

Pipelines de CI/CD e DevOps

Assessment [Obrigatório]

Link do projeto no github:

Etapa 1 Dockerização do seu projeto

Seu projeto deve estar dockerizado. Com o Dockerfile junto ao projeto.

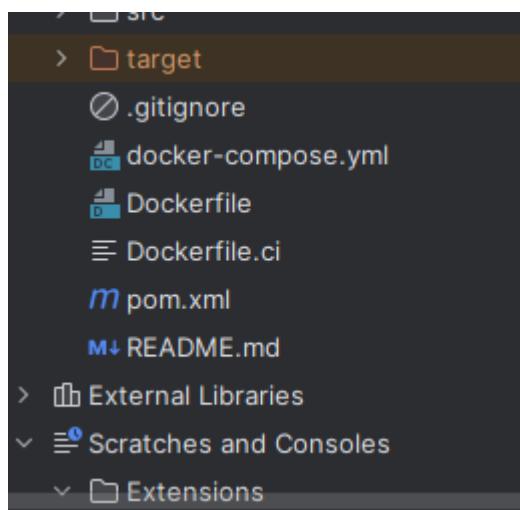


Imagen publicada no Dockerhub.

<input type="checkbox"/>	●	devcalc-api	1.0.0	4646fbe173ec	3 days ago	263.62 MB				
<input type="checkbox"/>	●	rodrigopotes/devcalc-api	latest	4646fbe173ec	3 days ago	263.62 MB				

Print do seu projeto rodando dentro de um container.

The screenshot shows the Docker Desktop interface. On the left, a sidebar lists various features like Ask Gordon, Images, Volumes, Kubernetes, Builds, Models, MCP Toolkit, Docker Hub, Docker Scout, and Extensions. The 'Containers' tab is selected. In the main area, there's a summary of CPU usage (5.68% / 400%) and memory usage (35.45MB / 7.43GB). Below this is a table of running containers:

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
○	devcalc_teste	1e8bb24e8d7c	busybox:lat		0%	3 minutes ago	▷ ⚡ 🗑️
●	devcalc_post	e29d490715fa	postgres:11		5.11%	3 minutes ago	▣ ⚡ 🗑️
●	devcalc_redis	882ea2b9a561	redis:7-alpine		0.56%	3 minutes ago	▣ ⚡ 🗑️
○	devcalc_ani	7a0Rfna79n3n	redis:7.0.0	7000:7000	0%	3 minutes ago	▷ ⚡ 🗑️

Below the table, there's a 'Walkthroughs' section with two cards: 'Multi-container applications' (8 mins) and 'Containerize your application' (3 mins). At the bottom, a status bar shows 'Engine running' with resource usage: RAM 2.70 GB, CPU 0.25%, Disk: 2.91 GB used (limit 1006.85 GB).

Etapa 2 Projeto rodando dentro do K8s

Deve ter um Deployment com pelo menos 2 réplicas.

```
C:\Users\Rodri\OneDrive\Área de Trabalho\cmd\tp2-kubernetes
λ kubectl get deploy devcalc-api-deployment -n tp2
NAME                  READY   UP-TO-DATE   AVAILABLE   AGE
devcalc-api-deployment   3/3      3           3          20m
```

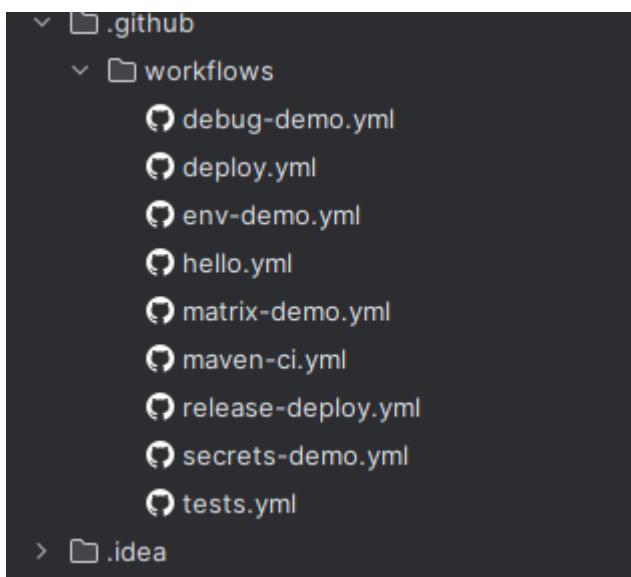
Deve ter pelo menos um service.

```
C:\Users\Rodri\OneDrive\Área de Trabalho\cmd\tp2-kubernetes
λ kubectl get nodes -o wide
NAME           STATUS    ROLES   AGE   VERSION   INTERNAL-IP   EXTERNAL-IP   OS-IMAGE
S-IMAGE        KERNEL-VERSION   CONTAINER-RUNTIME
docker-desktop   Ready    control-plane   23h   v1.34.1   192.168.65.3   <none>       Docker Desktop 6.6.87.2-microsoft-standard-WSL2   docker://28.5.1

C:\Users\Rodri\OneDrive\Área de Trabalho\cmd\tp2-kubernetes
```

Etapa 3 Workflow

Seu projeto deve ter pelo menos um Workflow no Github actions.



Seguindo as especificações do TP3.

The screenshot shows the GitHub Actions interface. On the left, a sidebar lists various workflow categories: 'All workflows' (selected), 'Management' (which includes 'Caches', 'Attestations', 'Runners', 'Usage metrics', and 'Performance metrics'). On the right, the main area displays 'Showing runs from all workflows'. It features a 'Help us improve GitHub Actions' section with a button to 'Tell us how to make GitHub Actions work better for you with three quick questions'. Below this, it shows '54 workflow runs' and a list of recent runs, each with a green checkmark and the status 'main'. The runs are: 'feat: Adiciona workflow 5.0 deploy.yml integrado' (env-demo #11: Commit 57b2998 pushed by Rodrigoportes), 'feat: Adiciona workflow 5.0 deploy.yml integrado' (3.2 Secrets Demo #7: Commit 57b2998 pushed by Rodrigoportes), 'feat: Adiciona workflow 5.0 deploy.yml integrado' (3.2 Matrix Strategy Demo #4: Commit 57b2998 pushed by Rodrigoportes), 'feat: Adiciona workflow 5.0 deploy.yml integrado' (1.3 Maven CI Pipeline #11: Commit 57b2998 pushed by Rodrigoportes), 'feat: Adiciona workflow 5.0 deploy.yml integrado' (1.1 Hello CI/CD Workflow #15: Commit 57b2998 pushed by Rodrigoportes), and 'feat: Adiciona workflow 5.0 deploy.yml integrado' (4.2 Debug Logs Demo #2: Commit 57b2998 pushed by Rodrigoportes).

