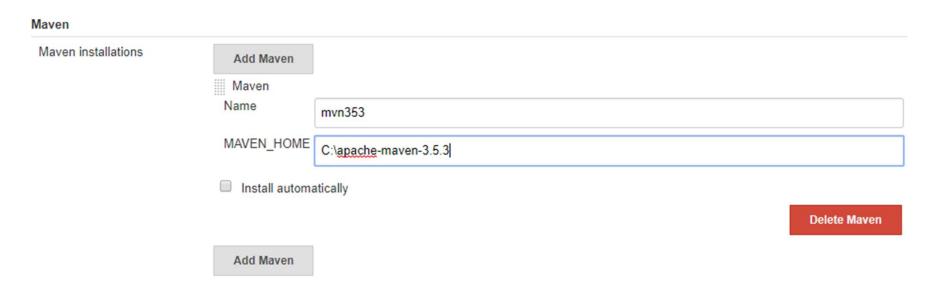
# Setting Up Maven Jobs in Jenkins

## Jenkins – Maven Set-Up

- Best approach is to set MAVEN\_HOME and M2\_HOME environment variables to Local Maven Directory
- Other approach is to set it in 'Global Tools Configuration'



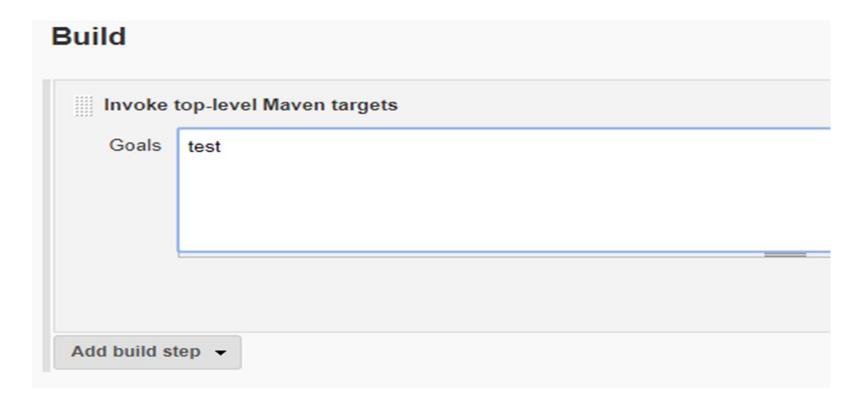
#### Jenkins – Maven Job

 Put up a Free Style Job to pull this GitHub Repository https://github.com/rchidana/mvndemo.git

• In the build Step, execute top level Maven Goal 'test'

#### Jenkins – Maven Job

In the build Step, execute top level Maven Goal 'test'

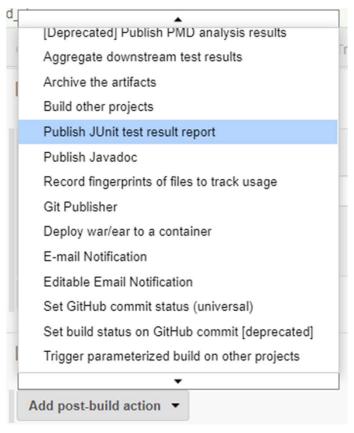


#### Jenkins – Publish JUnit Results

- Run the Job once to check if everything is well
- Sure-Fire is the JUnit plugin which produces all test XML reports which are found in 'target/surefire-reports/'
- Please publish test results by specifying the folder of the Reports file

