TP3 - Evidências
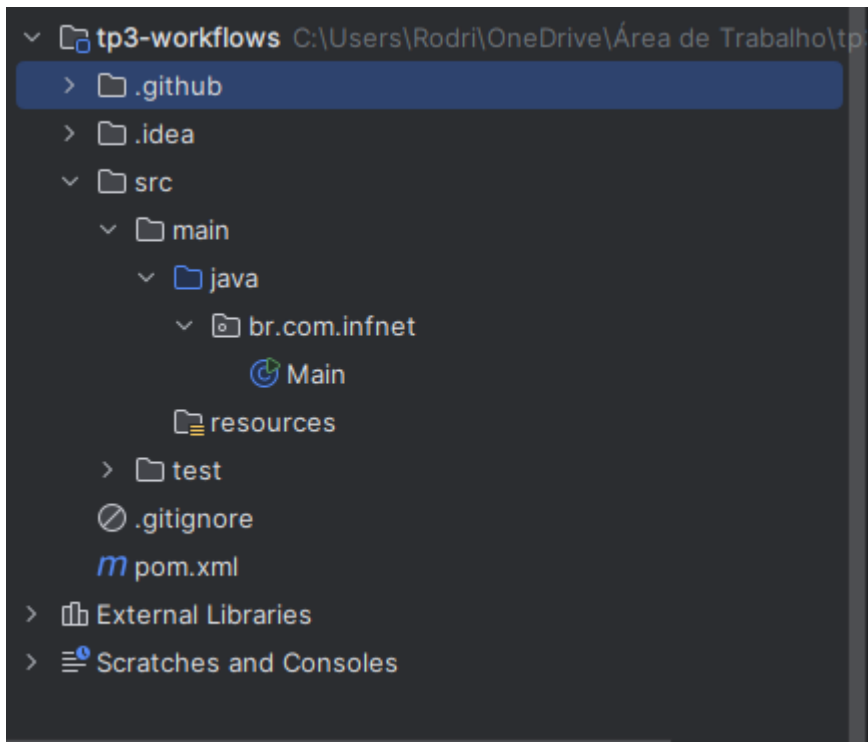
Link do repositório no github:
https://github.com/Rodrigoportes/tp3-workflows
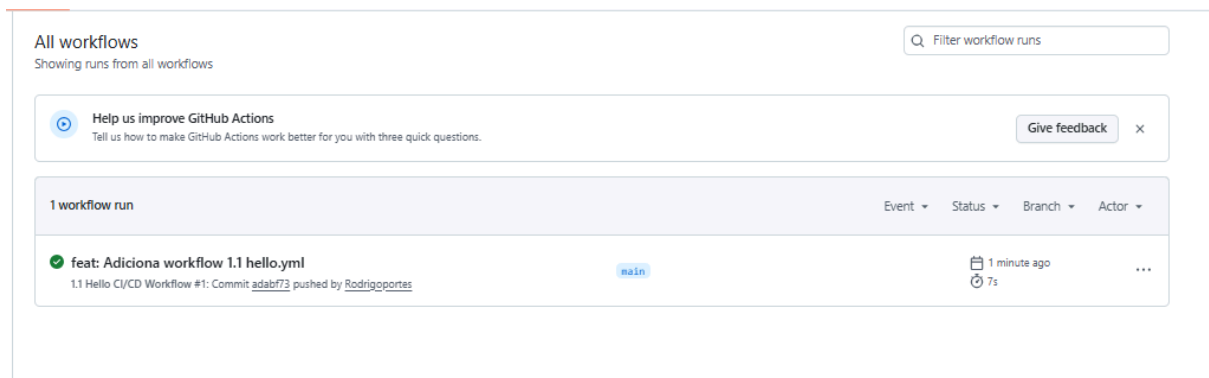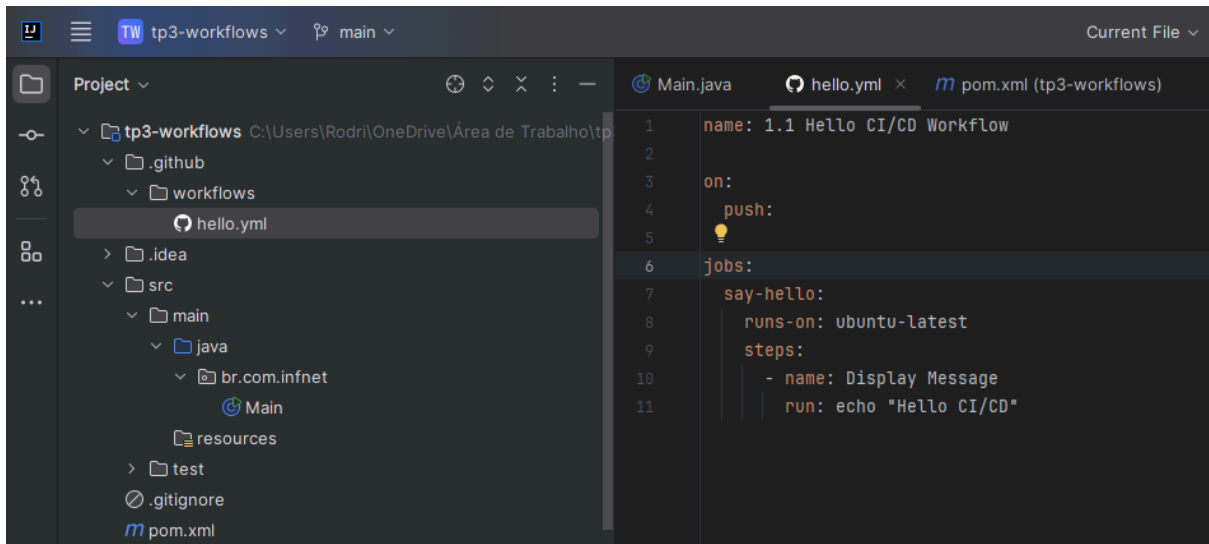
Projeto:

