

Lab 5 - Maven Build using Freestyle project

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Pre-requisites

- Jenkins and Github Integration: [Lab 2 - Integrate Jenkins with Github](#)
-

Fork my Github Repository

<https://github.com/CloudWithRaghu/HelloDevops.git>

Create a Freestyle Project

Dashboard > All >

Enter an item name

MavenBuild

» Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with for something other than software build.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building organizing complex activities that do not easily fit in free-style job type.

OK

Add SCM configuration

Add your Git URL and Git credentials configured in the previous Lab - Integrating Jenkins with Github

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

None

Git

Repositories

Repository URL ?

https://github.com/CloudWithRaghu/HelloDevops.git

Credentials ?

cloudwithraghu/***** (Github-Credentials)

+ Add

Advanced

Save Apply

Scroll down and under Branches to build, leave default

Dashboard > MavenBuild > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Branches to build ?

Branch Specifier (blank for 'any') ?

*/master

Add Branch

Repository browser ?

(Auto)

Scroll down and under Build Steps, select Invoke Maven targets

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Build Steps

Add build step ^

Filter

Add a new template to all docker clouds

Build / Publish Docker Image

Docker Compose Build Step

Execute Docker command

Execute Windows batch command

Execute shell

GitHub PR: set 'pending' status

Invoke Ant

Invoke Gradle script

Invoke top-level Maven targets

PowerShell

Configure Maven Package Goal

Note: Make sure you perform the previous Lab - Configure Maven with Jenkins

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

Build Steps

Invoke top-level Maven targets ?

Maven Version

maven396

Goals

clean package

Verify the JAR created

```
1 cd /var/lib/jenkins/workspace
2 cd 'Maven Package using Scripted Pipeline Code'
3 cd target
4
5 sudo java -jar devops-0.1.0.jar
6 The current local time is: 15:14:08.203
7 Hello DevOps Engineers
8
```