[<< Back to Dashboard]

Refactoring ColdBox

Covers up to version 3.5.0

Contents

- Refactoring ColdBox
  - Introduction
  - Guide 1: ANT via Eclipse
  - Guide 2: Search and Replace

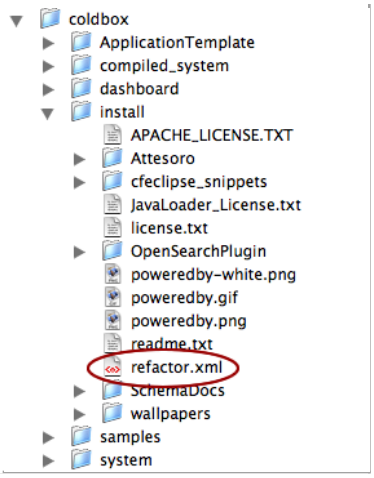
Introduction

This guide will show you how to refactor the ColdBox codebase in order for you to embed it in a distributable application or just install in another non-standard installation. In order to proceed with this guide you will need the following:

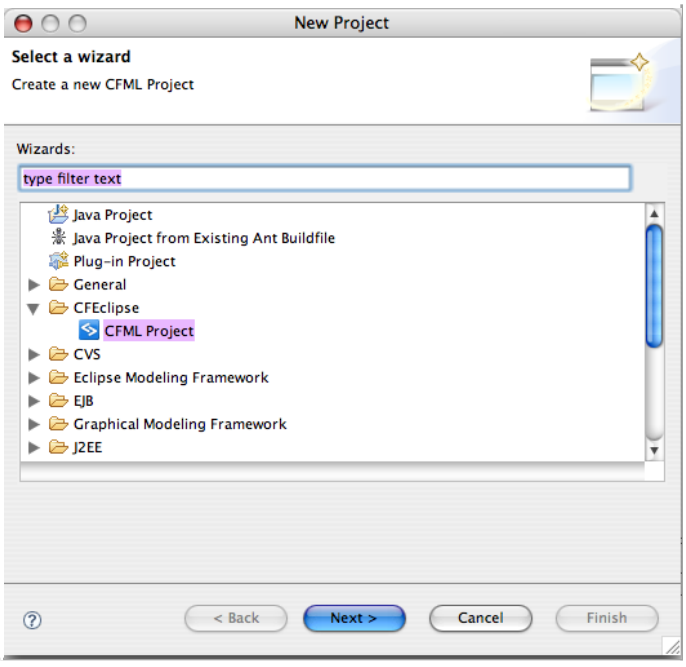
- Latest ColdBox source code
- CFEclipse, Adobe ColdFusion Builder, or any IDE that supports FIND/REPLACE
- Apache ANT

Guide 1: ANT via Eclipse

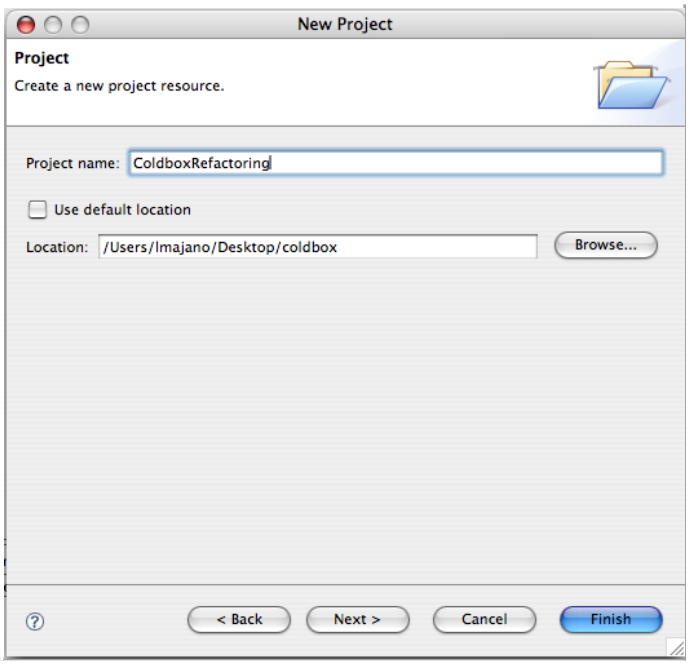
The ColdBox installation folder contains a file called **refactor.xml**. This file is an ANT task for use in refactoring the ColdBox source code. You should have a directory layout like the one shown below after downloading and extracting the latest ColdBox release:



