Getting the Photran 4.0 Sources from CVS

Last Updated 07/21/08

BEFORE YOU BEGIN: Make sure you are running ***Eclipse 3.4*** *and a* ***Java 5*** *or later JVM.*

If you already have CDT 5.0 installed and do not need to edit the CDT source code, Part I can be skipped.

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. Right-click on :pserver:anonymous@dev.eclipse.org:/cvsroot/tools, and choose Refresh Branches...
5. In the dialog box, scroll down, check the box next to org.eclipse.cdt, and click Finish. When prompted, click on Search Deeply. You will have to wait for a few minutes (possibly up to 10 minutes) for processing to complete and the dialog to disappear.
6. Now, in the CVS Repositories view
   - Expand ":pserver:anonymous@dev.eclipse.org:/cvsroot/tools"
   - Then expand "Versions"
   - Then expand "org.eclipse.cdt CDT_5_0_0"

    - Then expand “all”

7. 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.)

8. 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

9. In Eclipse, switch to the CVS Repository Exploring perspective.

10. Right-click the CVS Repositories view; choose New, Repository Location

11. Enter the following information, then click Finish:

If you are a Photran committer:	
Host name:	dev.eclipse.org
Repository path:	/cvsroot/technology
Username/passwd:	(your eclipse.org committer username and password)
Connection type:	extssh
Otherwise:	
Host name:	dev.eclipse.org
Repository path:	/cvsroot/technology
Username:	anonymous
Password:	(no password)
Connection type:	pserver

12. Expand the node for dev.eclipse.org:/home/technology, then expand HEAD (in the CVS Repositories view), then expand org.eclipse.photran

13. Check out the following projects under org.eclipse.photran:

    - org.eclipse.photran-dev-docs
    - org.eclipse.photran.cdtinterface
    - org.eclipse.photran.core
    - org.eclipse.photran.core.intel
    - org.eclipse.photran.core.vpg
    - org.eclipse.photran.core.vpg.tests
    - org.eclipse.photran.core.vpg.tests.failing

- org.eclipse.photran.errorparsers.xlf
- org.eclipse.photran.intel-feature
- org.eclipse.photran.managedbuilder.core
- org.eclipse.photran.managedbuilder.gnu.ui
- org.eclipse.photran.managedbuilder.intel.ui
- org.eclipse.photran.managedbuilder.ui
- org.eclipse.photran.managedbuilder.xlf.ui
- org.eclipse.photran.ui
- org.eclipse.photran.ui.vpg
- org.eclipse.photran.vpg-feature

(The debug and launch plug-ins are not part of Photran 4.0 and will not compile. The analysis and refactoring plug-ins have been deprecated; they do not contain any files, since that functionality is in the VPG plug-ins.)

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

Part III. Running the test cases

14. In Package Explorer view, select the `org.eclipse.photran.core.vpg.tests` project.
15. Right-click on that project and select Run As > Run Configurations... A dialog will appear.
16. In that dialog, create a new **JUnit Plug-in Test** launch configuration. Call it "Photran-Tests".
17. 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.
18. 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.*