

XcodeMigration

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Introduction

XcodeMigration is a tool written by [Pascal Robert](#) to help you migrate multiple WebObjects projects from Xcode to Eclipse/WOLips. If you have complex or many projects to convert, this is the tool to use. The tool is written in Java and is a Eclipse project, so you will need to import the project into Eclipse first (you need a fonctionnal WOLips installation to be able to import the tool).

Short video showing XCode project conversion

- [Converting XCode Projects to Eclipse Dev Tools](#)

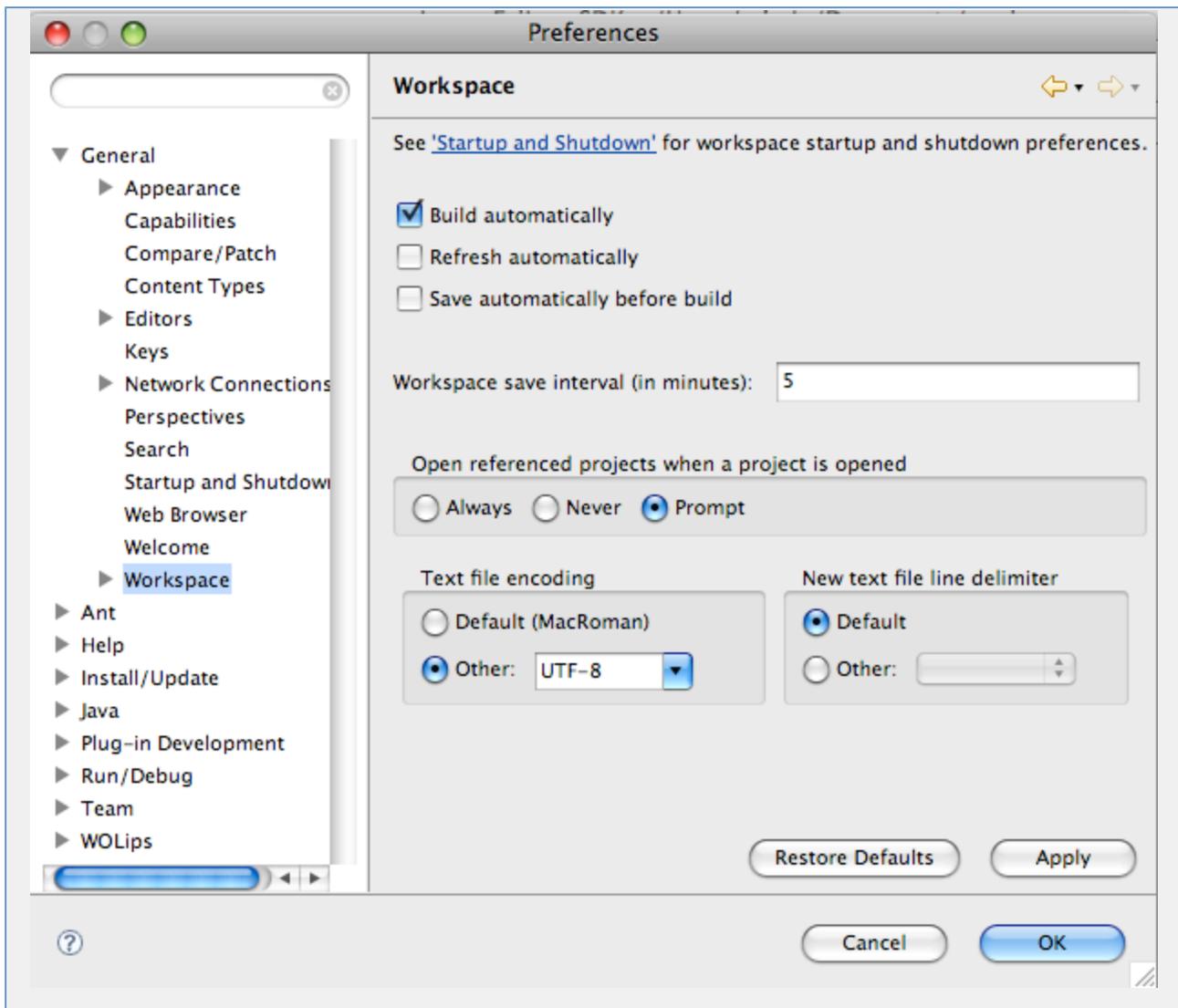
XcodeMigration is using the tool *pbprojectdump* which is no longer present in the Xcode 3 bundle. You need to install Xcode 2.5 to get access to *pbprojectdump* (you can copy it from another machine too).

