

Maven, Tycho and Jenkins Installation

Introduction

This article summarizes Maven, Tycho and Jenkins setup for Windows OS.

Maven Installation

Prerequisites :

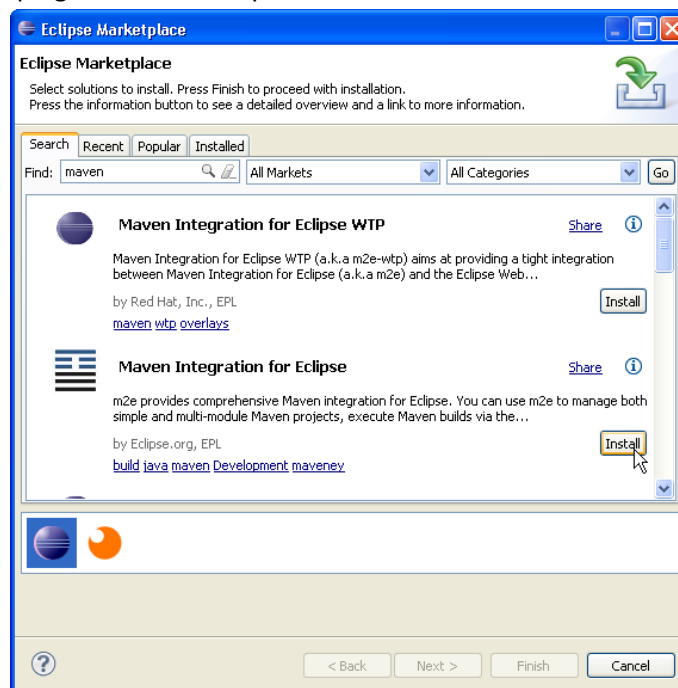
Maven is a Java Tool. Therefore requires JDK Installation, JRE is not sufficient.

Steps to Install Maven

1. Download Maven from <http://maven.apache.org/download.cgi>
2. Unzip the downloaded distribution archive into desired folder.
3. Add M2_HOME Environment Variable to the User Variables in the Environment Variables of Windows and point this Variable to the installation location of Maven.
4. Add M2 Environment Variable to the User Variables in the Environment Variables of Windows and point this to %M2_HOME%\bin.
5. Update the Path Variable in the User Variables to contains %M2%
6. Open New Command Windows and Type mvn -version to verify the Installation

Steps to Install m2eclipse plugin

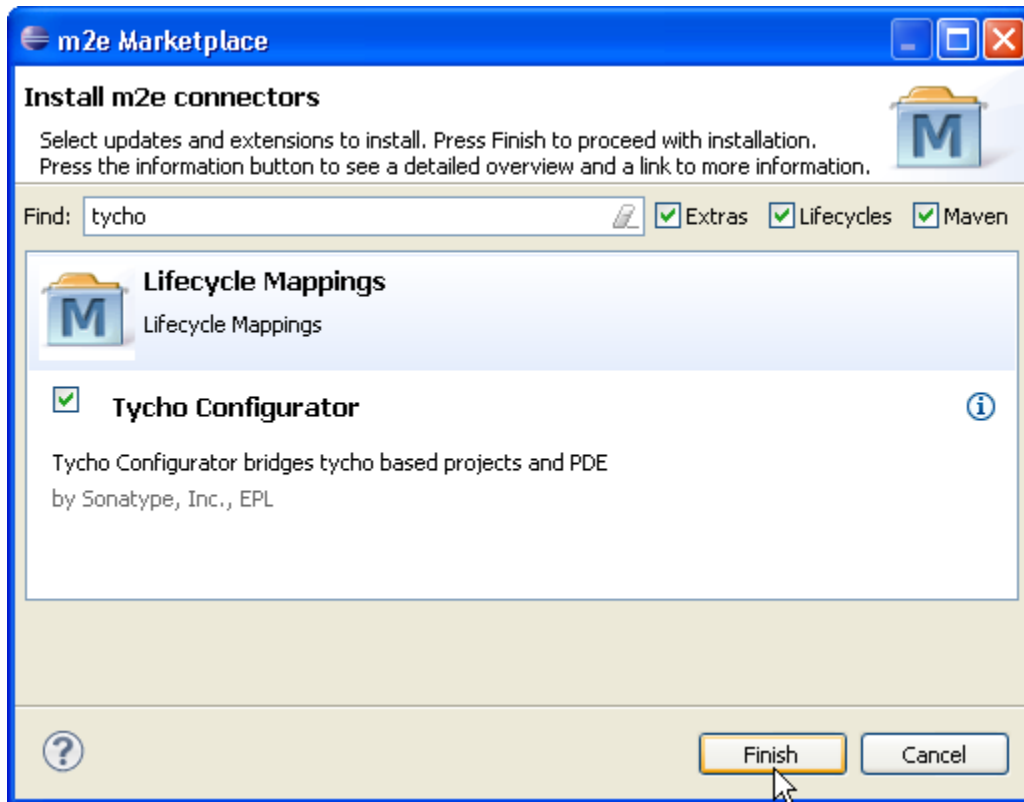
1. Install m2eclipse plugins on your Eclipse IDE from <http://eclipse.org/m2e/download/>
2. Or Install m2eclipse plugins thru marketplace.



