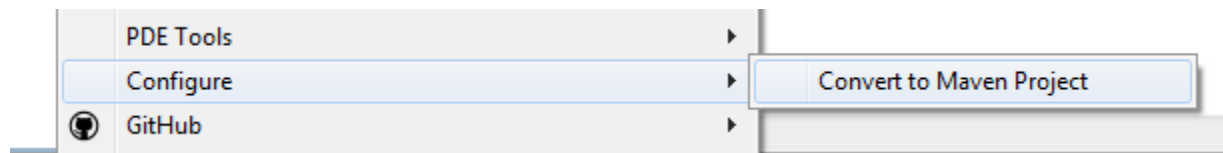


Building a Feature using Maven Tycho

Step 1. Create a Feature Project with required functionality.

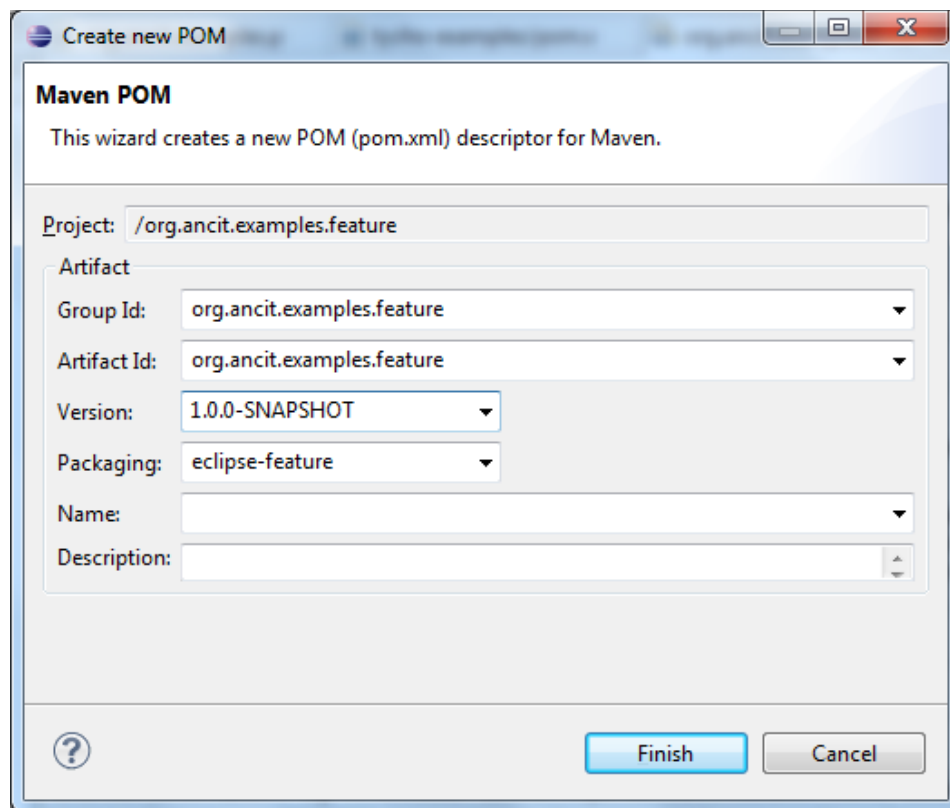
Step 2. Convert the Feature Project to Maven Project