TODOS OS WORCKFLOWS
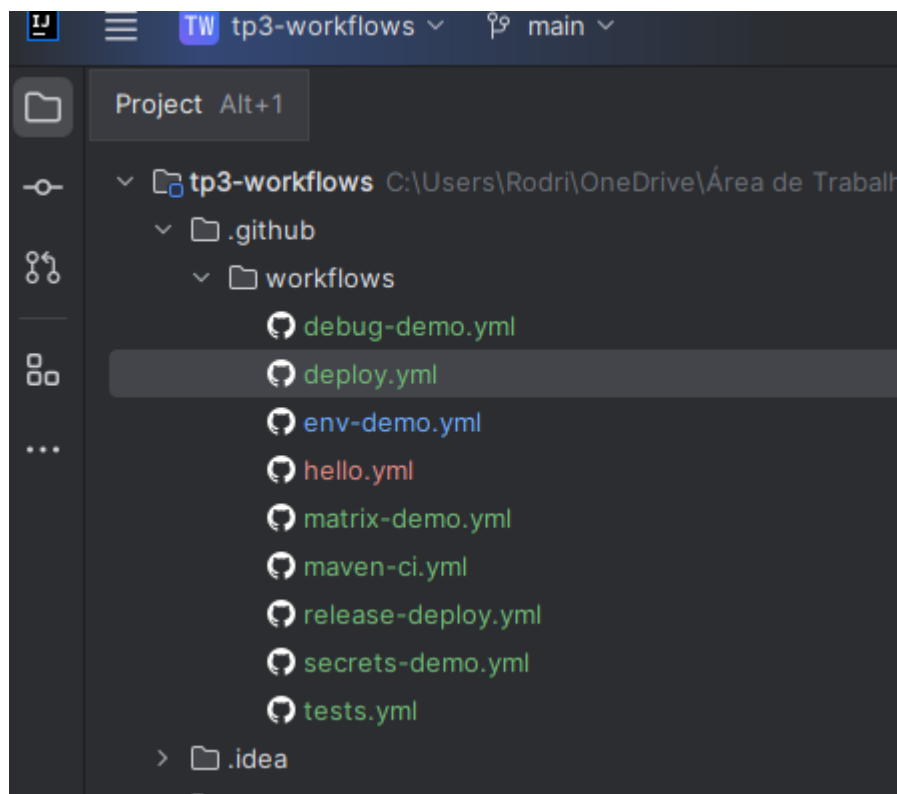
Crie no seu repositório um workflow hello.yml

```
name: 1.1 Hello CI/CD Workflow

on:
  push:

jobs:
  say-hello:
    runs-on: ubuntu-latest
    steps:
      - name: Display Message
        run: echo "Hello CI/CD"
```


All workflows
Showing runs from all workflows

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 ▾

✓ **feat: Adiciona workflow 1.1 hello.yml**   main
1.1 Hello CI/CD Workflow #1: Commit adabf73 pushed by Rodrigoportes

1 minute ago
7s

1 workflow run

✓ feat: Adiciona workflow 1.1 hello.yml   main

1.1 Hello CI/CD Workflow #1: Commit adabf73 pushed by Rodrigoportes

---

<> Code   ⊙ Issues   ⁀↑ Pull requests   ⊙ Actions   ⊞ Projects   ▭ Wiki   ⓘ Security   ⩘ Insights   ⚙ Settings

← 1.1 Hello CI/CD Workflow

✓ feat: Adiciona workflow 1.1 hello.yml #1

⌂ Summary

Jobs

✓ say-hello

Run details

⏱ Usage

⧉ Workflow file

say-hello
succeeded 2 minutes ago in 3s

› ✓ Set up job

› ✓ Display Hello CI/CD

› ✓ Complete job

Crie um workflow tests.yml que:

Seja disparado em pull_request.

github.com/Rodrigoportes/tp3-workflows/compare/feature/pr-test?expand=1

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

base: main ← compare: feature/pr-test ✓ **Able to merge.** These branches can be automatically merged.

Add a title

feat: Adiciona workflow 1.2 tests.yml

Add a description

Write | Preview   H B *I* <> 🔗 | ☰ ☰ ☷ | 📎 @ ⊡ ↩ ▱

Pull request

📖 Markdown is supported   🖼 Paste, drop, or click to add files

Create pull request ▾

ⓘ Remember, contributions to this repository should follow our GitHub Community Guidelines.

