Building P2 Repository using Maven Tycho

Step 1. Create a General Project using File > New > Others > General > Project.

New Project						
Project Create a new project resource.						
Project name: tycho-p2site						
✓ Use <u>d</u> efault location						
Location: C:\Eclipse Workspaces\tycho_workspace\tycho-p2site Browse						
Working sets						
Add project to working sets						
Working sets: Select						
(?) < <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel						

Step 2. Convert the General Project to Maven Project

a. Right Click on the Plugin Project > Select Configure > Convert to Maven Project

	PDE Tools		
	Configure	Þ	Convert to Maven Project
۲	GitHub	•	

Step 3. Wizard to create pom.xml would Open. Configure the same as mentioned below

- a. Change the version from 0.0.1-SNAPSHOT to 1.0.0-SNAPSHOT
- b. Change Packaging from jar to eclipse-repository.

Author : Annamalai C Date : August 22, 2013

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Create new	POM							
Maven POM This wizard creates a new POM (pom.xml) descriptor for Maven.								
Project: /tycho-p2site								
Group Id:	tycho-p2site 👻							
Artifact Id:	tycho-p2site 🗸							
Version:	1.0.0-SNAPSHOT -							
Packaging:	eclipse-repository -							
Name:	· · · · · · · · · · · · · · · · · · ·							
Description:								
?	<u>Einish</u> Cancel							

Step 4. Adding Repository project to parent pom.xml as Module

a. Click on Add.. button in the Modules section

	E MANIFESTINIF E Org.ma	ven.ide.eclips	org.eclipse.po	de.core 🛛 🗴 .project 🖉 .classpath	M tycno-examples/pom.x 23 6	
Overview						1
Artifact			▶ Proj	ect		
Group Id: tycho-examples Artifact Id: + tycho-examples		► Org	Organization SCM IsugeManagement			
		► SCN				
Version: 1.0.0-	/ersion: 1.0.0-SNAPSHOT					
Packaging: pom	w		► Con	Select Module Projects		
Parent			월 🐸	type filter text		
Properties				🕼 🕞 org.ancit.examples.pde		
▼ Modules				🔲 😂 tycho-examples		
		New Module e	sement			
		R	lemove			
				Update POM parent section in select	ed projects	

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b. Select the modules to include and dnt forget to check the option "Update POM parent section in selected projects."

c. Open the module pom.xml to see parent information added in the pom file as shown below

ycho-examples/pom.x	org.ancit.examples.f	🖬 tycho-p2site/pom.xml 🛛 🔭14	
Overview		Ce ال	•
Artifact		► Project	
Group Id: tycho-p2site		Organization	
Artifact Id: * tycho-p2site		► SCM	
Version:		Issue Management	
Packaging: eclipse-reposi	itory 👻	Continuous Integration	
▼ Parent	<u>()</u>		=
Group Id: * tycho-examples Artifact Id: * tycho-examples Version: * 1.0.0-SNAPSHOT			
]	
Relative Path:/tycho-exan	nples		
Properties			
Modules	New module elen	ment	+
•	"		
Overview Dependencies Depe	endency Hierarchy Effecti	ive POM pom.xml	

Step 5. Right Click on Repository project and Select Maven > Update Project to fix the errors on the Project.

Step 6. Create a Category Definition file from File > New > Others > Category Definition. To this Category Definition, Create the Category and Add your Feature Project. Having the Category Definition file at the root of the Repository Project is mandated to generate the P2 Repository.

Step 7. Now run the parent pom.xml by Right Click, Run As > Maven Install. Your final output would look like