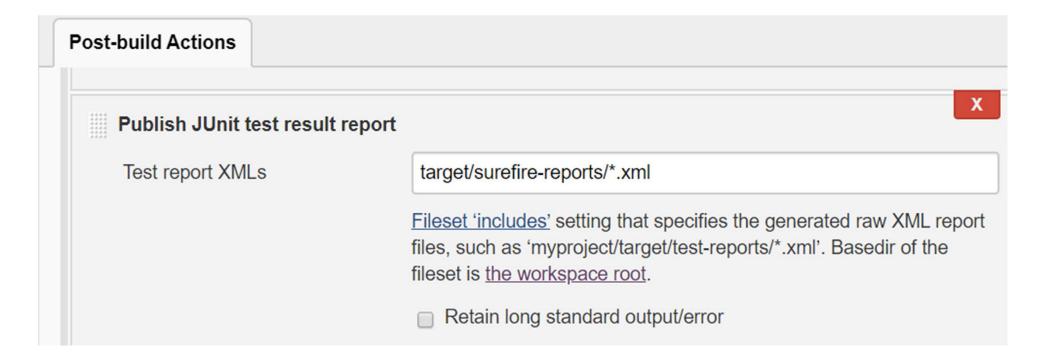
#### Jenkins – Publish JUnit Results

Post Build Action -> Publish JUnit Results



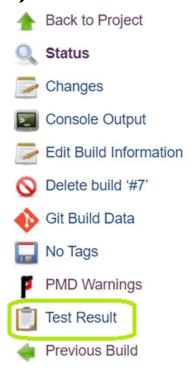
#### Jenkins – Publish JUnit Results

Post Build Action -> Publish JUnit Results



#### Jenkins – View JUnit Results

• On the recent Build, check 'Test Result'



## PMD – Code Analyzer

Free Static Code Analyzer





An extensible cross-language static code analyzer.

## PMD – Code Analyzer

- PMD analysis can be invoked with the Maven target pmd:pmd
- Jenkins Needs PMD Plugin in order to run PMD analysis on any project

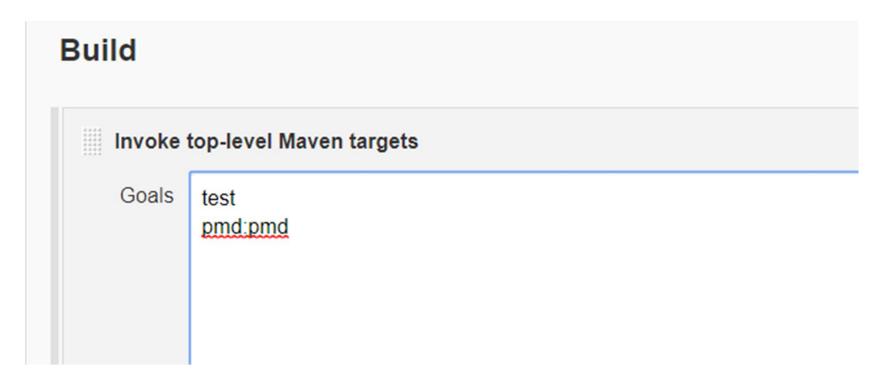
## Install Jenkins PMD Plugin

Manage Plugins > Available : Search for PMD

	Oracle Java SE Development Kit Installer Plugin	
<b>₽</b>	Allows the Oracle Java SE Development Kit (JDK) to be installed via download from Oracle's website.	<u>1.3</u>
	PMD Plug-in	
	The PMD plug-in reached end-of-life. All functionality has been integrated into the Warnings Next Generation Plugin.	4.0.0
w.	Static Analysis Utilities	1.06

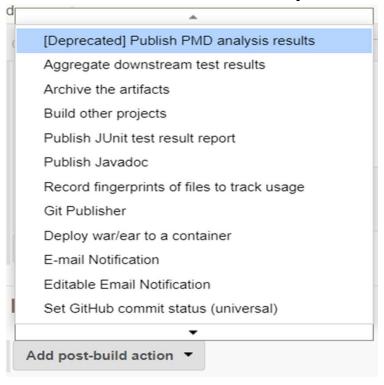
# Invoke Maven pmd analysis

Build Step > Invoke Maven Goal > pmd:pmd



# Publish PMD Reports

Post Build Step > Publish PMD reports



### View PMD Reports

Run the Analysis Once and then click on PMD Warnings