Reviewers ⚙
No reviews

Assignees ⚙
No one—assign yourself

Labels ⚙
None yet

Projects ⚙
None yet

Milestone ⚙
No milestone

Development
Use Closing keywords in the description to automatically close issues

Helpful resources
GitHub Community Guidelines

⦚ 1 commit   ⊞ 2 files changed   ⋈ 1 contributor

Rodrigoportes / tp3-workflows

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

Actions

New workflow

All workflows

1.1 Hello CI/CD Workflow
1.2 Run Tests on PR

Management

Caches
Attestations
Runners
Usage metrics
Performance metrics

All workflows
Showing runs from all workflows

Filter workflow runs

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

Give feedback

3 workflow runs

Event   Status   Branch   Actor

feat: Adiciona workflow 1.2 tests.yml
1.2 Run Tests on PR #1: Pull request #1 opened by Rodrigoportes
feature/pr-test
1 minute ago
7s

feat: Adiciona workflow 1.2 tests.yml
1.1 Hello CI/CD Workflow #2: Commit 9ac67e0 pushed by Rodrigoportes
feature/pr-test
2 minutes ago
5s

feat: Adiciona workflow 1.1 hello.yml
1.1 Hello CI/CD Workflow #1: Commit adabf73 pushed by Rodrigoportes
main
6 minutes ago
7s

Rodrigoportes / tp3-workflows

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

feat: Adiciona workflow 1.2 tests.yml #1

Edit   <> Code

Open Rodrigoportes wants to merge 1 commit into main from feature/pr-test

Conversation 0   Commits 1   Checks 1   Files changed 2

+14 −2

Rodrigoportes commented now   Owner

Pull request

feat: Adiciona workflow 1.2 tests.yml   9ac67e0

All checks have passed
2 successful checks

No conflicts with base branch
Merging can be performed automatically.

Merge pull request   You can also merge this with the command line. View command line instructions.

Reviewers
No reviews
Still in progress? Convert to draft

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Development

Triggered via pull request 2 minutes ago

Rodrigoportes opened #1 feature/pr-test

Status
Success

Total duration
7s

Artifacts
—

tests.yml
on: pull_request

✅ run-tests   4s

Google Gemini   ×   feat: Adiciona workflow 1.2 t   ×   (1) WhatsApp   ×   Como desativar o firewall do   ×   n4y4nd4

← → C   github.com/Rodrigoportes/tp3-workflows/pull/1

M Gmail   G YouTube   Maps   Traduzir   Nova guia   Histórico

feat: Adiciona workflow 1.2 tests.yml para PR #1

Merged   Rodrigoportes merged 1 commit into main from feature/pr-test   now

Conversation 0   Commits 1   Checks 2   Files changed 1

Rodrigoportes commented 14 minutes ago   Owner ···

Criando pull requeste

☺

feat: Adiciona workflow 1.2 tests.yml para PR   ✔ fac208f

Rodrigoportes merged commit 4079dc5 into main now
2 checks passed   View details   Revert

Pull request successfully merged and closed   Delete branch
You're all set — the feature/pr-test branch can be safely deleted.

Add a comment

Write   Preview   H B I ⌄ ≡ ⟨⟩ ∂ | ≔ ≔ ≔ | @ @ ⎘ ↩ ▣

Add your comment here...

