

CI/CD with GitHub Actions



Chris Ayers

Senior Customer Engineer Microsoft

- Mastodon: <https://mastodon.online/@cayers>
- Twitter: @Chris_L_Ayers
- LinkedIn: - [chris-l-ayers](#)
- Blog: <https://chris-ayers.com/>
- GitHub: [Codebytes](#)



Agenda

- YAML
- CI / CD
- Actions Overview
- Demos

YAML

Yet Another Markup Language

GitHub uses YAML for workflows

Feature	Description
Lists	Start with a –
Key-Value	Key: value
Objects	Objects: Properties of objects

What is CI/CD?

Continuous Integration



Continuous Delivery



Continuous Deployment

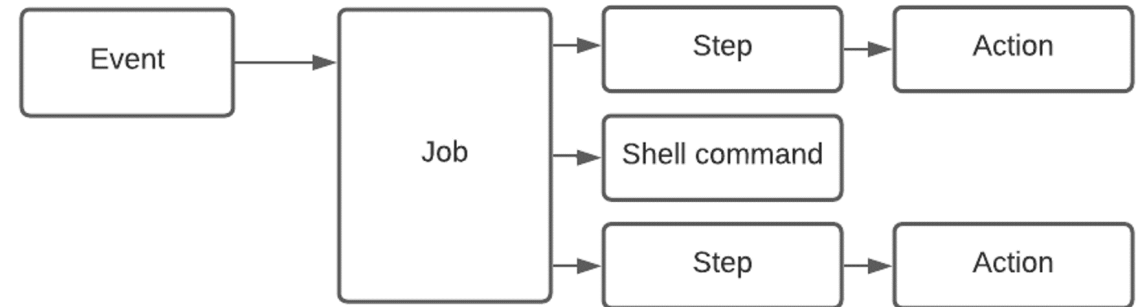


Actions Overview

- Actions are Event Driven
- Live in the `.github/workflows` folder
- Workflows are defined in YAML

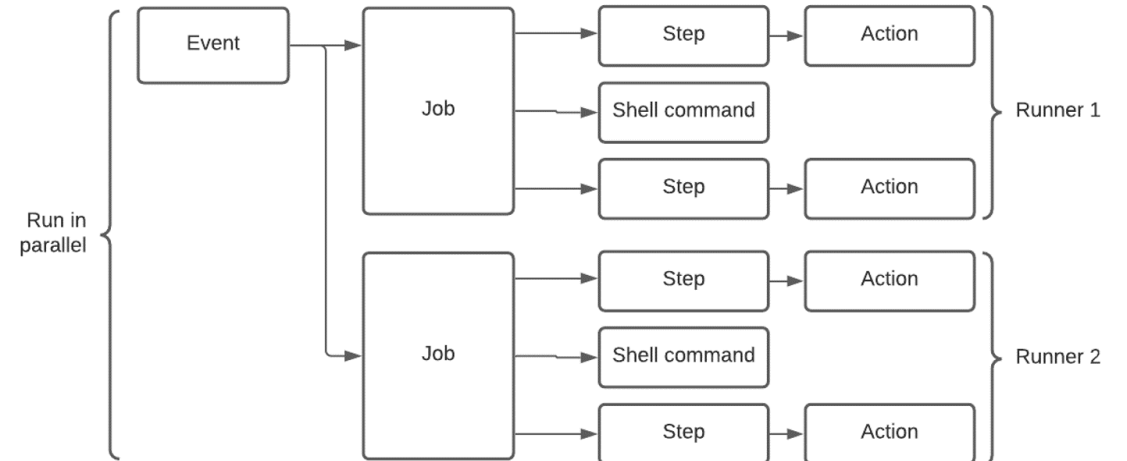
Workflows

- Events trigger workflows
- Workflows contain jobs
- Jobs contain steps
- Steps are commands or actions



Jobs

- Workflows can contain multiple jobs
- Each job runs on a Runner





DEMOS

Questions



Resources

Links

- https://docs.microsoft.com/en-us/users/chrisayers/collections/ykr4sj3rzmnkqz?WT.mc_id=learnlive-20220629B
- <https://skills.github.com>

Chris Ayers

- Twitter: @Chris_L_Ayers
- LinkedIn: - [chris-l-ayers](#)
- Blog: <https://chrislayers.com/>
- GitHub: [Codebytes](#)