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

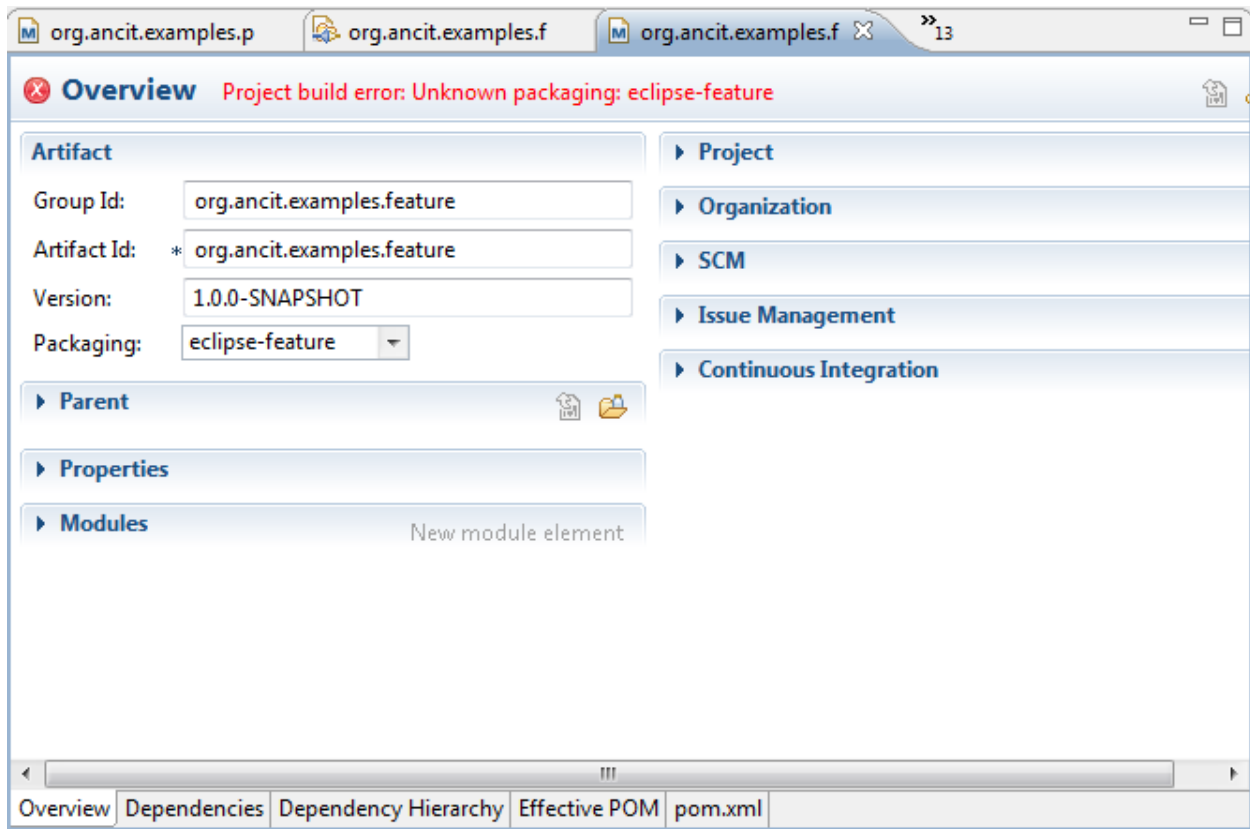


Step 3. Wizard to create pom.xml would Open. Configure the same as mentioned below

- a. Change the version from 0.0.1-SNAPSHOT to 1.0.0-SNAPSHOT
- b. Change Packaging from jar to eclipse-feature. This option is not available in the dropdown.



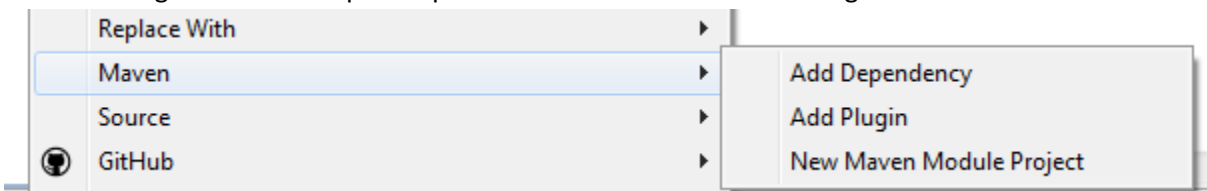
Step 4. Pom.xml on creation would look as shown below



- a. I am sure you know why we are seeing an error. Tycho-maven-plugin is missing in the feature's pom.xml. You can remove the error by adding the required plugin to the pom or the recommended solution is tycho-maven-plugin is being shared by Feature and Plugin Project pom.xml, therefore we add it to the parent pom.xml