Reviewers
No reviews
Still in progress? Convert

Assignees
No one—assign yourself
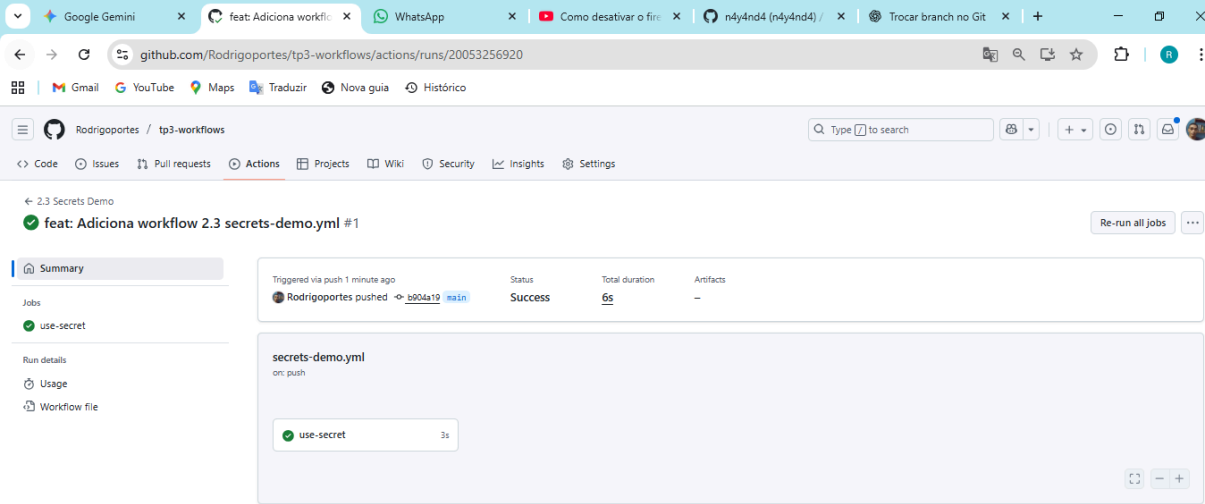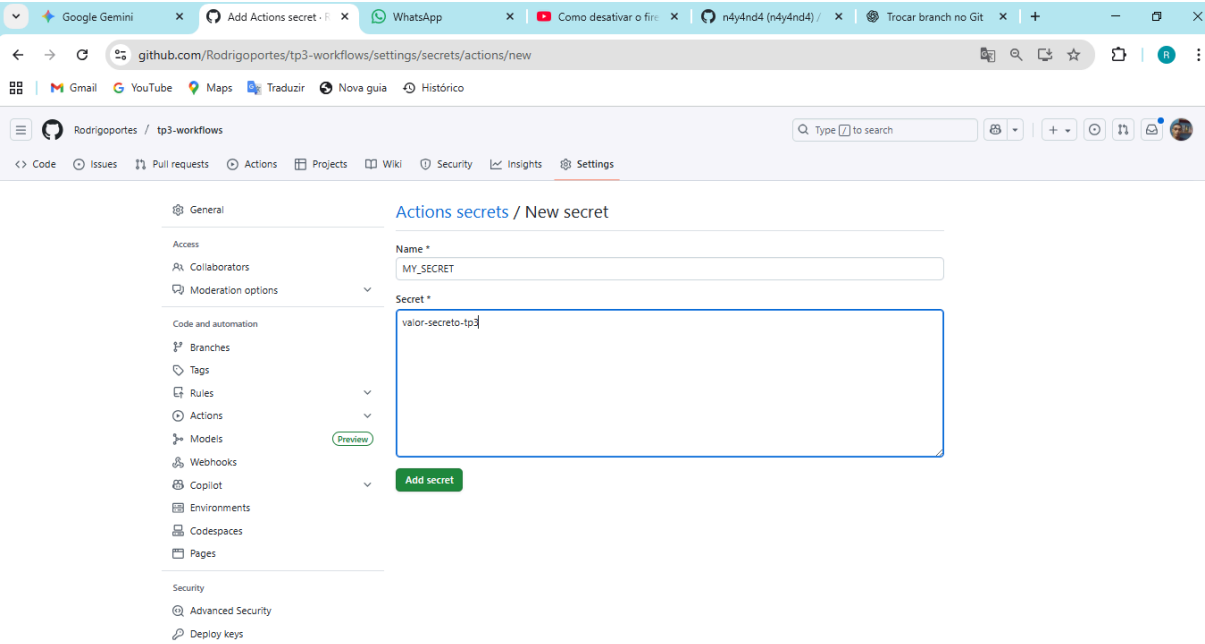
Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Successfully merging this
issues.

Crie um workflow

Event ▾ Status ▾ Branch ▾ Actor ▾

✅ **Merge pull request #1 from Rodrigoportes/feature/pr-test**
1.3 Maven CI Pipeline #1: Commit 7e61861 pushed by Rodrigoportes

`main`

📅 1 minute ago
⏱ 24s

···

✅ Merge pull request #1 from Rodrigoportes/feature/pr-test
1.1 Hello CI/CD Workflow #4: Commit 7e61861 pushed by Rodrigoportes

`main`

📅 1 minute ago
⏱ 7s

···

✅ feat: Adiciona workflow 1.2 tests.yml
1.2 Run Tests on PR #2: Pull request #1 synchronize by Rodrigoportes

`feature/pr-test`

📅 10 minutes ago
⏱ 10s

···

✅ feat: Adiciona workflow 1.3 maven-ci.yml
1.1 Hello CI/CD Workflow #3: Commit 9fb0bad pushed by Rodrigoportes

`feature/pr-test`

📅 10 minutes ago
⏱ 7s

···

---

github.com/Rodrigoportes/tp3-workflows/actions/runs/20053040131/job/57512745487

Gmail YouTube Maps Traduzir Nova guia Histórico

Rodrigoportes / tp3-workflows

<> Code ⊙ Issues ⑂ Pull requests ⊙ Actions ⊞ Projects ▢ Wiki ⊙ Security ⦢ Insights ⚙ Settings

