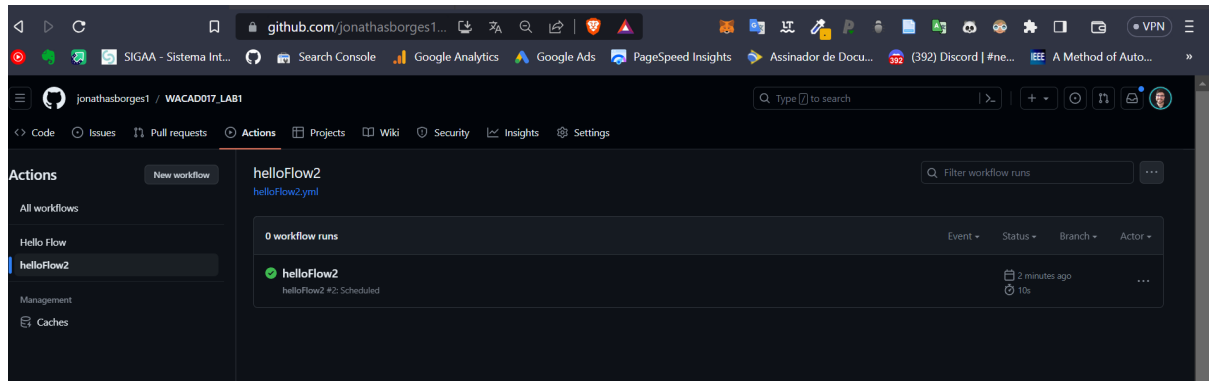
```
1 .github > workflows > ! helloFlow2.yml
2 You, 3 minutes ago | 1 author (You)
3 name: helloFlow2
4
5 on:
6   schedule:
7     - cron: '*/*5 * * * *' # Executar a cada 5 minutos
8
9 jobs:
10   agendado_job:
11     runs-on: ubuntu-latest
12     steps:
13       - name: Passo 1
14         run: echo "Executando o passo 1"
15       - name: Passo 2
16         run: echo "Executando o passo 2"
```