In this sample, ColdBox has been downloaded and extracted onto the desktop, in a directory called **coldbox**. Once you have the **coldbox** folder, it's time to fire up Eclipse and create a new project. To do so, click on **File > New > Project > CFEclipse > CFML Project**



After selecting the CFML Project, choose a name for the project; in this sample it will be called **ColdBoxRefactoring**. Then select the location of the **coldbox** directory (on the desktop) and click on **Finish**.



The project is created and you can see it in your project explorer. The next step is to open the **refactor.xml** file and refer to the following screenshot, which describes two properties:

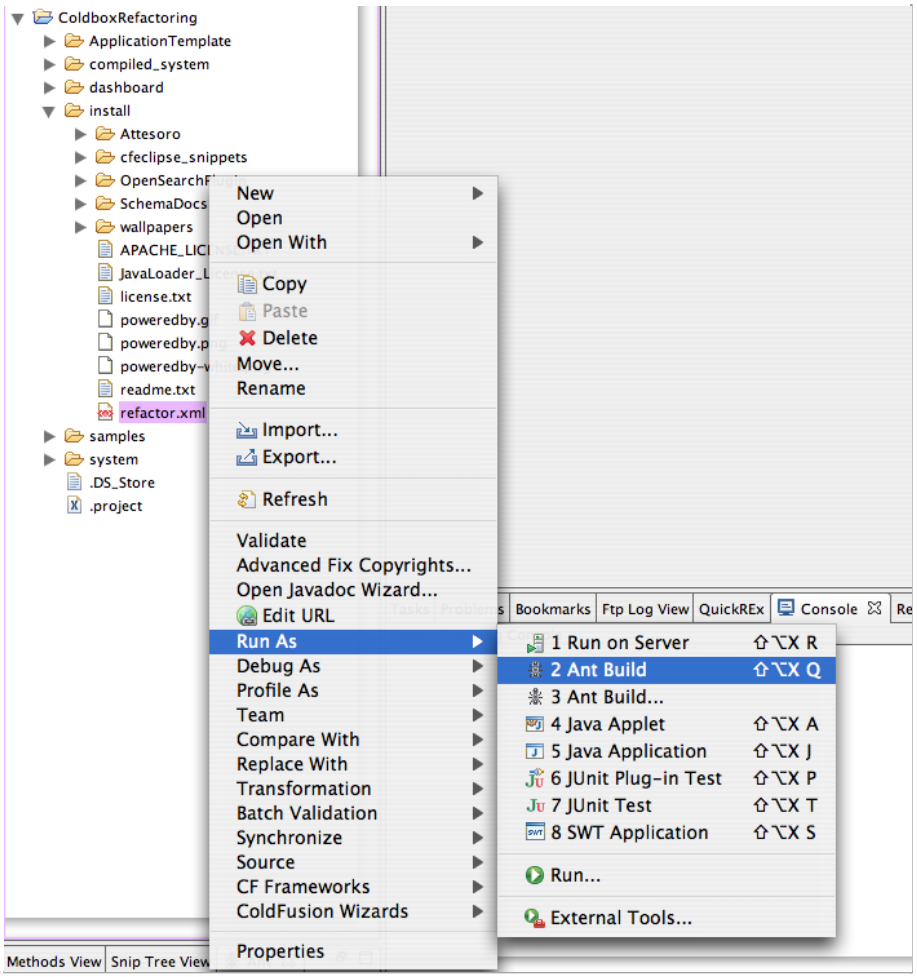
- **coldbox.system_path** : The location of the **system** folder
- **coldbox.destination** : Where to place the refactored code

```
<!-- Where the ColdBox system folder is -->
<property name="coldbox.system_path" value="${basedir}\src\system" />
<!-- Where to copy the refactored system folder -->
<property name="coldbox.destination" value="${basedir}\install\system" />
```