← env-demo
✅ fix: Corrige erro de novo #4

Re-run all jobs ···

🏠 Summary

Jobs
✅ set-env

Run details
⏱ Usage
⚙ Workflow file

set-env
succeeded 3 minutes ago in 3s

🔍 Search logs ↻ ⚙

> ✅ Set up job   0s
> ✅ Display Environment Variable   0s
> ✅ Complete job   0s

Configure um secret

Rodrigoportes / tp3-workflows

Type / to search

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

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Models   Preview

Webhooks

Copilot

Environments

Codespaces

Pages

Security

Advanced Security

Deploy keys

Actions secrets / New secret

Name *

MY_SECRET

Secret *

valor-secreto-tp3

Add secret

Rodrigoportes / tp3-workflows

Type / to search

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

← 2.3 Secrets Demo

✓ **feat: Adiciona workflow 2.3 secrets-demo.yml** #1

Re-run all jobs   ···

Summary

Jobs

✓ use-secret

Run details

Usage

Workflow file

Triggered via push 1 minute ago   Status   Total duration   Artifacts

Rodrigoportes pushed ◦ b904a19 main   **Success**   6s   –

secrets-demo.yml
on: push

✓ use-secret   3s

Rodrigoportes / tp3-workflows

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

Q Type / to search

← 2.3 Secrets Demo

✓ feat: Adiciona workflow 2.3 secrets-demo.yml #1

Re-run all jobs

Summary

Jobs

✓ use-secret

Run details

Usage

Workflow file

use-secret
succeeded 3 minutes ago in 3s

Q Search logs

∨ ✓ Set up job   0s

　　1　Current runner version: '2.329.0'
　　2　▶ Runner Image Provisioner
　　7　▶ Operating System
　11　▶ Runner Image
　16　▶ GITHUB_TOKEN Permissions
　20　Secret source: Actions
　21　Prepare workflow directory
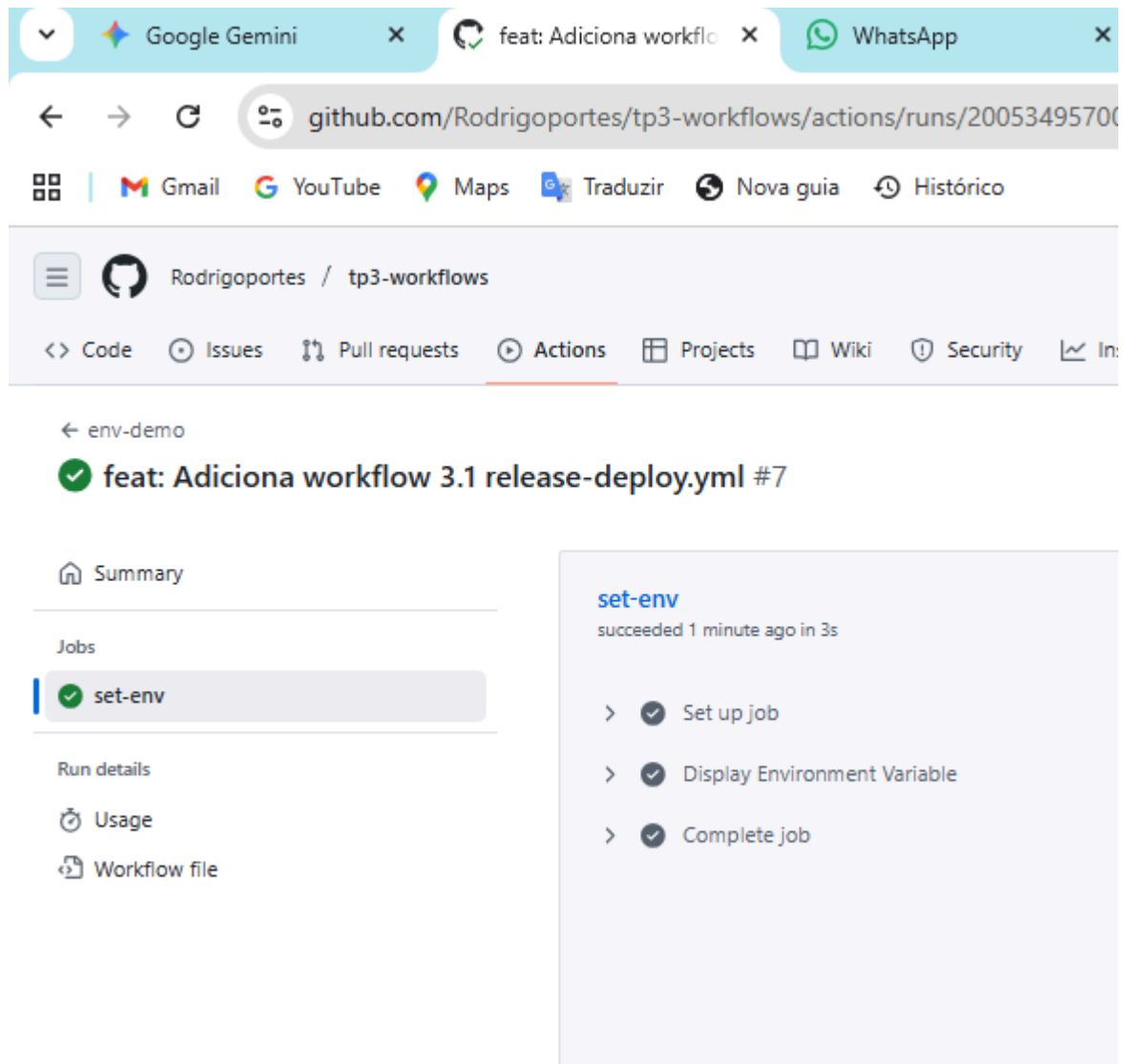　22　Prepare all required actions
　23　Complete job name: use-secret

