DEVOPS

Github Actions 101

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Présentation de Github Actions

- Créé en 2018 par Github
- Outil de CI/CD

GitHub Actions is a continuous integration and continuous delivery (CI/CD) platform that allows you to automate your build, test, and deployment pipeline. You can create workflows that build and test every pull request to your repository, or deploy merged pull requests to production.



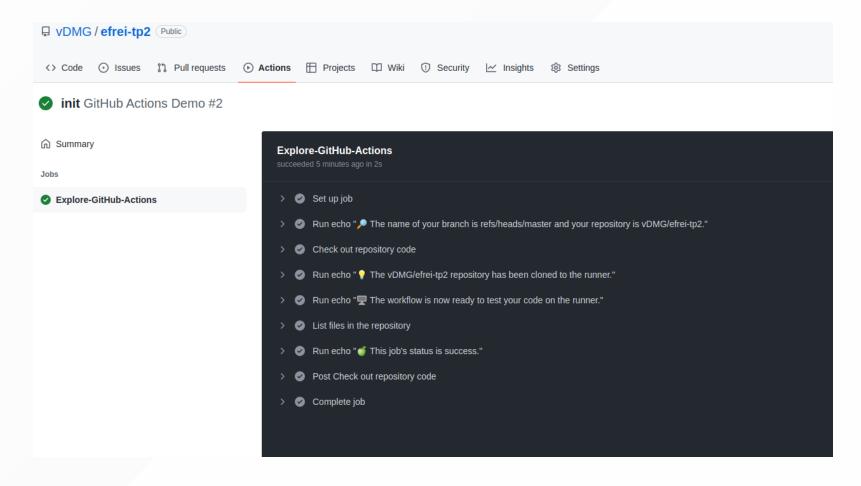
Introduction

```
name: GitHub Actions Demo
on: [push]
jobs:
  Explore-GitHub-Actions:
    runs-on: ubuntu-latest
    steps:
      - run: echo "🔎 The name of your branch is ${{ github.ref }} and your repository is ${{ github.repository }}."
      - name: Check out repository code
        uses: actions/checkout@v3
      - run: echo " P The ${{ github.repository }} repository has been cloned to the runner."
      - run: echo "🖳 The workflow is now ready to test your code on the runner."
      - name: List files in the repository
        run:
         ls ${{ github.workspace }}
      - run: echo " This job's status is ${{ job.status }}."
```

https://github.com/marketplace?type=actions

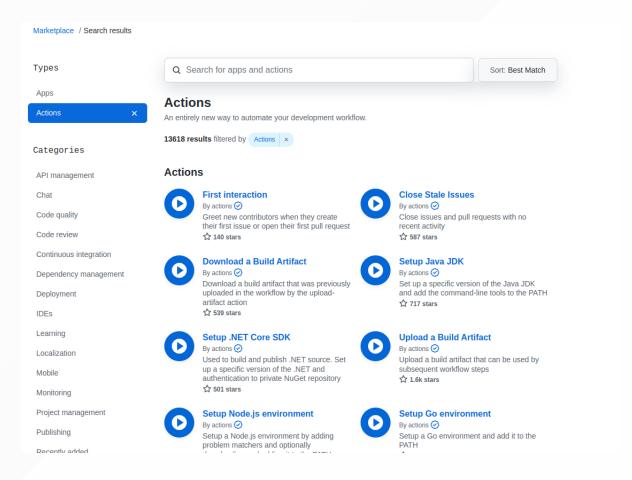
Création d'un premier workflow

https://github.com/vDMG/efrei-tp2



Github Actions marketplace

https://github.com/marketplace?type=actions



Github Secrets

GitHub Secrets are encrypted and allow you to store sensitive information, such as access tokens, in your repository.

You could use GitHub secrets to store your Azure Credentials, container registry credentials or any such sensitive details which are required to automate your CI/CD workflows using GitHub Actions.