**CHATGPT Generated Java YML:**

name: Maven Workflow (Self-Hosted)

on:

push:

branches:

- main

pull\_request:

branches:

- main

env:

AZURE\_STORAGE\_CONNECTION\_STRING: ${{ secrets.AZURE\_STORAGE\_CONNECTION\_STRING }}

SONARQUBE\_TOKEN: ${{ secrets.SONARQUBE\_TOKEN }}

jobs:

build:

runs-on: self-hosted

steps:

- name: Checkout code

uses: actions/checkout@v2

- name: Set up JDK 11

uses: actions/setup-java@v2

with:

java-version: '11'

- name: Build with Maven

run: mvn clean install

- name: Run unit tests with JUnit

run: mvn test

- name: Publish build artifact to Azure Storage Blob

uses: azure/CLI@v1

with:

azcliversion: '2.30.0'

inlineScript: |

az storage blob upload-batch --source <path-to-artifacts> --destination <destination-container> --destination-path <destination-path> --connection-string ${{ env.AZURE\_STORAGE\_CONNECTION\_STRING }}

- name: Install SonarQube Scanner

uses: sonarsource/sonarqube-scan-action@v1

- name: Run SonarQube analysis

run: mvn sonar:sonar -Dsonar.host.url=<sonarqube-server-url> -Dsonar.login=${{ secrets.SONARQUBE\_TOKEN }}

- name: Install Docker

uses: azure/docker-compose@v1

- name: Build Docker Compose files

run: docker-compose build

# Add additional Docker Compose commands if needed

**Changed Java YML File:**

name: CICD pipeline

on:

workflow\_dispatch:

push:

branches: [ manualTrigger ]

pull\_request:

branches: [ manualTrigger ]

env:

SONAR\_TOKEN: '75621cba6337eff300a0b42e8d68eb9d4cdbe709'

SONAR\_HOST\_URL: 'http://brillioonesonar.eastus.cloudapp.azure.com:9000'

jobs:

build:

runs-on:

- self-hosted

- label-1

steps:

- name: Checkout repository

uses: actions/checkout@v2

- name: Set up JDK

uses: actions/setup-java@v2

with:

java-version: 11

distribution: 'temurin'

- name: Build with Maven

run: mvn clean package

- name: Run Tests

run: mvn test

- name: Publish Build Artifacts

uses: azure/CLI@v1

with:

azcliversion: latest

inlineScript: |

az storage blob upload-batch --destination gen-ai-javaspringboot --source ./ --connection-string "${{ secrets.AZURE\_STORAGE\_CONNECTION\_STRING }}" --overwrite

- name: SonarQube Scan

uses: SonarSource/sonarqube-scan-action@v1.2.0

with:

SONAR\_TOKEN: ${{env.SONAR\_TOKEN }}

projectKey: ${{ env.sonar.projectKey }}

projectName: ${{ env.sonar.projectName }}

SONAR\_HOST\_URL: ${{ env.SONAR\_HOST\_URL }}

- name: Docker compose up

run: docker-compose up -d