Now, you will need to change the properties to your liking. I mostly just change the **coldbox.system_path** to: **${basedir}\system** which matches what you downloaded. You should have something similar to the screenshot below:

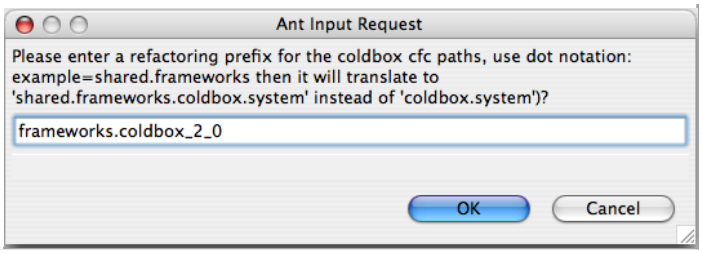
```
<!-- Where the ColdBox system folder is -->
<property name="coldbox.system_path" value="${basedir}\system" />
<!-- Where to copy the refactored system folder -->
<property name="coldbox.destination" value="${basedir}\install\system" />
```

The next step is to actually execute the **refactoring.xml** ANT Task. To do this, open the install folder and right click on the **refactor.xml** file. A context menu will appear with tons of options, look for the one called **Run As > Ant Build** Look below:

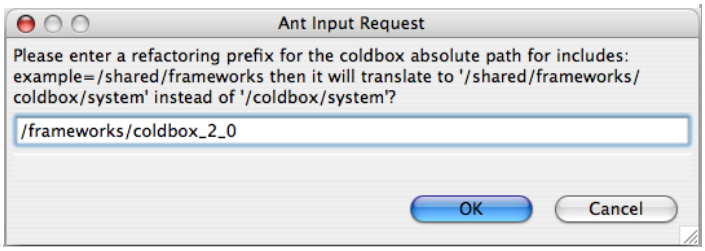


Once you click on the **Ant Build**, the task will execute and you will get a popup similar to the one below. In this popup, fill out the new prefix of the ColdBox path. The default one is **coldbox.system**, and lets say that I want the new location of the framework to be on a folder called frameworks off my root and in a directory called **coldbox_2_0**. Then I would type: **frameworks.coldbox_2_0**

Do not add a final **.** this is appended automatically.



