



Continuous Integration, CI



1. []

- **GitHub/GitLab/Bitbucket** [] Webhook [] CI []
- **Git Submodules** []

2. **CI/CD** []

- **Jenkins** []
- **GitHub Actions** [] GitHub [] YAML []
- **GitLab CI/CD** [] GitLab []
- **CircleCI** []
- **Travis CI** [] CI []

3. []

- **Maven/Gradle** [] Java [] **npm/Yarn** [] JavaScript [] **pip/Poetry** [] Python []
- **Docker** []

4. []

- [] [] JUnit [] Java [] pytest [] Python [] Jest [] JS []
- [] [] Postman [] API [] Selenium [] UI []
- [] [] SonarQube [] ESLint/Prettier []

5. []

- **Kubernetes** [] **k8s** [] []
- **Terraform** [] IaC []
- **Ansible/Chef** []





CI

graph LR

A[] --> B[CI]

B --> C[]

C --> D[]

D --> E[]

E --> F[]

F --> G{ ? }

G --> H[/]

G --> I[]

H --> J[]

J --> K[/]

K --> L[]



1. [] [] Git Hook[]
2. [] [] Docker[]
3. [] []
 - []
 - []
 - E2E[]
4. [] [] Docker[] JAR[] Nexus[] Harbor[]
5. [] []



1 GitHub Actions

```
# .github/workflows/ci.yml
name: CI Pipeline
on: [push]
jobs:
  build-and-test:
    runs-on: ubuntu-latest
    steps:
      - uses: actions/checkout@v4
```


