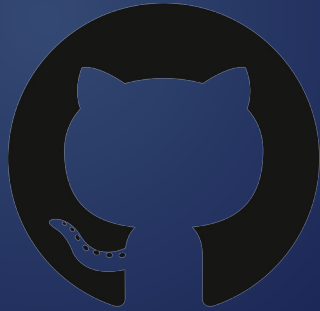


GitHub Actions Series 101

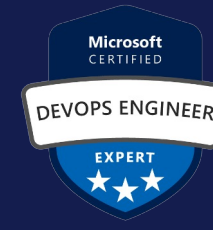


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Agenda

- What is GitHub Actions?
- How GitHub Actions Work?
- Create First Workflow
- Q&A



What is GitHub Actions?

- Automated workflows for CI/CD
- Free 2000 CI/CD mins/month for private repos
- Unlimited CI/CD for public repos
- Marketplace - Click
- API Click
- Agent Runners (GitHub-hosted, Self-hosted)



How GitHub Actions Work?

- Workflows (YML)

- > Events

- An event is a specific activity in repos that triggers a workflow

- > Jobs

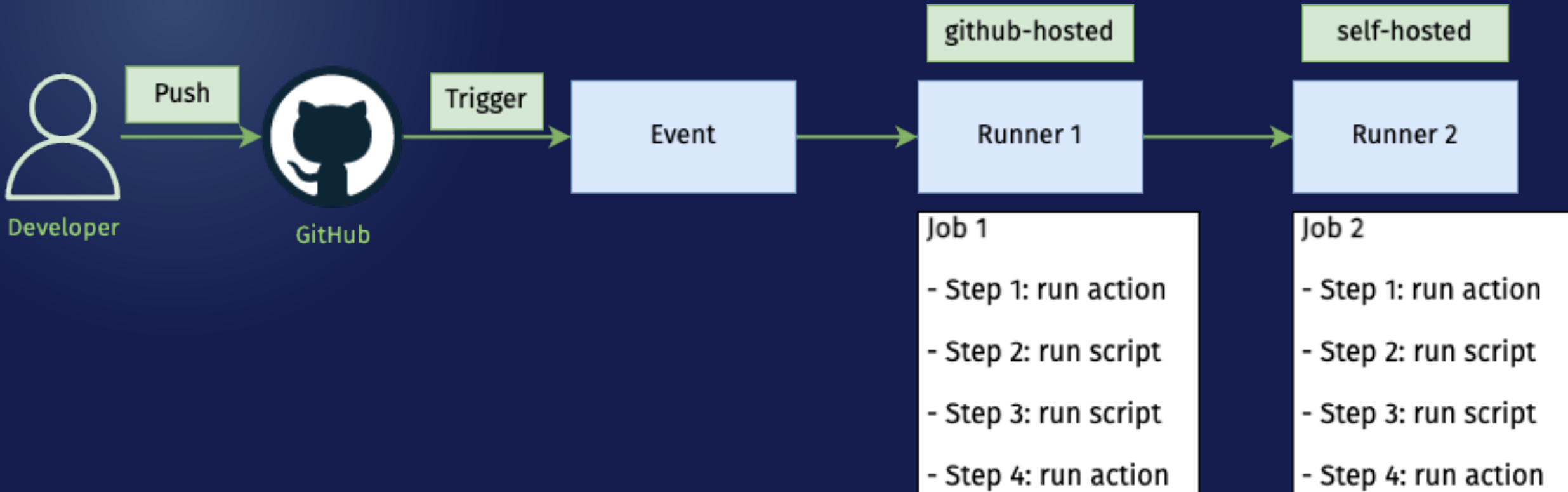
- A job is a set of steps in a workflow that execute on the same runner

- > Actions

- An action is a custom application from the marketplace



How GitHub Actions Work?



Demo



```
1  name: first-gb-actions-workflow
2  on:
3    workflow_dispatch:
4    push:
5      branches:
6        - main
7    paths:
8      - "ch01/**"
9  jobs:
10   check-bats-version:
11     runs-on: ubuntu-latest
12     steps:
13       - uses: actions/checkout@v2
14       - uses: actions/setup-node@v2
15         with:
16           node-version: '16'
17       - name: install bats
18         run: npm install -g bats
19       - name: run bats
20         run: bats -v
```



References

- <https://docs.github.com/en/actions/learn-github-actions/understanding-github-actions>
- <https://github.com/ninefyi/gh-action-series>
- [kod.so - Beautiful Code Screenshots](https://kod.so)



THANK YOU!

Q&A

