

CI pipeline using Github Action Docker

 This Is a description on how to create a a CI pipe line with multiple docker file.

Git Hub Workflow:

create a github workflow inside

 `maven.yml`

```
1  # This workflow will build a Java project with Maven, and cache/restore any dependencies to improve the
  workflow execution time
2  # For more information see: https://docs.github.com/en/actions/automating-builds-and-tests/building-and-
  testing-java-with-maven
3
4  # This workflow uses actions that are not certified by GitHub.
5  # They are provided by a third-party and are governed by
6  # separate terms of service, privacy policy, and support
7  # documentation.
8
9  name: CommonConnector
10
11 on:
12   push:
13     branches: [ "development" ]
14   pull_request:
15     branches: [ "development" ]
16
17 jobs:
18   checkout-build-push:
19     runs-on: ubuntu-latest
20     steps:
21       - name: checking out git
22         uses: actions/checkout@v4
23       - name: setup java
24         uses: actions/setup-java@v4
25         with:
26           java-version: '17'
27           distribution: 'temurin'
28           cache: maven
29       - name: packaging in maven
30         run: mvn clean package -DskipTests=true
31       - name: integration testing
32         run: mvn --batch-mode --update-snapshots verify
33       - run: mkdir staging && cp mtnNotificationGenerator/target/*.jar staging && cp
  mtnCommonBean/target/*.jar staging && cp mtnConnectorTemplate/target/*.jar staging && cp
  mtnConnectorSalary/target/*.jar staging && cp mtnConnectorUserProfile/target/*.jar staging && cp
  mtnvalidationConnector/target/*.jar staging && cp mtnLoyaltyManagementConnector/target/*.jar staging && cp
  mtnBatchProcessing/target/*.jar staging && cp mtnNotificationGenerator/target/*.jar staging && cp
  mtnUrlShortener/target/*.jar staging
34       - name: upload artifact
35         uses: actions/upload-artifact@v4
36         with:
37           name: commonConnector
```

```

38     path: staging
39   - name: set sonar cube
40     run: echo "does not have sonar cube access project create access"
41   - name: Set up QEMU
42     uses: docker/setup-qemu-action@v3
43   - name: Set up Docker Buildx
44     uses: docker/setup-buildx-action@v3
45   - name: Login to Docker Hub
46     uses: docker/login-action@v3
47     with:
48       username: ${ secrets.DOCKERHUB_USERNAME }
49       password: ${ secrets.DOCKERHUB_TOKEN }
50   - name: Build and push commonBean
51     uses: docker/build-push-action@v6
52     with:
53       platforms: linux/amd64,linux/arm64
54       context: .
55       push: true
56       file: DockerfileBean
57       tags: indranil13/commonconnector:mtnCommonBean${ secrets.RELEASE_VERSION }}.${ github.run_number }
58   - name: Build and push commontemplate
59     uses: docker/build-push-action@v6
60     with:
61       platforms: linux/amd64,linux/arm64
62       context: .
63       push: true
64       file: DockerfileTemplate
65       tags: indranil13/commonconnector:mtnConnectorTemplate${ secrets.RELEASE_VERSION }}.${ github.run_number }
66   - name: Build and push userProfile
67     uses: docker/build-push-action@v6
68     with:
69       platforms: linux/amd64,linux/arm64
70       context: .
71       push: true
72       file: DockerfileUserProfile
73       tags: indranil13/commonconnector:mtnConnectorUserProfile${ secrets.RELEASE_VERSION }}.${ github.run_number }
74
75
76   # Optional: Uploads the full dependency graph to GitHub to improve the quality of Dependabot alerts this
77   # repository can receive
78   # - name: Update dependency graph
79   #   uses: advanced-security/maven-dependency-submission-action@571e99aab1055c2e71a1e2309b9691de18d6b7d6

```

Build Stage stander:

<https://github.com/indranb13/mtnCommonConnector> action is no development branch