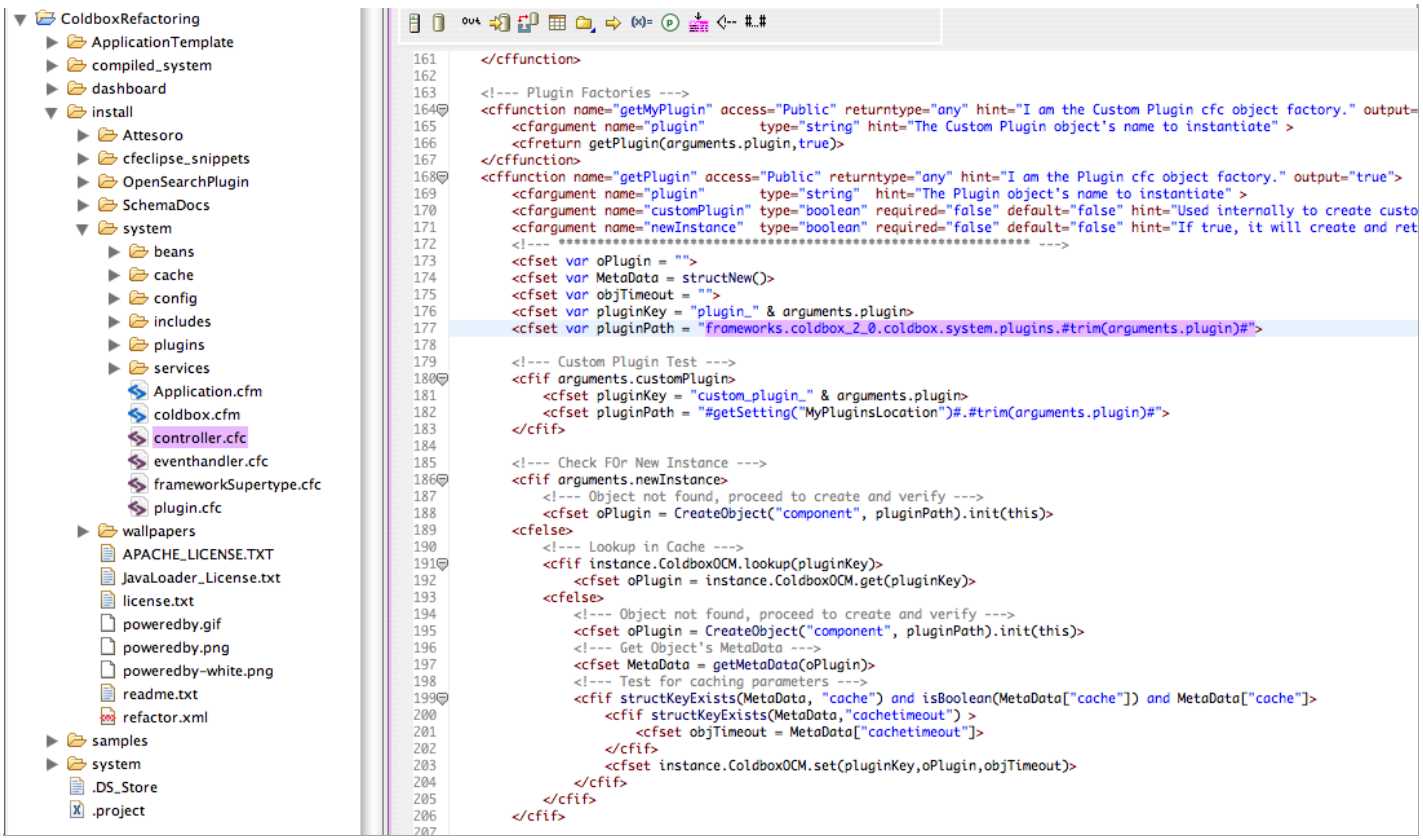
After you click ok, then you will be asked for the absolute path of the new location. In my case I enter: **/frameworks/coldbox_3_0**



Once you click the final OK, the ant task will execute and you will see the following output on the eclipse console:

```
Buildfile: /Users/lmajano/Desktop/coldbox/install/refactor.xml
do.prefix:
do.copy:
     [copy] Copying 55 files to /Users/lmajano/Desktop/coldbox/install/system
do.refactor:
     [echo] Refactoring for coldbox absolute paths
  [replace] Replaced 8 occurrences in 3 files.
     [echo] Refactoring for coldbox instantitation and cfc paths
  [replace] Replaced 50 occurrences in 36 files.
BUILD SUCCESSFUL
Total time: 13 seconds
```

This means the task executed correctly and you are ready to use the refactored code. The final screenshot below shows you the refactored system folder in the install directory and a code snapshot of some changes. ENJOY



Guide 2: Search and Replace

This guide is just a basic use of search and replace features of your favorite IDE, either Eclipse, Dreamweaver, or whatever. All you need to do is the following:

1. Search for **coldbox.system** and replace it with **{Your Prefix}.coldbox.system**
2. Search for **/coldbox/system** and replace it with **/{Your Prefix}/coldbox/system**

Enjoy your refactored ColdBox recipe!

Categories:

- level-advanced
- setup