Alternatively, inside the Xcode tools 2.5 disk image, pbprojectdump can be found at Packages/Packages/DeveloperTools.pkg/Contents/Archive.pax.gz:/Tools/pbprojectdump

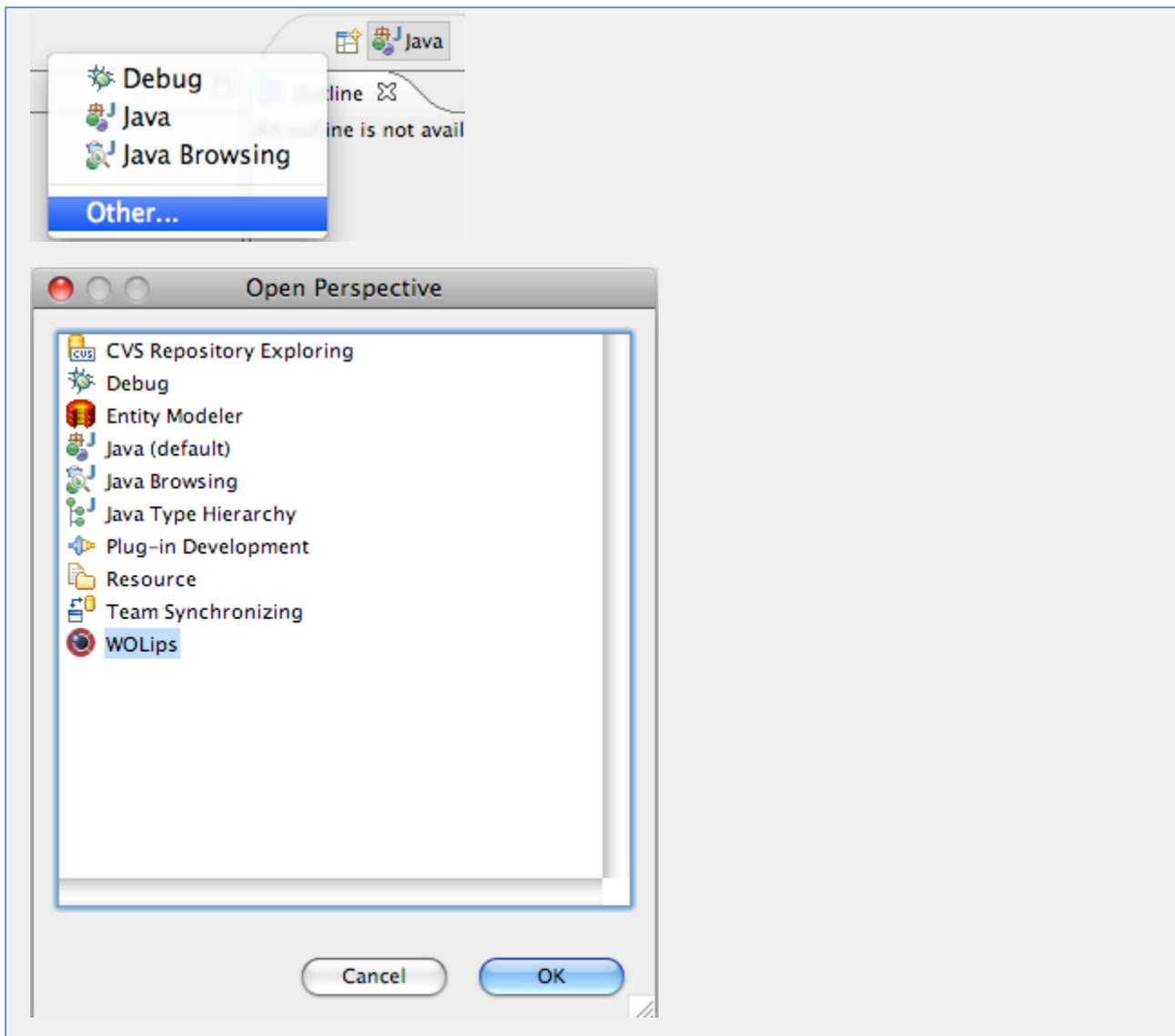
How to use it

Get the project from the [GitHub repository](#).