Tycho Installation

Steps to Install Tycho Configurator Plugin

1. For seamless integration of Maven and Tycho into Eclipse, a Tycho m2e Connector is needed. Click on Windows > Preferences > Maven > Discovery by pressing the Open Catalog button.



Jenkins Installation

PreRequistes

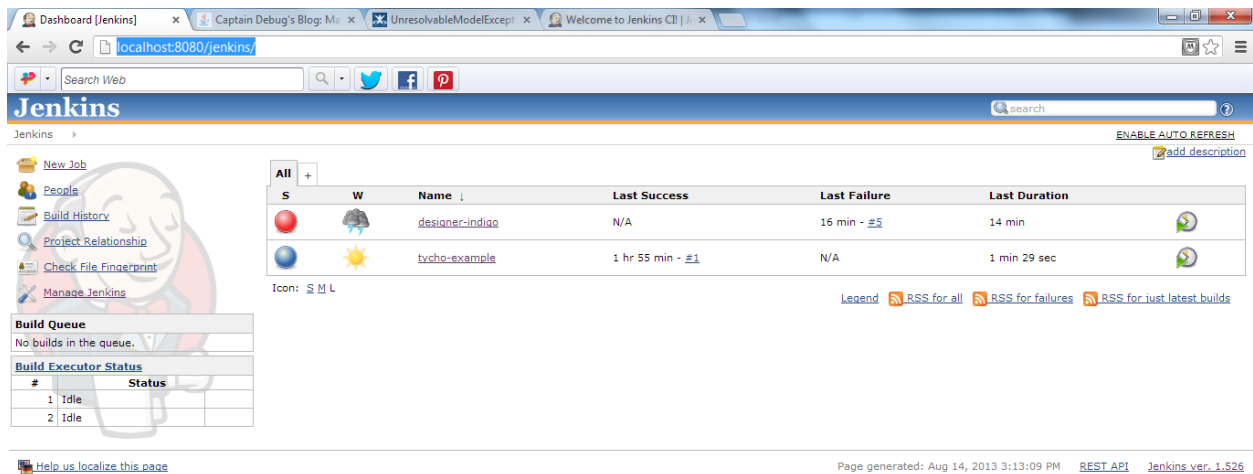
Tomcat Server or any Java Container App Server to be available to deploy jenkins war.

Steps to Install Jenkins

Step 1. Install Jenkins. It is a war file. Download the same from <http://jenkins-ci.org/>

Step 2. Deploy the same in tomcat or any Java Container App Server that you have installed by copying into the relevant folder. For tomcat you need to copy it into the webapps folder.

Step 3. Start your Server and on your browser connect to <http://localhost:8080/jenkins>



The screenshot shows the Jenkins web interface in a browser window. The address bar displays localhost:8080/jenkins/. The page features a navigation menu on the left with options like 'New Job', 'People', 'Build History', 'Project Relationship', 'Check File Fingerprint', and 'Manage Jenkins'. The main content area displays a table of jobs with columns for status (S), weather icon (W), name, last success, last failure, and last duration. Two jobs are listed: 'designer-indigo' and 'tycho-example'. Below the job table, there is a 'Build Queue' section showing 'No builds in the queue.' and a 'Build Executor Status' table with two executors in an 'Idle' state. The footer includes a 'Help us localize this page' link, a page generation timestamp of 'Aug 14, 2013 3:13:09 PM', and links for 'REST API' and 'Jenkins ver. 1.526'.

S	W	Name	Last Success	Last Failure	Last Duration
●	☁	designer-indigo	N/A	16 min - #5	14 min
●	☀	tycho-example	1 hr 55 min - #1	N/A	1 min 29 sec

#	Status
1	Idle
2	Idle

It should open a browser content as shown above.