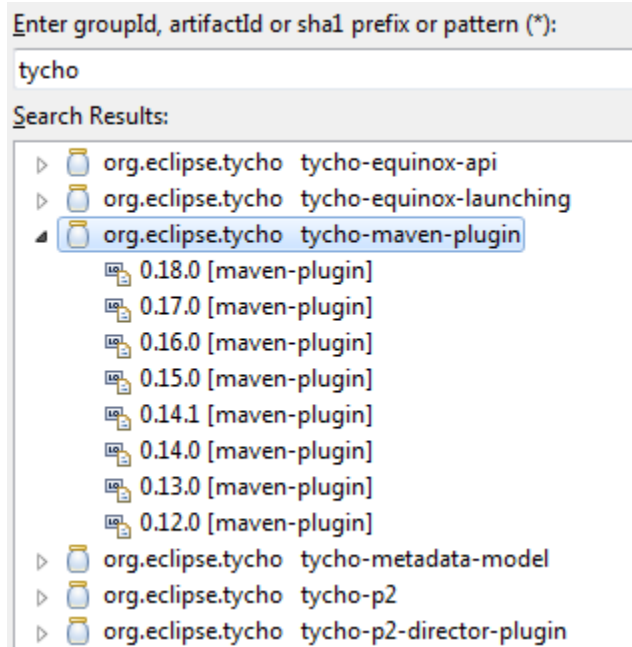
Step 5. To fix these errors follow the steps below

- a. We need to add a Maven Plugin called tycho-maven-plugin to parent pom.xml
- b. Right Click on the parent pom.xml > Select Maven > Add Plugin



Step 6. In the Add Plugin Dialog, type tycho in the textBox as shown below

- a. Select org.eclipse.tycho tycho-maven-plugin



- b. Open the pom.xml and we need to manually alter the pom.xml to have a new tag called as <extensions>>true</extensions> after versions in the plugin tag. Errors from the pom.xml file should be all resolved now.

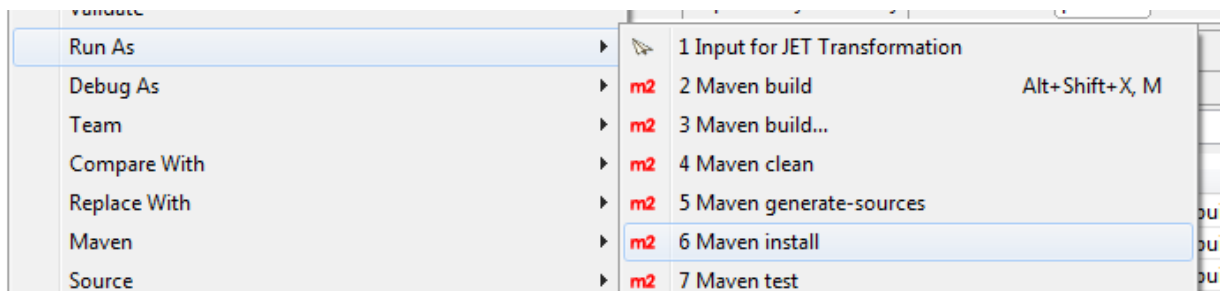
Step 7. Adding Repository for dependancies resolution

- a. Repositories are also shared between the Plugin Project and Feature Project. Therefore the same is also moved to the parent POM.

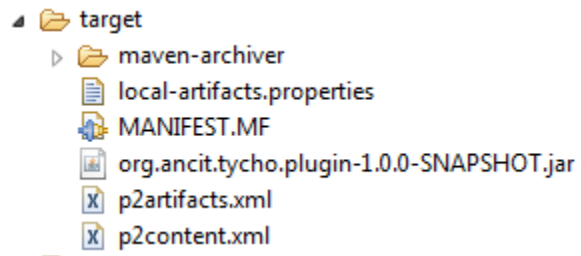
Step 8. Add the Feature Project as a module to the parent pom.xml.

Step 9. Right Click on Feature Project and Select Maven > Update Project to fix the Errors on feature proj

Step 10. Now select the pom.xml and right on the same to run > maven install



Step 11. On Successful build > the Target folder would be updated as shown below



References to read

1. <http://codeandme.blogspot.in/2012/12/tycho-build-1-building-plug-ins.html>
2. <http://www.vogella.com/articles/EclipseTycho/article.html>