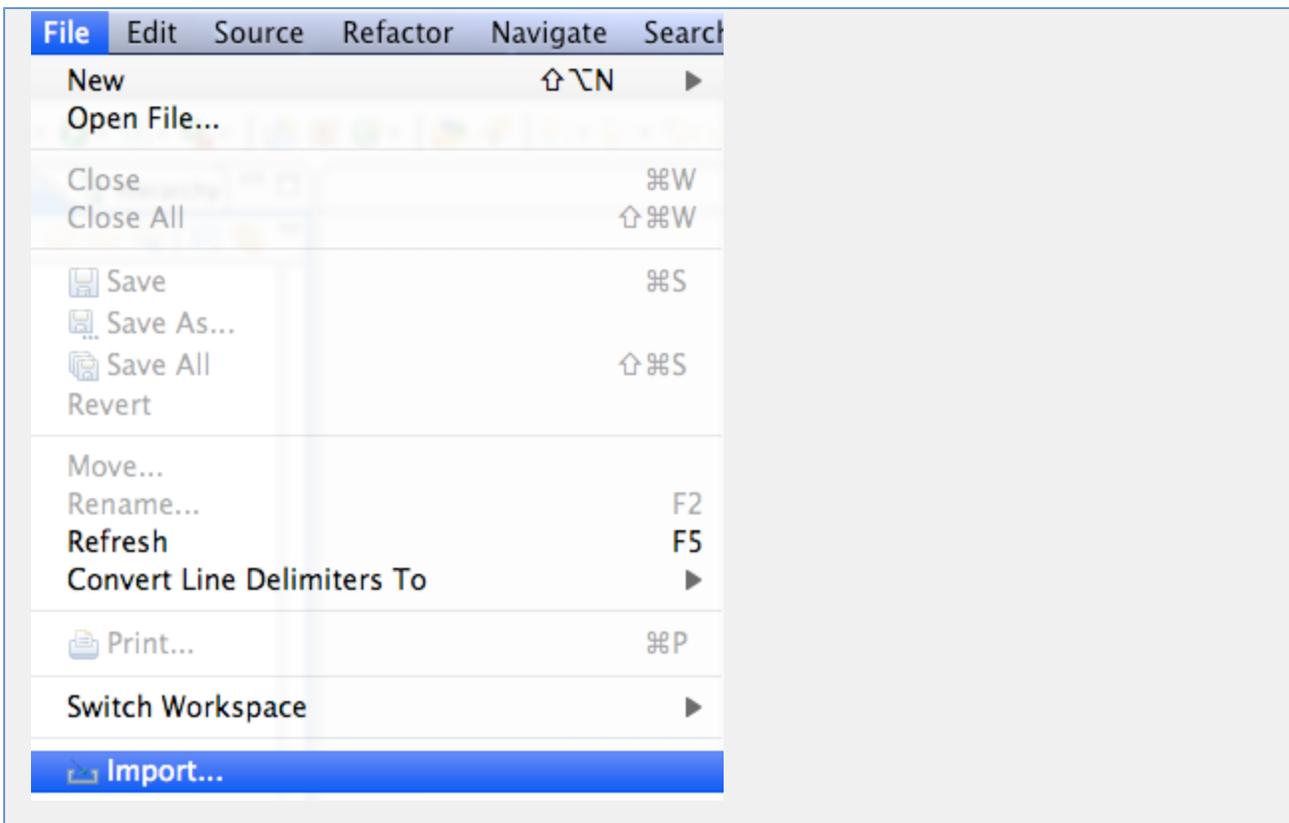
If you want to convert your Java classes from MacRoman to UTF-8, make sure your Eclipse workspace is in UTF-8 (the default is MacRoman).



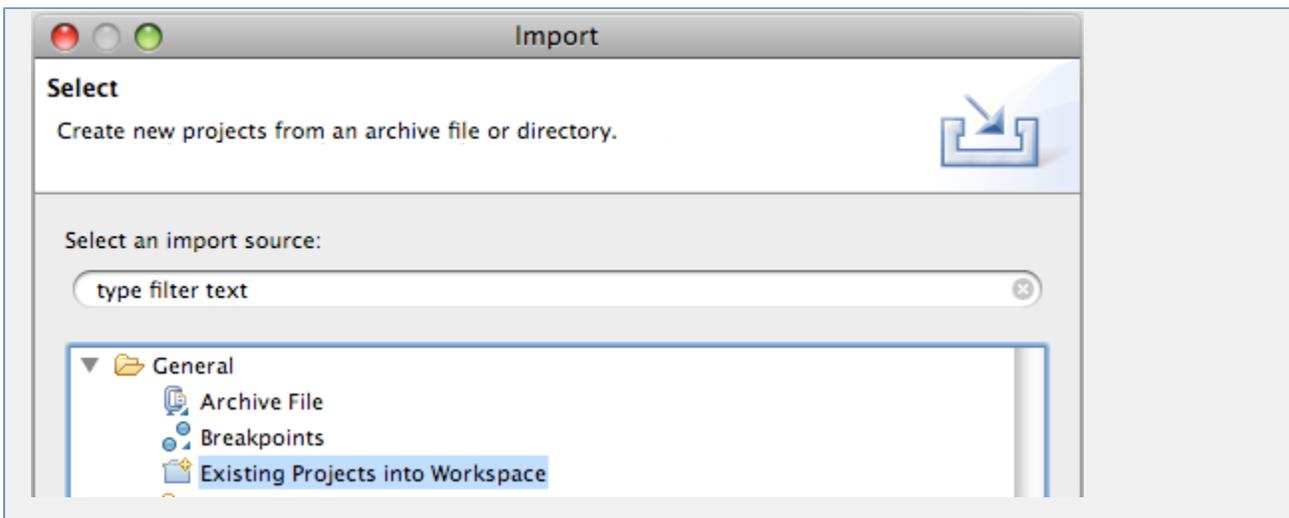
Make sure that you are in the WOLips perspective.



