

CI-CD

Mise en place

SpringBoot-GitHub

Intégration de Junit Jupiter

Déjà présent dans **pom.xml**

```
<dependency>
  <groupId>org.jetbrains.kotlin</groupId>
  <artifactId>kotlin-test-junit5</artifactId>
  <scope>test</scope>
</dependency>
```

Exécution des tests en local :

```
mvn -B -U -ntp test
```

CI GitHub actions

A mettre dans `.github/workflows/ci-tests.yml` : Vérifiez :

- La version de java (17 ?)
- Le nom de la branche principale (master/main ?)

```
name: CI • Tests (Maven)

on:
  push:
    branches: [ master ]
  pull_request:
    branches: [ master ]

concurrency:
  group: ci-tests-{{ github.ref }}
  cancel-in-progress: true

jobs:
  test:
    runs-on: ubuntu-latest
    strategy:
      matrix:
        java: [ '17' ]
```

```
env:
  MAVEN_OPTS: -XX:+UseParallelGC -Xmx1g -Djava.awt.headless=true
  MAVEN_ARGS: ""

steps:
  - name: Checkout
    uses: actions/checkout@v4

  - name: Set up Temurin JDK
    uses: actions/setup-java@v4
    with:
      distribution: temurin
      java-version: ${{ matrix.java }}
      cache: maven

  - name: Build & test
    run: mvn -B -U -ntp $MAVEN_ARGS verify

  - name: Upload test and coverage reports
    if: always()
    uses: actions/upload-artifact@v4
    with:
      name: test-reports-java-${{ matrix.java }}
      path: |
        **/target/surefire-reports/**
        **/target/failsafe-reports/**
        **/target/site/jacoco/**
      retention-days: 7
```

Le workflow :

- Se déclenche sur push et pull_request vers master.
- Installe JDK 17, restaure le cache Maven, compile et lance les tests (verify).
- Archive les rapports (téléchargeables depuis l'onglet "Actions" de Github).

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