∨ ✓ Display Secret (Mascara o valor)   0s

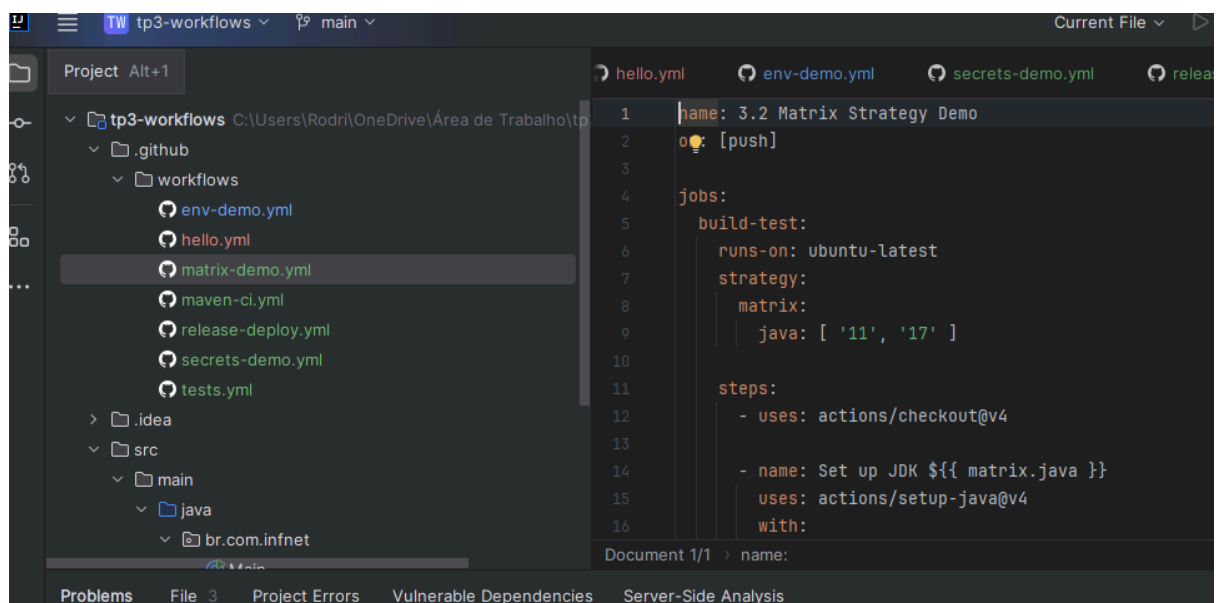　　1　▶ Run echo "Tentando usar o segredo: ***"
　　4　Tentando usar o segredo: ***

∨ ✓ Complete job   0s

　　1　Cleaning up orphan processes

use-secret
succeeded 3 minutes ago in 3s

∨ ✓ Set up job

　　1　Current runner version: '2.329.0'
　　2　▶ Runner Image Provisioner
　　7　▶ Operating System
　11　▶ Runner Image
　16　▶ GITHUB_TOKEN Permissions
　20　Secret source: Actions
　21　Prepare workflow directory
　22　Prepare all required actions
　23　Complete job name: use-secret

∨ ✓ Display Secret (Mascara o valor)

　　1　▶ Run echo "Tentando usar o segredo: ***"
　　4　Tentando usar o segredo: ***

∨ ✓ Complete job

　　1　Cleaning up orphan processes

3.1: Release Deploy Workflow

github.com/Rodrigoportes/tp3-workflows/releases/new

Rodrigoportes / tp3-workflows

<> Code ⊙ Issues ⑂ Pull requests ⊙ Actions ▦ Projects ▢ Wiki ⛨ Security ⤳ Insights ⚙ Settings

← Releases

New release

⬙ Tag: v1.0.0 ▾   ⑂ Target: main ▾

Excellent! This tag will be created from the target when you publish this release.

Release title

Novo realise

Release notes

⬙ Previous tag: Auto ▾   Generate release notes

| Write | Preview | H B I ≣ <> 𝒫   ≣ ≣ ☑ 📎 @ |

Describe this realise

---

github.com/Rodrigoportes/tp3-workflows/releases/tag/v1.0.0

Rodrigoportes / tp3-workflows   Q Type / to search

<> Code ⊙ Issues ⑂ Pull requests ⊙ Actions ▦ Projects ▢ Wiki ⛨ Security ⤳ Insights ⚙ Settings

Releases / v1.0.0

Novo realise (Latest)   Compare ▾

👤 Rodrigoportes released this now   ⬙ v1.0.0   ⌀ 4379f13

Describe this realise

▾ Assets 2

| 📄 Source code (zip) | 5 minu |
| 📄 Source code (tar.gz) | 5 minu |

☺

Configurar Matrix Strategy

Teste de Performance - TP3 [Obrigatório]

Olá Rodrigo,

Chegamos em uma das etapas de preparação! A cada Teste de Performance (TP) você terá a oportunidade de praticar os conhecimentos adquiridos e receber feedbacks relevantes para o seu aprendizado.