Import the XcodeMigration tool into Eclipse, by selecting *File -> Import*.

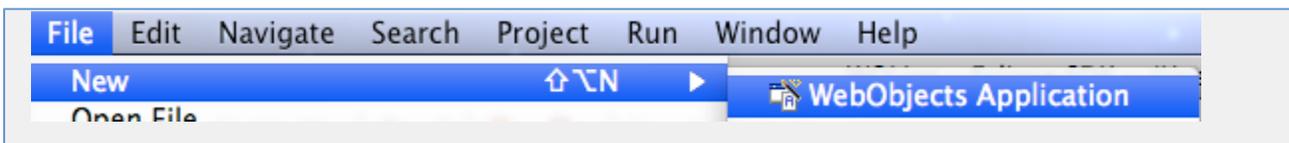


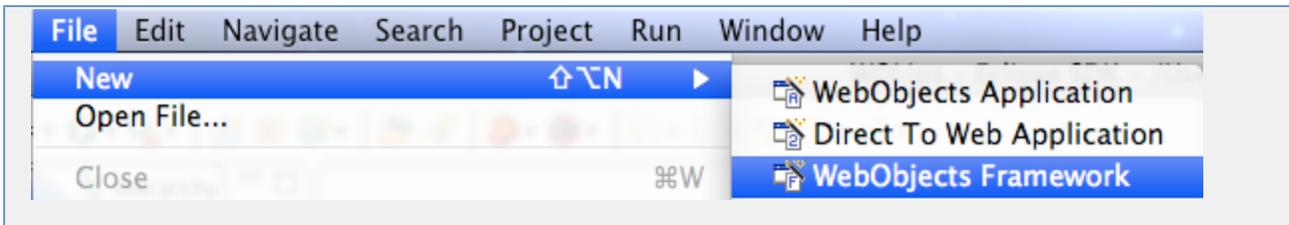
Select *Existing Projects into Workspace* and click *Next*.



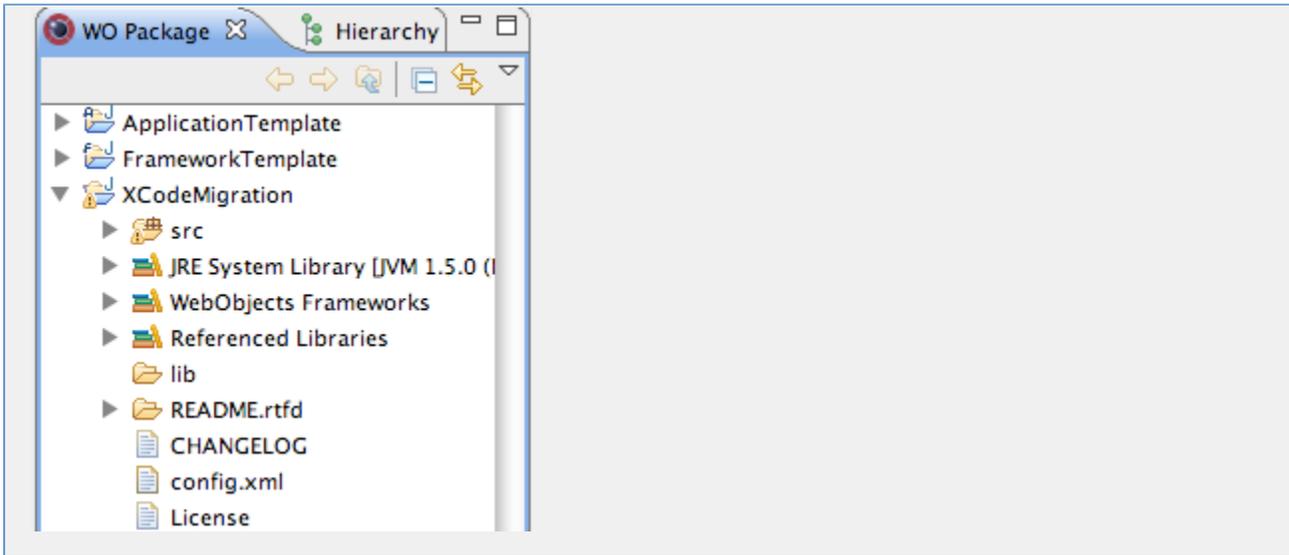
Select the location of the ZIP file with the tool and click *Finish*.

