Eclipse Plugin - Windows

This section covers installation into Eclipse, Wind River Workbench, QNX Momentics, Code Composer Studio 4, or ARM RealView Development Suite.

Prerequisites

System Requirements

- One of the following platforms:
    - Windows 2000, 2003, XP, Vista, 7, 8 (with an x86-compatible processor).
    - Windows XP x64, Vista x64, 7 x64, 8 x64, Server 2008 x64 (with an x86_64-compatible processor).
- 1.5 GHz or higher x86 processor.
- 1 GB RAM (2 GB is recommended).
- A supported compiler or cross-compiler.
    - See "Supported Environments" on page 2 for a list of supported compilers.

Choose the Proper Plug-In Architecture

- 32-bit IDEs require 32-bit C/C++test
- 64-bit IDEs require 64-bit C/C++test

Windows and Windows Server notes

- Installation and initial run must be performed by a user with Administrator privileges.
- When running C++test on Windows, you must have write access to the directory containing the testing workspace and project. Specifically, if you are using a non-Administrator account, you have to copy C++test example projects from the 'Program Files' location into the user directory and run the tests on the copied projects.
- The C++test CLI executable (cpptestcli.exe) should be executed from a directory with write access (because the working directory is the default location in which C++test generates the report after tests).
- If your machine-id is WIN32-0, remove the file located in <DRIVE>:\Users\<USER_NAME>\.parasoft\C++Test\9.x\license

IDE Requirements

- Eclipse IDE for C/C++ Developers 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.2 (32-bit) and a Java Runtime Environment (JRE) supported by Eclipse.
- Eclipse IDE for C/C++ Developers 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.2 (64-bit) and a Java Runtime Environment (JRE) supported by Eclipse.
- Wind River Workbench 2.6 or 3.0-3.3.
- ARM Workbench IDE for RVDS 3.0, 3.1, 4.0, 4.1.
- QNX Momentics IDE 4.5 (QNX Software Development Platform 6.4) or 4.7 (QNX SDP 6.5).

- Texas Instruments Code Composer Studio 4.x and 5.x.

Other Requirements

- If earlier versions of C++test are installed on your system, the latest version of C++test must be installed in a new directory.
- Additional disk space is required for C++test project data.
- The recommended Japanese language encoding is Shift_JIS (ja_JP.PCK locale on Solaris/Unix). Other encodings might cause font problems or prevent C++test from reading test results.

Installation

To install the C++test plugin on Windows:

1. In Windows Explorer, locate and double-click the self extracting archive.
2. Choose the setup language.
3. Click **Yes** when a dialog asks whether you want to install C++test.
4. Click **Yes** after you have read and agreed with the license information.
5. Choose the appropriate Eclipse/CDT target platform type, then click **Next**.
6. Enter your Eclipse installation directory, then click **OK**.
   - Choose the directory that contains the .eclipseproduct file.
7. Enter the desired destination directory for the C++test Extension files, then click **Next**.
   - If Parasoft Test 9.x Extension is not yet installed, you will be asked to select an installation directory for Parasoft Test's files.
   - If Parasoft Test 9.x Extension is already installed, C++test will be installed into it.
8. Enter the desired destination directory for the C++test Extension files, then click **Next**.
9. Close Eclipse if it is open, then click **OK** to close the dialog reminding you to close this program. C++test will then start copying files and installing the necessary files into the workbench. A dialog box with a progress indicator will open and indicate installation progress. When the installation is complete, a notification dialog box will open.
10. Click the **OK** button to close the notification dialog box.

Startup

| **Before launching C++test** |
| For C++test to autodetect compiler and makefile settings, the necessary executables (compiler/ linker, makefile, etc.) must be correctly configured. "Correctly configured" means different things for different compilers, but it typically involves ensuring that the executable is on the PATH. |

To launch the plugin:

- Launch your Eclipse-based IDE as normal.

After Eclipse is launched, you should see a **Parasoft** menu added to the Eclipse menu bar. If you do not see this menu, choose **Window> Open Perspective> Other,** select **C++test**, then click **OK**.