Uso de IAs: Sinal Vermelho 🔴

Todas as partes deste trabalho devem ser da autoria do aluno. Qualquer uso de ferramentas generativas de IA, como ChatGPT, é proibido. O uso de IA generativa será considerado má conduta acadêmica e estará sujeito à aplicação do código disciplinar, pois as tarefas deste trabalho foram elaboradas para desafiar o aluno a desenvolver conhecimentos de base, pensamento crítico e habilidades de resolução de problemas. O uso da tecnologia de IA limitaria sua capacidade de desenvolver essas competências e de atingir os objetivos de aprendizagem desta disciplina.

Parte 1 Workflows Básicos no GitHub Actions

1. Crie no seu repositório um workflow hello.yml que:

   - Rode em qualquer push.

   - Exiba "Hello CI/CD" no log.

   - Documente no PDF com print e link da execução.

2. Crie um workflow tests.yml que:

   - Seja disparado em pull_request.

   - Use actions/checkout.

   - Execute echo "Rodando testes".

   - Documente no PDF com print e link da execução.

3. Crie um workflow gradle-ci.yml que:

   - Rode em push para a branch main.

   - Use runs-on: ubuntu-latest.

   - Execute ./gradlew build ou simular do maven.

   - Documente no PDF com prints e link do log de execução.

Parte 2 Runners, Variáveis e Segurança

1. Crie um workflow env-demo.yml que utilize uma variável de ambiente DEPLOY_ENV=staging e exiba no log.

   - Documente com print e link da execução.

2. Configure um secret no repositório chamado API_KEY e crie um workflow secret-demo.yml que mostre no log a mensagem API_KEY configurado (sem expor o valor real).
   - Documente com print e link da execução.
3. Explique no PDF a diferença entre runners hospedados pelo GitHub e auto-hospedados, citando vantagens e desvantagens.

Parte 3 Deploys e Estratégias

1. Crie um workflow release-deploy.yml que:
   - Seja disparado em release published.
   - Execute echo "Deploy realizado com sucesso".
   - Documente no PDF com print e link da execução.
2. Configure um workflow com matrix strategy para rodar em duas versões do Java (11 e 17), exibindo a versão ativa no log.
   - Documente no PDF com prints e link da execução.
3. Explique no PDF a diferença entre as estratégias de deploy Blue-Green e Rolling Update, e dê exemplos de cenários onde cada uma é mais adequada.