The tool needs two projects templates, one of them is a application template, the other a framework template. So you need to create a *WebObjects Application* and a *WebObjects Framework*.





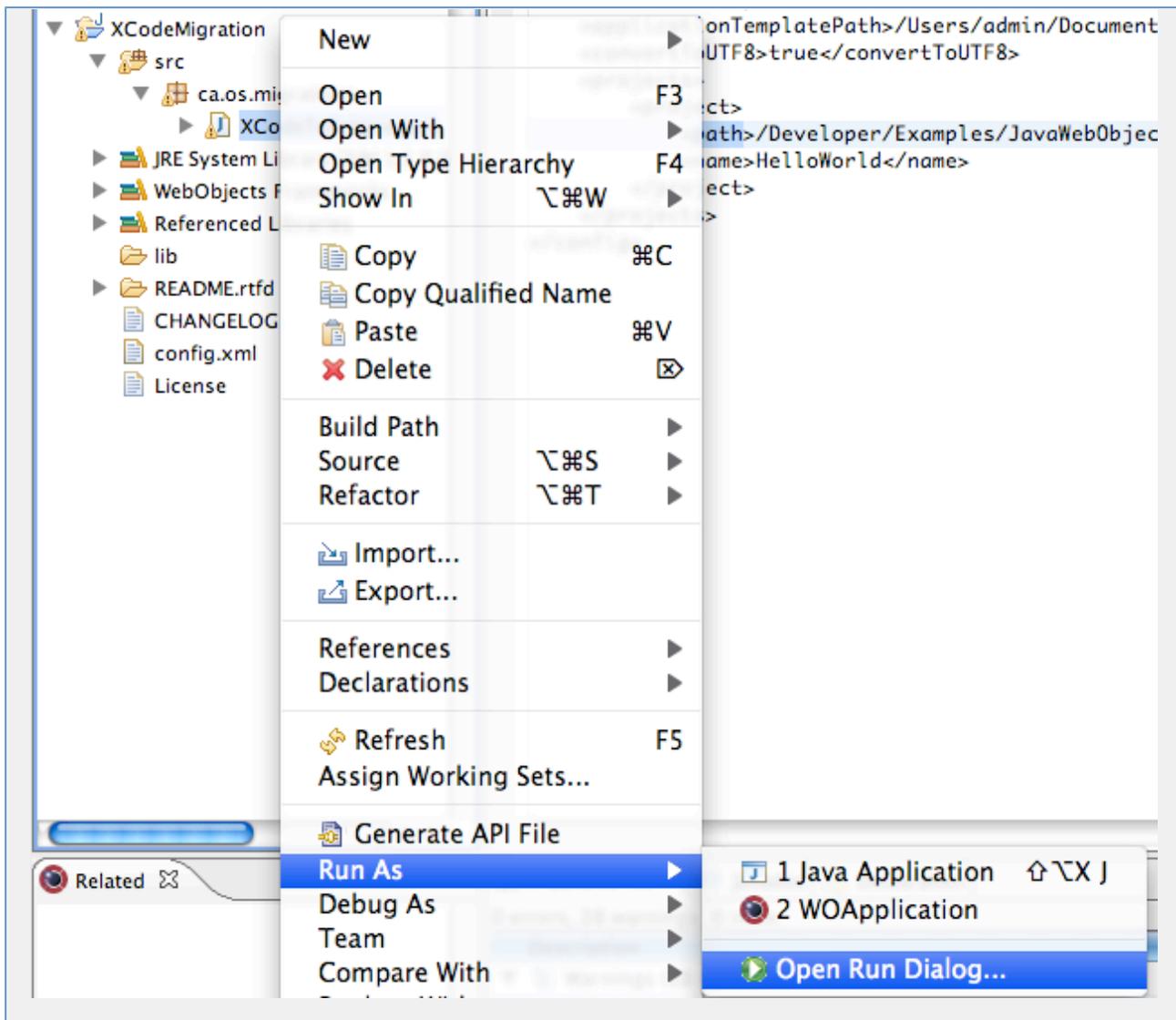
You should see the tool and the two templates in the *WO Package Explorer*.



