Getting the Photran 4.0 Sources from CVS

*BEFORE YOU BEGIN: Make sure you are running **Eclipse 3.4** (Ganymede) and a **Java 5** or later JVM. We recommend the Eclipse for RCP/Plug-in Developers Package.*

Part I. Check out the CDT 5.0 sources from CVS

1. In Eclipse, switch to the CVS Repository Exploring perspective.
2. Right-click the CVS Repositories view; choose New, Repository Location
3. In the dialog box, enter the following information, then click Finish.

Host name:	dev.eclipse.org
Repository path:	/cvsroot/tools
Username:	anonymous
Password:	(no password)
Connection type:	pserver

4. In the CVS Repositories view
   - Expand ":pserver:anonymous@dev.eclipse.org:/cvsroot/tools"
   - Then expand "HEAD"
5. Right-click on "org.eclipse.cdt"
6. Select "Configure Branches and Versions..."
7. Under "Browse files for tags", expand "all", then expand "org.eclipse.cdt", then click on the .project file
8. Under "New tags found in the selected files", click on the Deselect All button, then check cdt_5_0 in the list above it
9. Click Add Checked Tags
10. Click OK
11. Now, in the CVS Repositories view
    - Expand ":pserver:anonymous@dev.eclipse.org:/cvsroot/tools"
    - Then expand "Branches"
    - Then expand "cdt_5_0"
    - Then expand "org.eclipse.cdt cdt_5_0_0"
    - Then expand "all"

12. Click on the first entry under "all" (it should be org.eclipse.cdt), then shift-click on the last entry under "all" (it should be org.eclipse.cdt.ui.tests). All of the intervening plug-ins should now be selected. Right-click on any of the selected plug-ins, and select Check Out from the pop-up menu. (Check out will take several minutes.)

13. You now have the CDT source code. Make sure it compiles successfully (lots of warnings, but no errors).

Part II. Check out the Photran sources from CVS

14. Under ":pserver:anonymous@dev.eclipse.org:/cvsroot/tools," expand HEAD, then expand org.eclipse.ptp, then expand photran

15. Click on the first entry under "photran" (it should be org.eclipse.photran-dev-docs), then shift-click on the last entry under "photran" (it should be org.eclipse.photran.xlf-feature). All of the intervening plug-ins should now be selected. Right-click on any of the selected plug-ins, and select Check Out from the pop-up menu. (Check out will take several minutes.)

The sources should all compile (albeit with lots of warnings).

Part III. Running the test cases

16. In Package Explorer view, select the `org.eclipse.photran.core.vpg.tests` project.

17. Right-click on that project and select Run As > Run Configurations.... A dialog will appear.

18. In that dialog, create a new **JUnit Plug-in Test** launch configuration. Call it "Photran-Tests".

19. For the configuration that you have just created, switch to the "Environment" tab and create a new variable called "TESTING" with a value of 1.

20. Select "Run" to run the tests. To run the tests again, just launch the "Photran-Tests" configuration from the Eclipse Run menu.

    Note. *Some JUnit tests for the parser and refactoring engine require closed-source code that is not available in CVS. A warning will appear in the JUnit runner if this code is not available.*