

Using MATLAB Builder for JAVA with Eclipse

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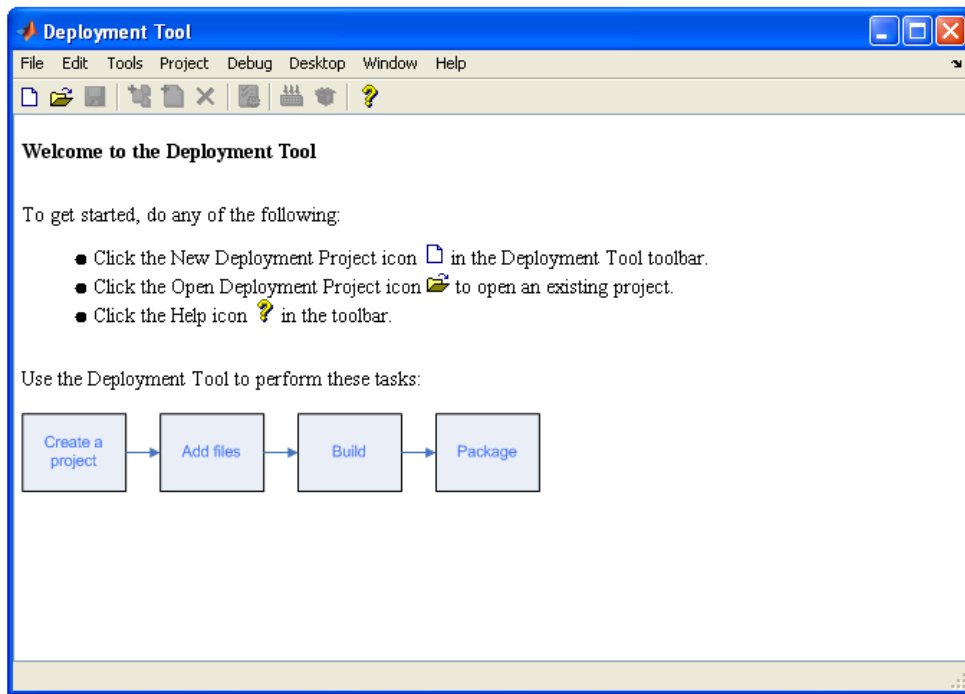
You have to set the path to your java compiler in MATLAB (javac.exe)

```
setenv('JAVA_HOME','C:\Program Files\Java\jdk1.6.0_11\')
```

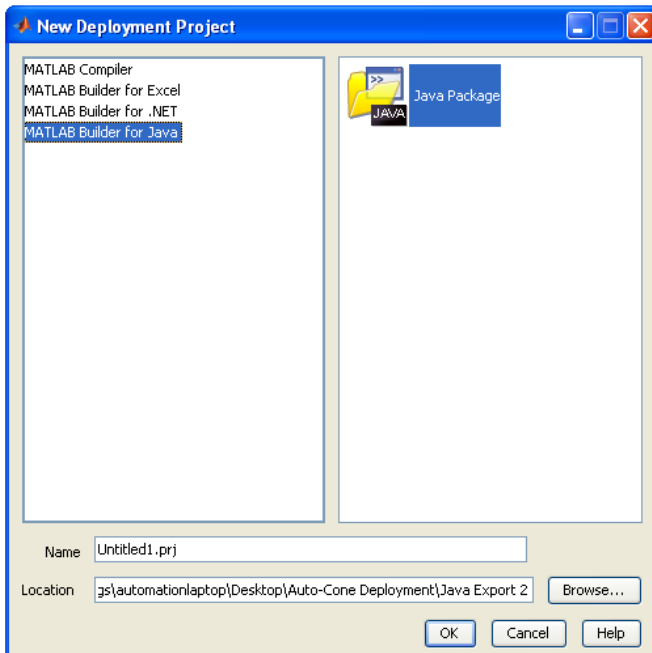
Make sure that this path is the same in both MATLAB and your java IDE, if you use different versions of JRE in MATLAB and your JAVA code you will get an error.