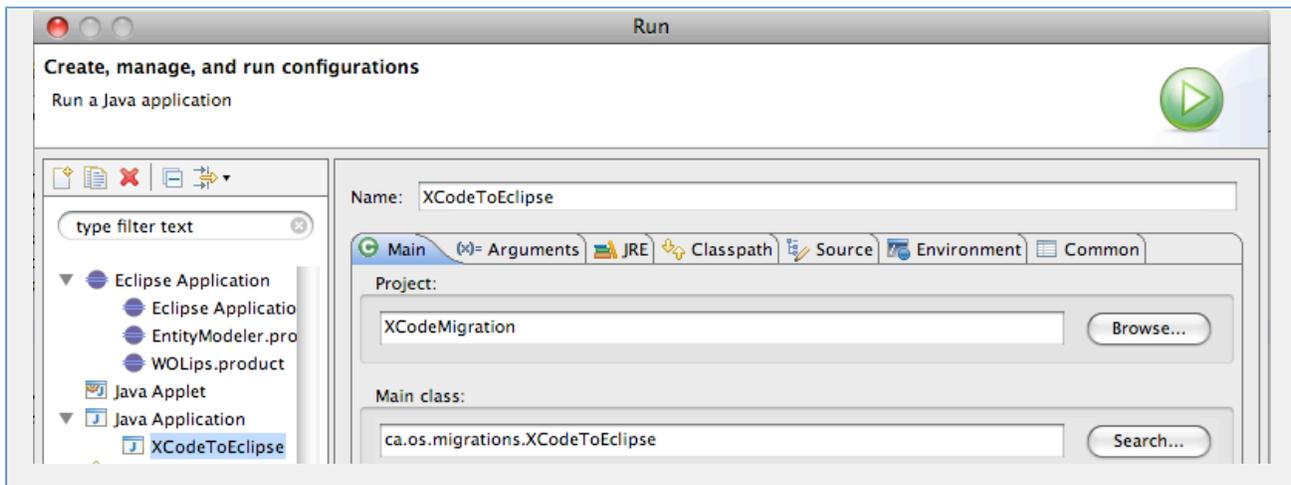
Open *config.xml* and change the value of the `<applicationTemplatePath>` and `<frameworkTemplatePath>` nodes so that the path points to the templates you created below.

For each project that you want to import, you need the a `<project>` node. `<path>` is the file system path to the Xcode project, `<name>` is the project name, minus `.xcodeproj`

Right-click on the *XCodeMigration.java* class and select *Run As -> Open Run dialog...*

