Informaticon

Build a PowerBuilder project using GitHub Actions

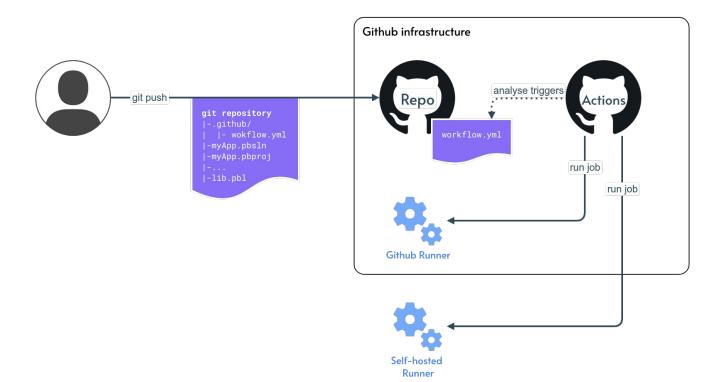
Who works with a build pipeline?

Who uses Github Actions?

Overview

- Introduction
- GitHub Actions workflow file
 - Structure
 - Demo
- Further topics
 - Automatic versioning
 - Self-hosted runners
 - Informaticon build-pipeline

Introduction to GitHub Actions



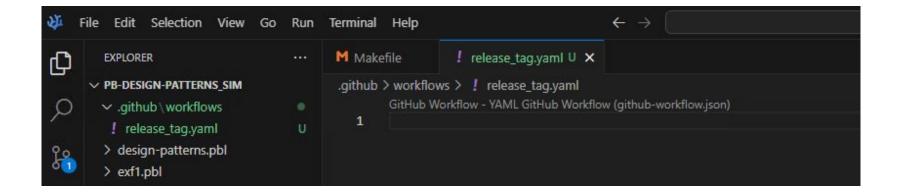
! workflow.yml ×

home > simon > Downloads > ! workflow.yml > ...

name: GitHub and Choco release

Introduction to GitHub Actions

Create a workflow file



Define WHEN

- On push of tags
- On bush on certain branches
- ...

Define WHERE / WHAT

- Define one or more jobs
- Operating systems:
 - Windows
 - o Ubuntu
 - MacOS

```
7 jobs:
8 build:
9 runs-on: windows-latest
```

Define HOW

- Define one or more steps
- Use existing actions as steps
- Write you own commands

```
steps:
- name: Checkout repo
uses: actions/checkout@v4
with:
- path: repo
- name: Do some magic
run: echo "Hello World"
```

Let's do it!

Autorelease

Automatically create a new release on push

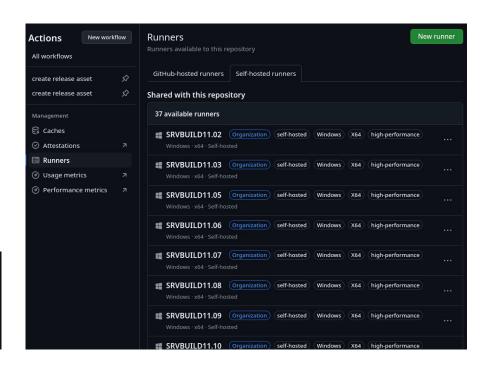
commit message	created tag
fix: avoid bug xy	v1.0.1
feat: add nice feature	v1.1.0
refactor: remove functionality xy some description BREAKING CHANGE: remove xy	v2.0.0

Further topics

Self-hosted runners

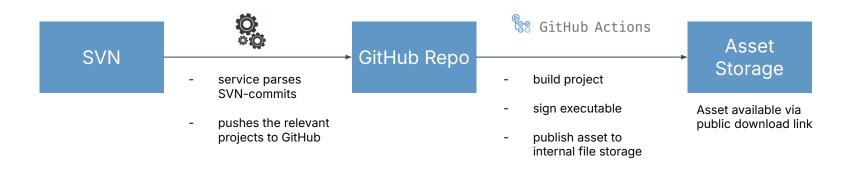
- Very easy to setup
- Allows you to pre-install tools
- Can access non-public ressources
- Not suited for public repositories

```
jobs:
createbuild:
runs-on: [self-hosted, high-performance]
steps:
- name: Check out repo
```



Further topics

Informaticon Build Pipeline



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Thank you

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Further topics - build-pipeline:

