형상 관리를 위한 Git & Github

Github 활용법

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Github action 활용하기 (1)

Github Action

"GitHub Actions makes it easy to automate all your software workflows, now with world-class CI/CD. Build, test, and deploy your code right from GitHub. Make code reviews, branch management, and issue triaging work the way you want."
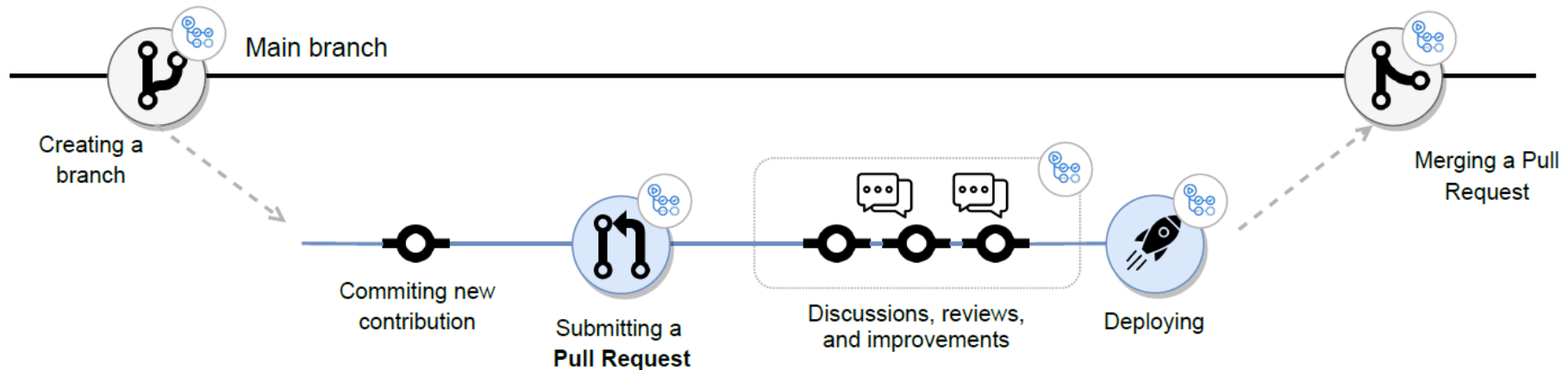

GitHub Actions

https://github.com/features/actions

Github Action

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Github Action

용어

- **Workflow**
    : Job을 실행하는 프로세스
- **Event**
    : PR, Push 등 workflow 실행 트리거
- **Jobs**
    : Step의 집합
- **Step**
    : 특정 행동을 실행하는 script
- **Runner**
    : Workflow가 실행되는 서버

Marketplace

- 다양한 언어를 위한 Template 제공

Choose a workflow

Build, test, and deploy your code. Make code reviews, branch management, and issue triaging work the way you want. Select a workflow to get started.

Skip this and set up a workflow yourself →

🔍 Search workflows

Suggested for this repository

Docker image
By GitHub Actions

Build a Docker image to deploy, run, or push to a registry.

Configure   Dockerfile ●

Rust
By GitHub Actions

Build and test a Rust project with Cargo.

Configure   Rust ●

Grunt
By GitHub Actions

Build a NodeJS project with npm and grunt.

Configure   JavaScript ●

Gulp
By GitHub Actions

Build a NodeJS project with npm and gulp.

Configure   JavaScript ●

Webpack
By GitHub Actions

Build a NodeJS project with npm and webpack.

Configure   JavaScript ●

Deno
By GitHub Actions

Test your Deno project

Configure   JavaScript ●

Quickstart

1. yaml 생성

```yaml
name: GitHub Actions Demo
on: [push]
jobs:
  Explore-GitHub-Actions:
    runs-on: ubuntu-latest
    steps:
      - run: echo "🎉 The job was automatically triggered by a ${{ github.event_name }}
      - run: echo "🐧 This job is now running on a ${{ runner.os }} server hosted by Git
      - run: echo "🔎 The name of your branch is ${{ github.ref }} and your repository :
      - name: Check out repository code
        uses: actions/checkout@v3
      - run: echo "💡 The ${{ github.repository }} repository has been cloned to the run
      - 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 }}."
```

Quickstart

2. repo에 추가

Commit new file

Add GitHub Actions example

Add an optional extended description...

codertocat@github.com

Choose which email address to associate with this commit

○ Commit directly to the `main` branch.

◉ Create a **new branch** for this commit and start a pull request. Learn more about pull requests.

⌥ codertocat-patch-1

Propose new file   Cancel

Quickstart

3. Workflow 실행

Quickstart

4. 실행 결과 확인