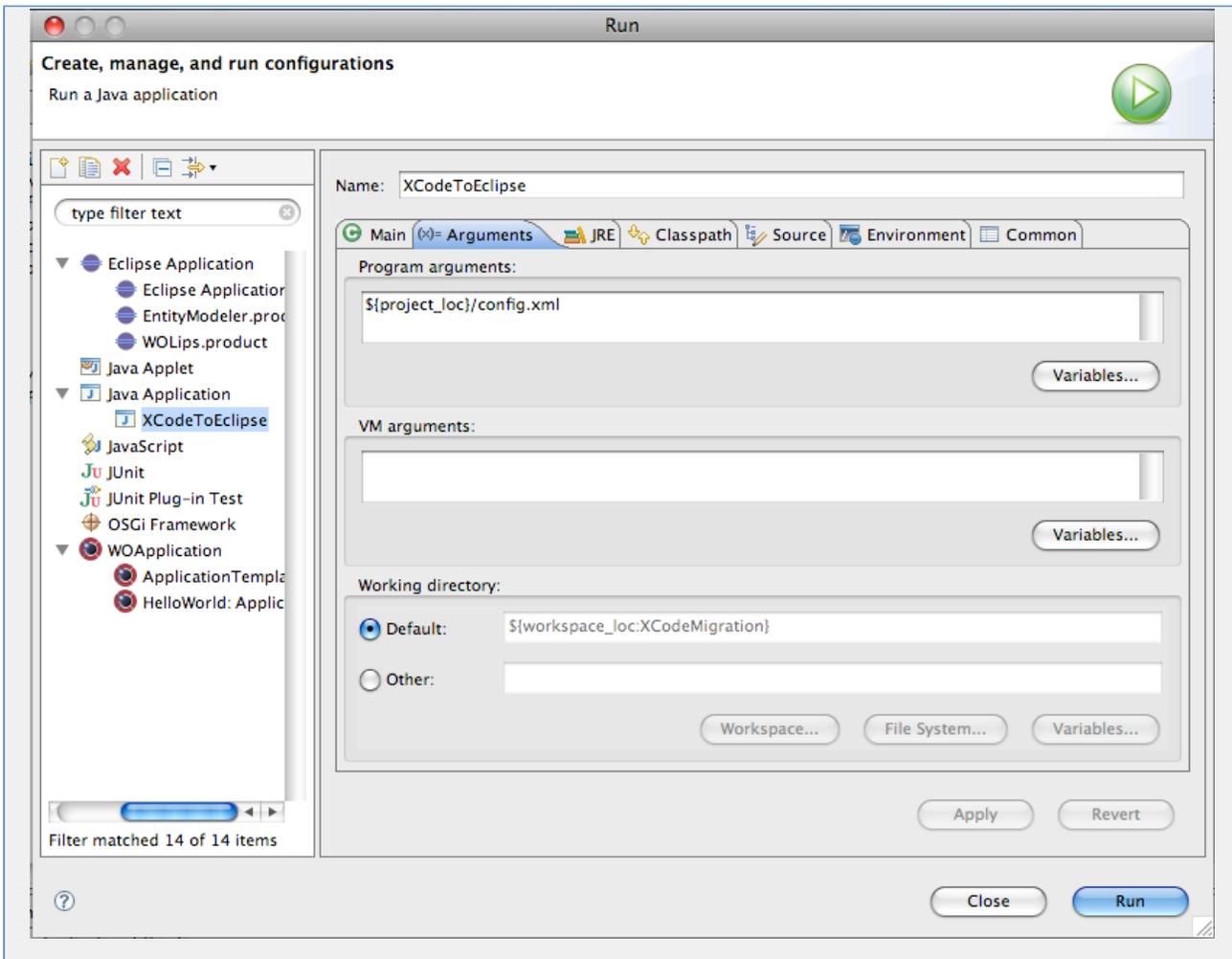


Double-click on *Java Application*.



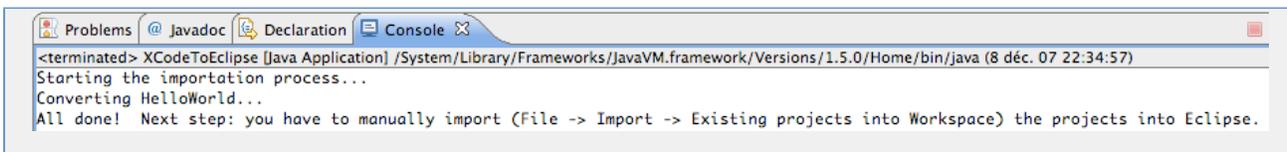
Click on the *Arguments* tab and enter this value as a *Program arguments*.

