

GitHub Actions入門

帰ってきた関西モバイルアプリ研究会 #3

自己紹介

- Twitter: @penguin_sharp
- GitHub: MeilCli
- Blog: <https://blog.meilcli.net/>
- Skill: C#, Kotlin, Android, Azure Pipelines
- Work: Fenrir Inc.
 - Android Application Engineer
 - 発言は個人の見解であり所属する組織の公式見解ではありません

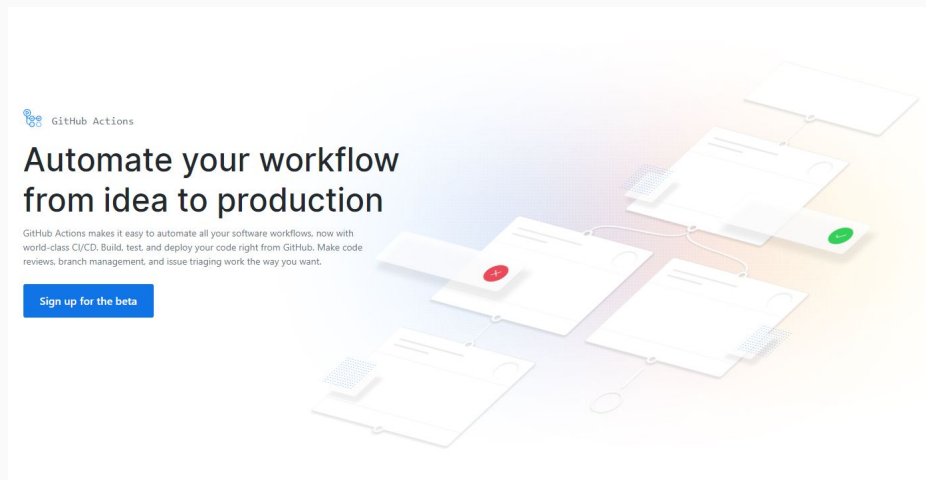
GitHub Actionsとは

- GitHub製のワークフロー自動化ツール
 - ベータ版
 - 最近CI/CD機能もついた
 - Azure Pipelinesのクローン
 - <https://twitter.com/natfriedman/status/1159526215658561536>

GitHub Actions入門

ベータ版なのでサインアップが必要

<https://github.com/features/actions>



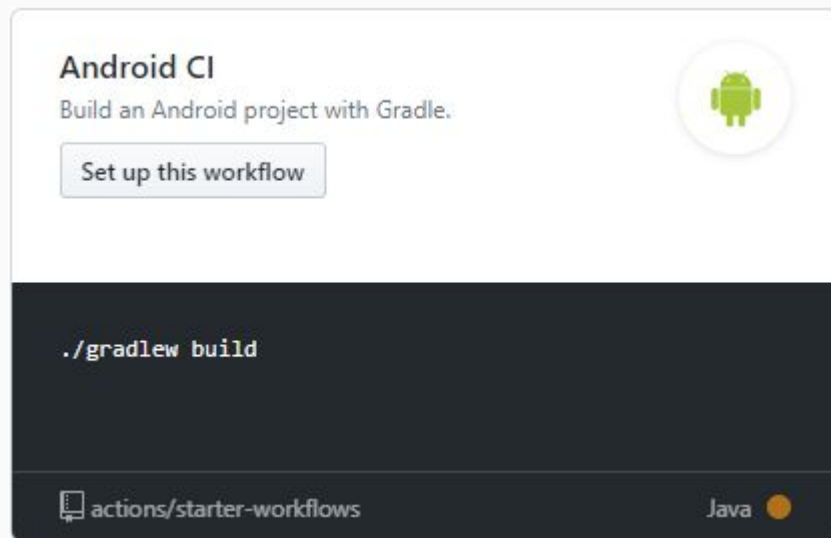
GitHub Actions入門

GitHub Actionsが使えるようになったらリポジトリに表示されます



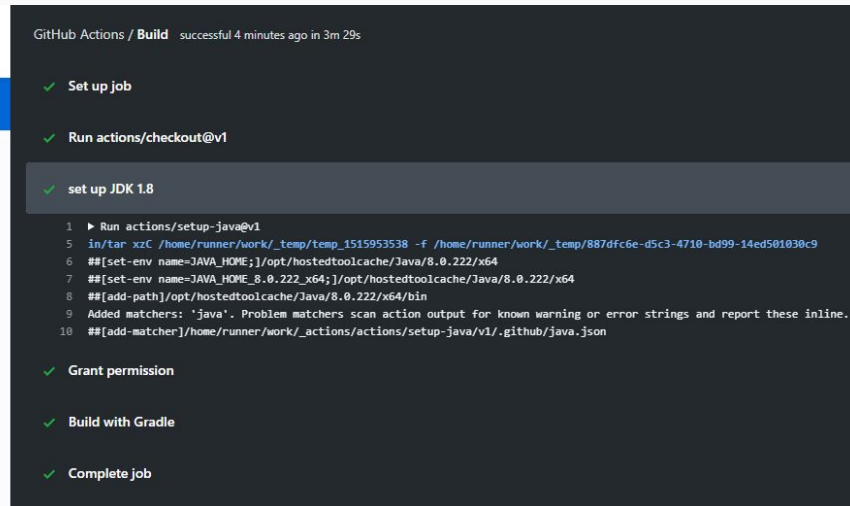
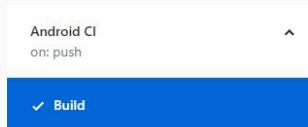
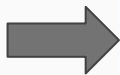
GitHub Actions入門

- 標準でテンプレートが用意されてる
 - Android
 - Node.js
 - ASP .NET Core
 - Go
 - Ruby
 - Crystal
 - etc...