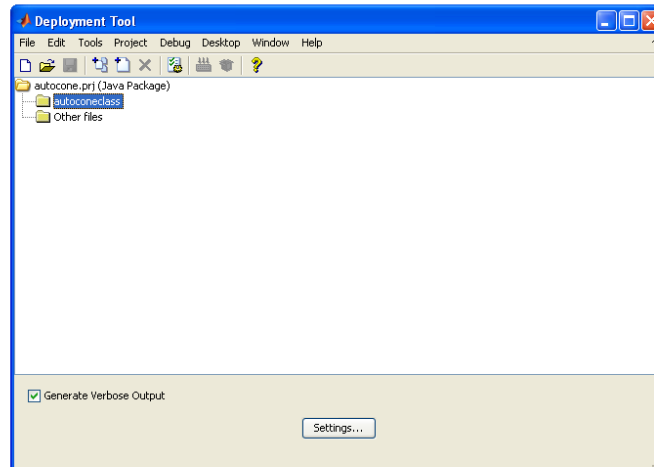
In order to reach MATLAB Builder, in MATLAB command line, type

```
>> deploytool
```



And Select 'MATLAB Builder for JAVA'





Add your .m files (your MATLAB functions). “Generate Verbose Output” will help you see the compilation status during the process. When you are done adding files, click “Build Project”. MATLAB will run mcc and compile your project. If you see any red output it means that mcc has failed to compile

If you get something like the following it means that the compilation was successful

Compilation completed succesfully. The output is located in C:\Documents and Settings\...

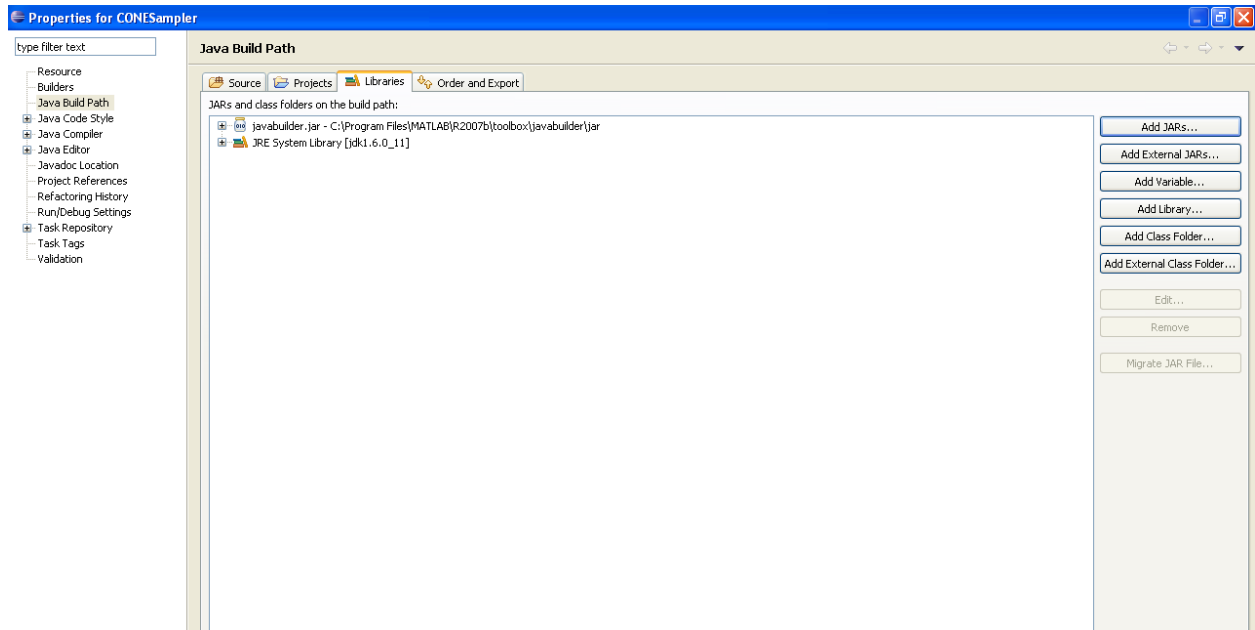
You can package the component by clicking on the "Package" icon in the Deployment Tool toolbar, or by clicking the Tools->Package menu when the Deployment Tool panel is selected. To include additional files in the package, click Project->Settings).

I am using R2007b and successfully! Is typed incorrectly in the output (MATLAB Typo) 😊

In Eclipse

In eclipse you need to add to JAR files in order to be able to work with your compiled MATLAB code, the first one is javvbuilder.JAR and the second is your compiled jar file

Right click on your project and select properties, Go to java build path and select properties. And add these Jar files (as external JAR files)



Import these files in your java file (mine is autocone.jar)

```
import autocone.autoconeclass;  
import com.mathworks.toolbox.javabuilder.MWException;
```

When you are writing your code in java please note that your MATLAB functions usually take two arguments (two lists) the first list is called rhs and is the output from the function (weird convention I don't know why MathWorks does that) and the lhs is the input for the MATLAB function.