Parte 4 Monitoramento e Logs

1. Adicione um badge de status no README.md do repositório apontando para um dos workflows criados.
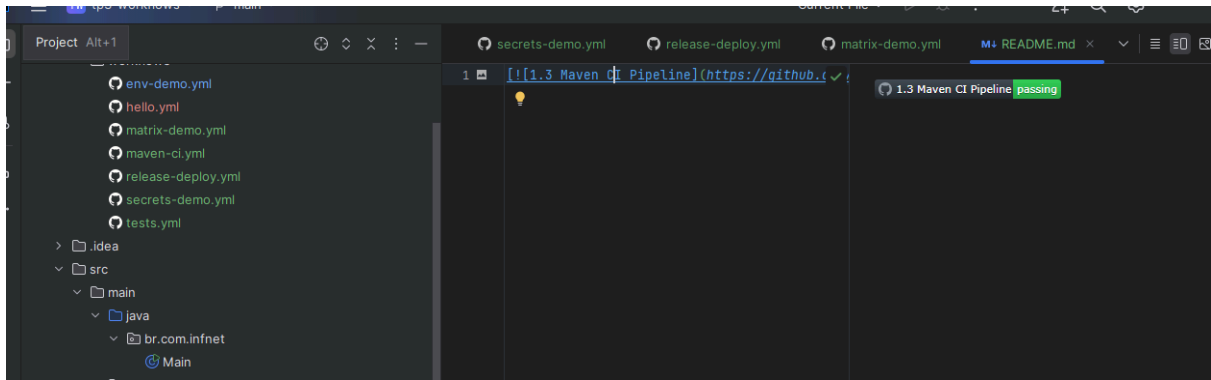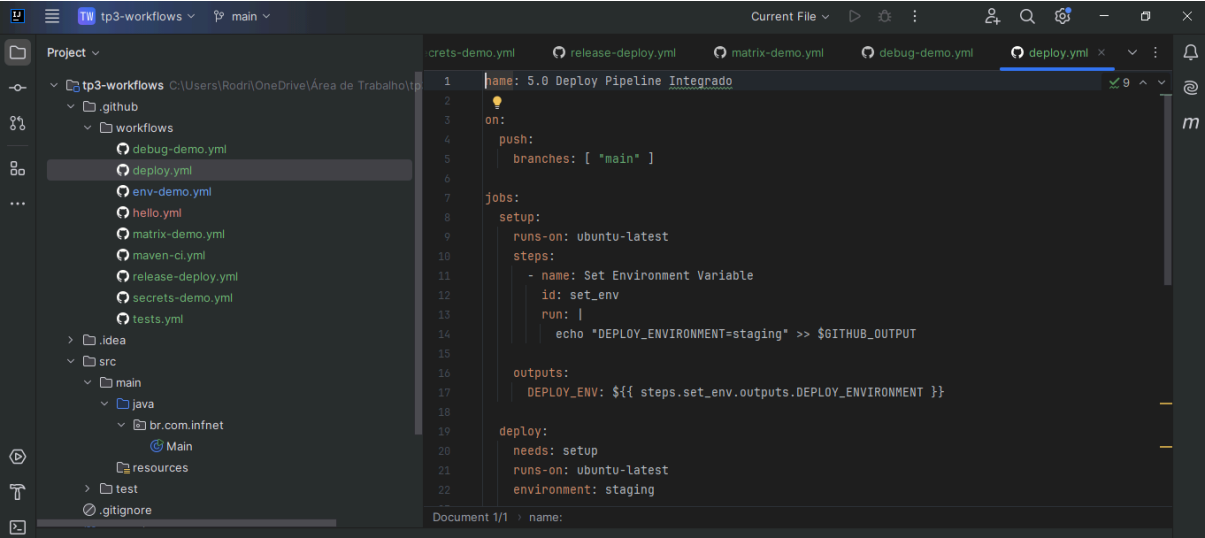
Ativar Logs de Debug (Log Adicional)
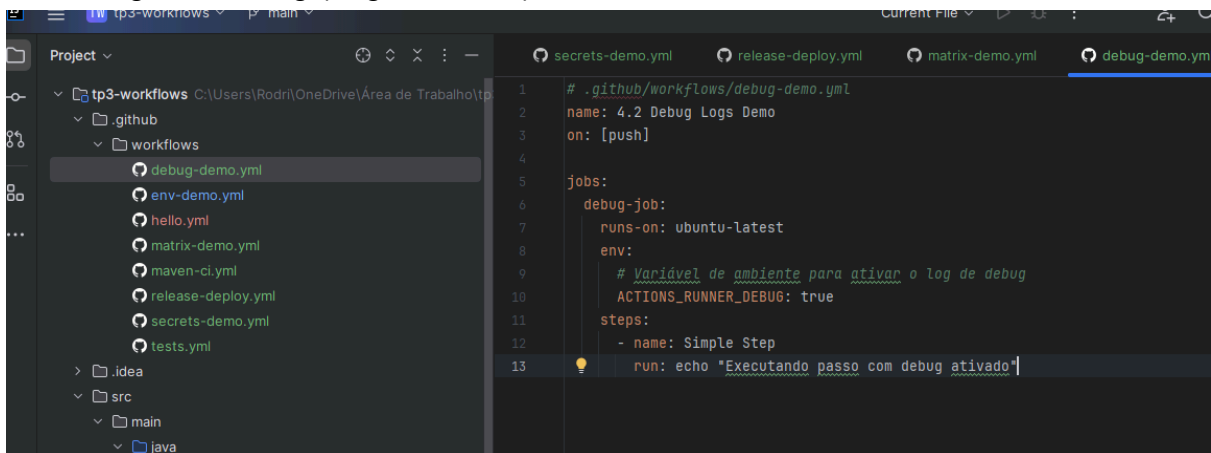
Explique no PDF como mascarar dados sensíveis nos logs do GitHub Actions.

Para manter as informações sensíveis protegidas nos logs do GitHub Actions, usamos os **GitHub Secrets**, que ocultam automaticamente dados como senhas e tokens. Quando precisamos esconder algum valor que é criado durante a execução do workflow, utilizamos o comando `::add-mask::`, que faz com que esse valor apareça mascarado. Além disso, é importante evitar imprimir diretamente qualquer dado confidencial nos logs, garantindo mais segurança no processo.

Crie um workflow deploy.yml completo que:

deploy.yml

```yaml
name: 5.0 Deploy Pipeline Integrado

on:
  push:
    branches: [ "main" ]

jobs:
  setup:
    runs-on: ubuntu-latest
    steps:
      - name: Set Environment Variable
        id: set_env
        run: |
          echo "DEPLOY_ENVIRONMENT=staging" >> $GITHUB_OUTPUT

    outputs:
      DEPLOY_ENV: ${{ steps.set_env.outputs.DEPLOY_ENVIRONMENT }}

  deploy:
    needs: setup
    runs-on: ubuntu-latest
    environment: staging
```

Document 1/1 > name:

✓ feat: Adiciona workflow 5.0 deploy.yml integrado
env-demo #11: Commit 57b2998 pushed by Rodrigoportes
main
now
6s
...

✓ feat: Adiciona workflow 5.0 deploy.yml integrado
2.3 Secrets Demo #7: Commit 57b2998 pushed by Rodrigoportes
main
now
5s
...

✓ feat: Adiciona workflow 5.0 deploy.yml integrado
3.2 Matrix Strategy Demo #4: Commit 57b2998 pushed by Rodrigoportes
main
now
11s
...

✓ feat: Adiciona workflow 5.0 deploy.yml integrado
1.3 Maven CI Pipeline #11: Commit 57b2998 pushed by Rodrigoportes
main
now
14s
...

✓ feat: Adiciona workflow 5.0 deploy.yml integrado
1.1 Hello CI/CD Workflow #15: Commit 57b2998 pushed by Rodrigoportes
main
now
8s
...