### 2 — Agendando uma action - status “Queued”

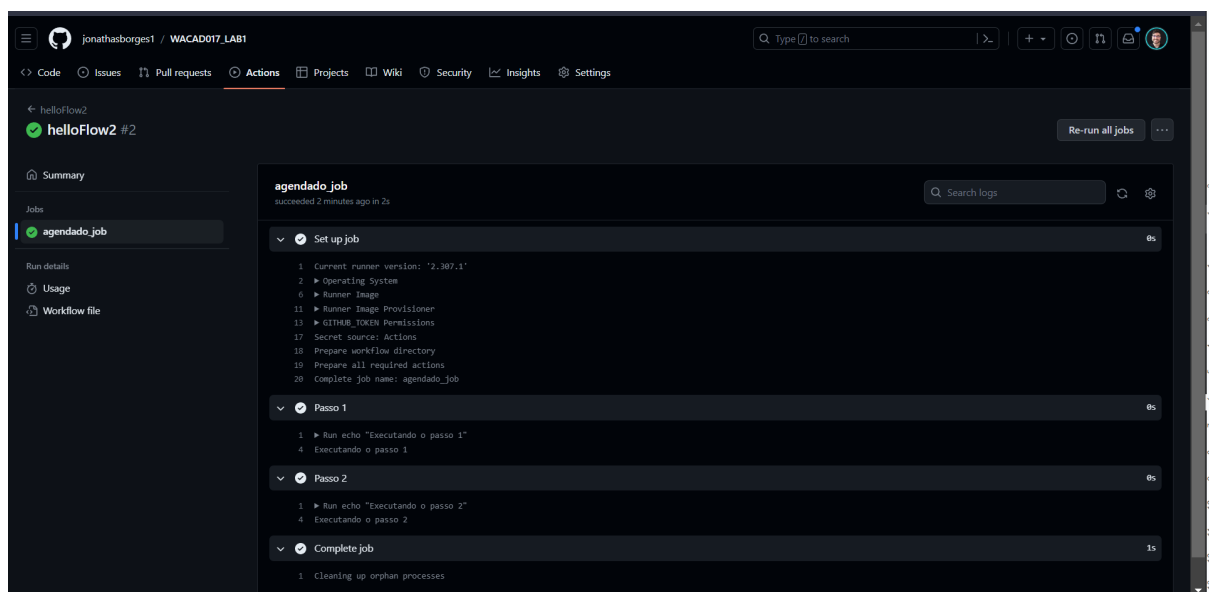


### 3 — Action Executada

Obs: **NAO** exibi a opção de executar manualmente quando se usa schedule cron



### 4 — Detalhes da Execucao

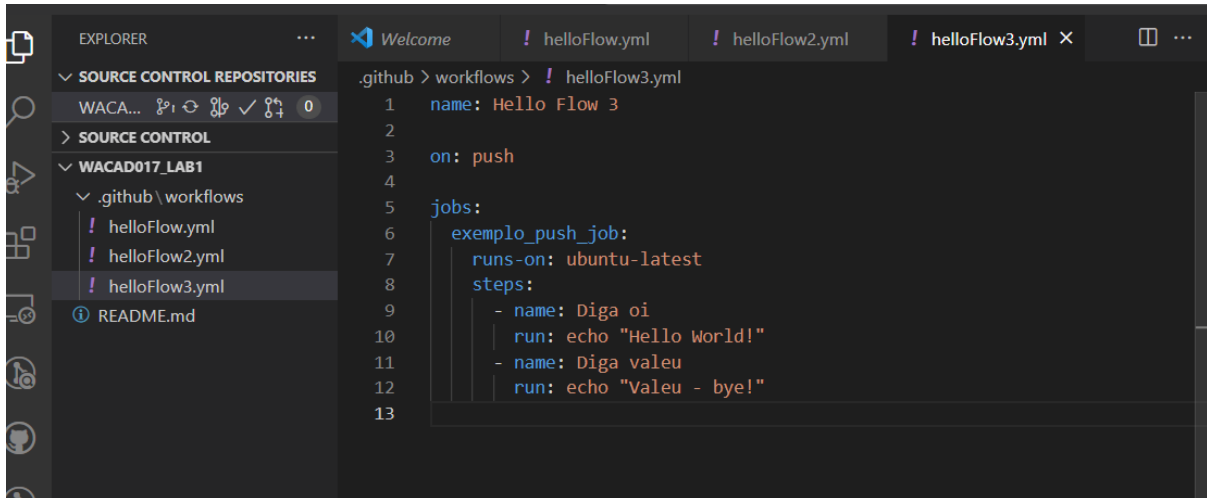


### 5 - Parabéns, você ativou um workflow para funcionar via agendamento!

<https://docs.github.com/en/actions/using-workflows/events-that-trigger-workflows#schedule>

## Exercício 03 - Criando um action de ativação por evento (um push)

### 1 — Código helloFlow3.yml

A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'WACAD017\_LAB1' with a folder '.github/workflows' containing three files: 'helloFlow.yml', 'helloFlow2.yml', and 'helloFlow3.yml'. The main editor area displays the content of 'helloFlow3.yml'. The file starts with 'name: Hello Flow 3', followed by 'on: push'. Under the 'jobs' key, there is a job named 'exemplo\_push\_job' that runs on 'ubuntu-latest'. This job contains two steps: the first step is named 'Diga oi' and runs the command 'echo "Hello World!"; the second step is named 'Diga valeu' and runs the command 'echo "Valeu - bye!"'.

```
1 name: Hello Flow 3
2
3 on: push
4
5 jobs:
6   exemplo_push_job:
7     runs-on: ubuntu-latest
8     steps:
9       - name: Diga oi
10         run: echo "Hello World!"
11       - name: Diga valeu
12         run: echo "Valeu - bye!"
13
```

name: Hello Flow 3

on: push

jobs:

  exemplo\_push\_job:

    runs-on: ubuntu-latest

    steps:

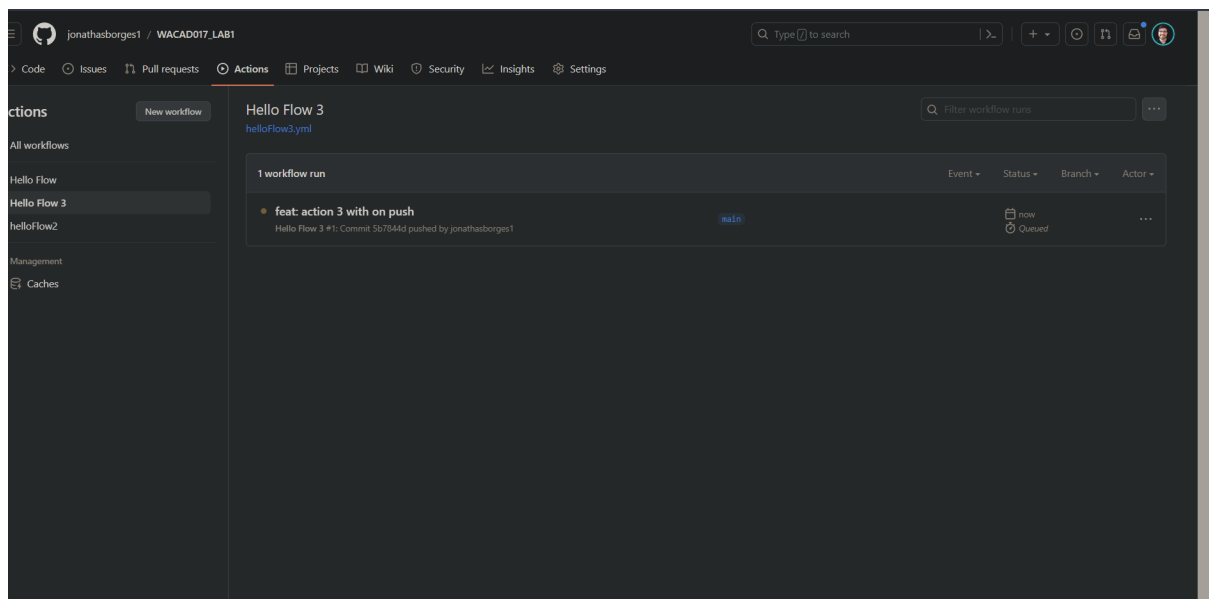
      - name: Diga oi

        run: echo "Hello World!"

      - name: Diga valeu

        run: echo "Valeu - bye!"

### 2 — Acton em Execucao



### 3 — Detalhes da Execucao

This screenshot shows the details of a GitHub Actions workflow run named 'Hello Flow 3'. The job, 'exemplo\_push\_job', has succeeded 3 minutes ago. The interface includes a sidebar with navigation links (Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings) and a summary section. The main area displays the job's steps: 'Set up job', 'Diga oi', 'Diga valeu', and 'Complete job'. Each step shows its duration and a list of logs. The 'Set up job' step logs include runner version, operating system, and environment setup. The 'Diga oi' step logs show an echo command and its output. The 'Diga valeu' step logs show another echo command and its output. The 'Complete job' step logs show the cleanup of orphan processes.

jonathasborges1 / WACAD017\_LAB1

Q Type to search

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

← Hello Flow 3

feat: action 3 with on push #1

Re-run all jobs

Summary

Jobs

exemplo\_push\_job

Run details

Usage

Workflow file

exemplo\_push\_job

succeeded 3 minutes ago in 0s

Search logs

Set up job 0s

1 Current runner version: '2.307.1'

2 Operating System

6 Runner Image

11 Runner Image Provisioner

13 GITHUB\_TOKEN Permissions

17 Secret source: Actions

18 Prepare workflow directory

19 Prepare all required actions

20 Complete job name: exemplo\_push\_job

Diga oi 0s

1 Run echo "Hello World!"

4 Hello World!

Diga valeu 0s

1 Run echo "Valeu - bye!"

4 Valeu - bye!

Complete job 0s

1 Cleaning up orphan processes

### 4 — Fluxo Finalizado

This screenshot shows the 'Actions' tab in GitHub, displaying the workflow runs for 'Hello Flow 3'. The workflow is named 'helloFlow3.yml'. A single workflow run is shown, triggered by a push event on the 'main' branch. The run status is 'succeeded' and it completed 4 minutes ago. The actor is 'jonathasborges1'. The commit message is 'feat: action 3 with on push'. The workflow run details include the event, status, branch, and actor.

jonathasborges1 / WACAD017\_LAB1

Q Type to search

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

Actions

New workflow

All workflows

Hello Flow

Hello Flow 3

helloFlow2

Management

Caches

Hello Flow 3

helloFlow3.yml

Filter workflow runs

1 workflow run

Event Status Branch Actor

feat: action 3 with on push

main

4 minutes ago

10s

jonathasborges1

feat: action 3 with on push

Hello Flow 3 #1: Commit 5b7844d pushed by jonathasborges1

**5 - Parabéns, você ativou um workflow para funcionar para qualquer **push** que for realizado no seu repositório.**