//Automat-IT

node{

def mvnHome

stage('Preparation') {

// Get some code from a GitHub repository

git 'https://github.com/zivkashtan/course.git';

// Get the Maven tool.

mvnHome = tool 'M3'

}

stage('Package') {

// Run the maven package

echo sh (returnStdout: true, script: "'${mvnHome}/bin/mvn' package")

}

stage('Publish artifacts to Nexus registry') {

//Publish the artifact to the Nexus raw repository

withCredentials([[$class: 'UsernamePasswordMultiBinding', credentialsId: 'nexus',

usernameVariable: 'USERNAME', passwordVariable: 'PASSWORD']]) {

echo sh (returnStdout: true, script: "curl -v -u ${USERNAME}:${PASSWORD} --upload-file <PATH\_TO\_YOUR\_WARFILE> <NEXUS\_REPOSITORY\_URL>/<WARFILE\_NAME>”)

}

}

stage('Creating Dockerfile') {

//Create the Dockerfile in the workdir

echo sh (returnStdout: true, script: "echo 'FROM tomcat:8.0.20-jre8' > Dockerfile")

echo sh (returnStdout: true, script: "echo 'COPY ./web/target/time-tracker-web-0.3.1.war /usr/local/tomcat/webapps/' >> Dockerfile")

}

stage('Docker build image') {

echo sh (returnStdout: true, script: "docker build -t <YOUR\_DOCKERHUB\_USERNAME>/time-tracker .")

}

stage('Ansible push image') {

//Doing the docker login into the DockerHub

//Pushing the image to the repository

echo sh (returnStdout: true, script: "ansible-playbook /home/ubuntu/docker\_push\_playbook.yml -i /home/ubuntu/hosts")

}

stage('Ansible pull and run image') {

//Pull image from the DockerHub

//Run the image within the exposed '80' port

echo sh (returnStdout: true, script: "ansible-playbook /home/ubuntu/docker\_pull\_run\_playbook.yml -i /home/ubuntu/hosts")

}

}