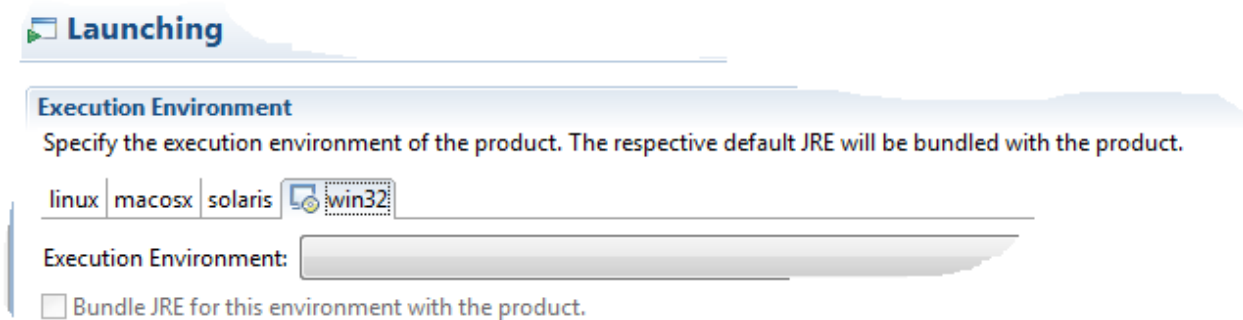


Bundle JRE along with your Product using Maven Tycho

While building a product, we would many a times desire to bundle the JRE along with it. The normal Eclipse PDE Build takes care of it if we enable “Bundle JRE for this environment with the product” in the launching tab of your product configuration file.

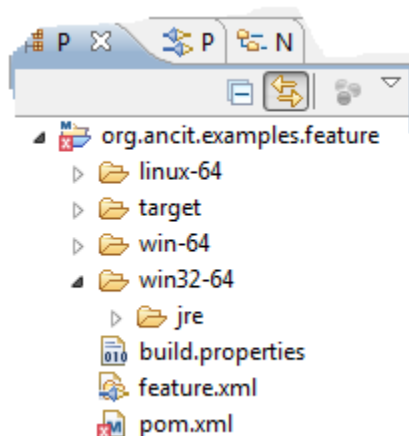


But while building the product using Tycho, this configuration is not considered. Therefore enabling or disabling this checkbox in your product configuration doesn't really help in bundling the JRE along with your product.

Tycho uses the rootfiles concept of PDE Build. To read more on rootfiles, you could search on google to get links to documentation withing eclipse.

Steps to be followed to include JRE during Maven Tycho Build

1. Copy the required JRE in a sub-folder inside your Feature Project.



For e.g. In the screenshot above 3 Folders are added to the feature project, precisely for linux-64bit, windows-64bit, windows-32bit and copied respective JRE into each of these folders.

2. In the build.properties of your Feature Project you need to add the following lines
root.win32.win32.x86_64 = win32-64
root.linux.gtk.x86=linux-64

```
root.win32.win32.x86=win32
```

Therefore your build.properties of Feature Project would look as shown below

```
bin.includes = feature.xml  
root.win32.win32.x86_64 = win32-64  
root.linux.gtk.x86=linux-64
```

3. Now run your parent pom to build your plugins, feature and product. During Product build JRE Folder based on the Platform OS,Arch would be copied from the feature project to the desired location alongside of your product.exe
For e.g. if you are building for linux.gtk.x86 then jre folder placed inside linux-64 of your Feature Project would be copied to the corresponding product directory.

References :

1. PDE Build Advanced Topics > Adding files to the root of the Build
http://help.eclipse.org/juno/index.jsp?topic=%2Forg.eclipse.pde.doc.user%2Ftasks%2Fpde_root_files.htm
2. Including a JRE in a tycho build by Simon
<http://codeiseasy.wordpress.com/2012/07/31/including-a-jre-in-a-tycho-build/>
3. Eclipse Forum : <http://dev.eclipse.org/mhonarc/lists/tycho-user/msg03053.html>