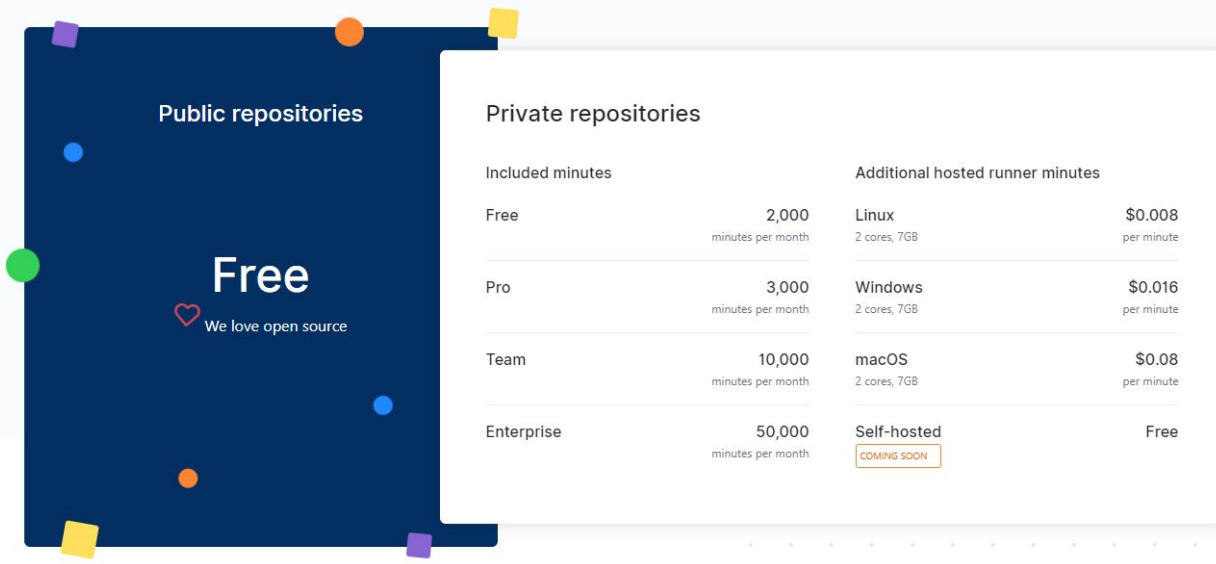
GitHub Actions入門

```
1 name: Android CI
2
3 on: [push]
4
5 jobs:
6   build:
7
8     runs-on: ubuntu-latest
9
10    steps:
11      - uses: actions/checkout@v1
12      - name: set up JDK 1.8
13        uses: actions/setup-java@v1
14        with:
15          java-version: 1.8
16      - name: Grant permission
17        run: chmod +x gradlew
18      - name: Build with Gradle
19        run: ./gradlew build
20
```



GitHub Actions価格

Simple, pay-as-you-go pricing

The image is a screenshot of the GitHub Actions pricing page. It features a dark blue box on the left with the word 'Free' in large white letters, and a white box on the right with a table of pricing details. The dark blue box also contains the text 'Public repositories' and 'We love open source' with a heart icon. The white box has a title 'Private repositories' and a table with two columns: 'Included minutes' and 'Additional hosted runner minutes'. The table lists four plans: Free, Pro, Team, and Enterprise, each with its own included minutes and additional runner pricing for Linux, Windows, and macOS. The 'Self-hosted' option is listed as 'Free' with a 'COMING SOON' tag. The background of the slide is blue with several colorful sticky notes (yellow, orange, green, purple) pinned to it.

Public repositories

Free

♥ We love open source

Private repositories

Included minutes		Additional hosted runner minutes	
Free	2,000 minutes per month	Linux	\$0.008 per minute
Pro	3,000 minutes per month	Windows	\$0.016 per minute
Team	10,000 minutes per month	macOS	\$0.08 per minute
Enterprise	50,000 minutes per month	Self-hosted	Free

COMING SOON

<https://github.com/features/actions>

GitHub Actions所感

- ワークフローの自動化はGitHub Actionsがいい
 - Probotが捗りそう
 - <https://github.com/probot/probot>
- CIはAzure Pipelinesと変わらない
 - テスト結果発行で少しつらいかも (?)
- CDはAzure Pipelinesのほうがいいのかも
 - Azure Pipelinesで言うところの Secret Variablesはあっても Secure Filesがなさそう