`${project_loc}/config.xml`

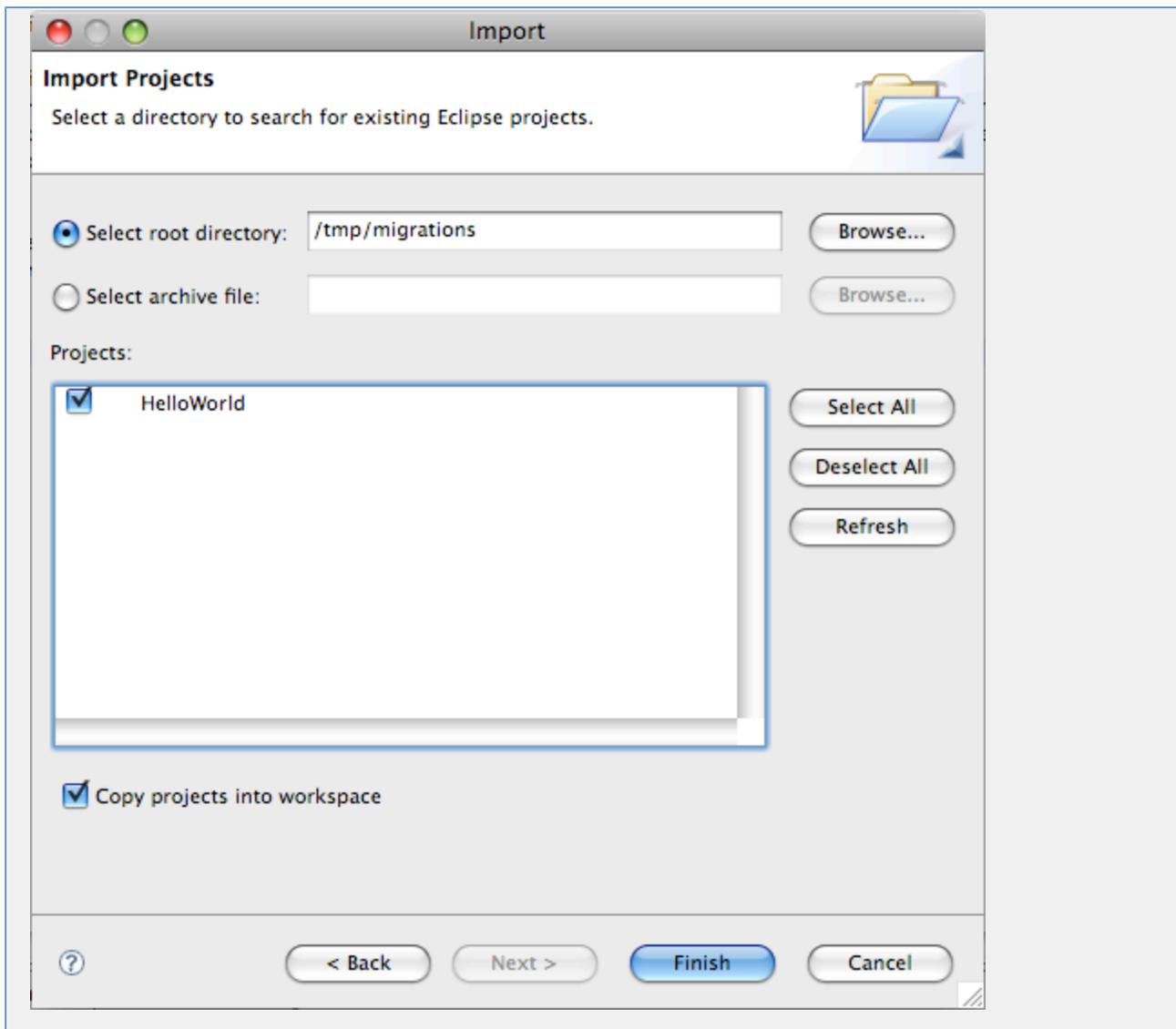


Click *Apply* and click *Run*.

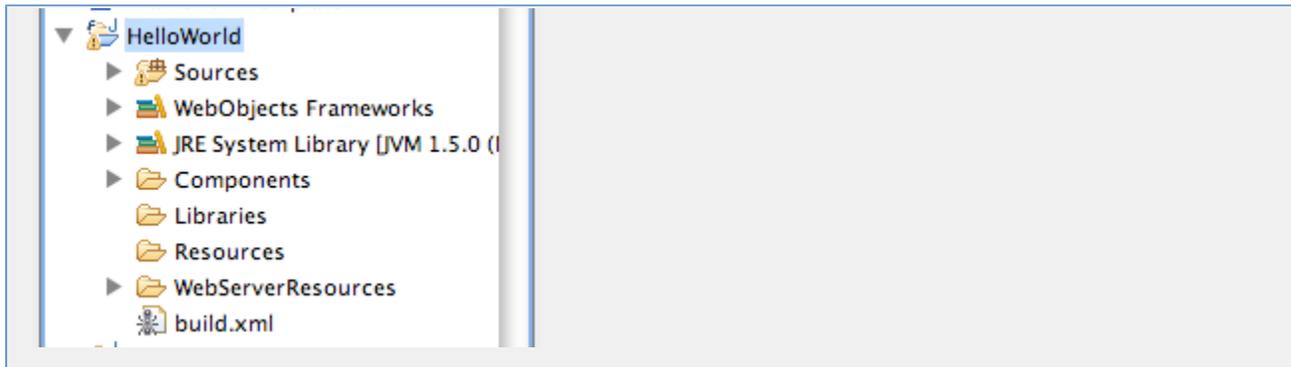
When it's running, you should see a output like this:



To import the converted projects, open *File -> Import -> Existing projects into workspace*. Click *Next*. Select *Select Root Directory* and browse to `/tmp/migrations`. You should see the list of projects that you converted.



Your converted projects will appear in the *WO Package Explorer*.



Fix all frameworks dependencies and any other build errors. It's done.

FAQ

- Q.** I can't a *Could not find working dir for project* error when I launch my converted application.
A. Make sure that, in *config.xml*, `<applicationTemplatePath>` is set to a WO application instead of a WO framework.

Q. Some of my resources are missing or in the wrong folder.

A. The tool detect files that should be marked as *Resources* by file extension or name. If a file is not a Java class or one of the file type in the *Resources* list, the file will be move to the *WebServerResources* folder instead. You just have to move the files to the *Resources* folder when needed. If you have file types who should be detected as resources, you can add the needed code in the *copyFiles* method.

Q. My application is localized and the content in the components are displaying the wrong characters.

A. If you set the `<convertToUTF8>` node to true, your Java classes will be converted from MacRoman to UTF-8, but the tool will NOT modify the .woo file so that they use UTF-8. Either you stay in MacRoman and change the value of `<convertToUTF8>` to *false*, or you will have to modify your components so that they use UTF-8.