

Windows Standalone

This topic explains how to install the standalone version of C/C++test (which is built on the Eclipse framework) on a Windows system.

The section includes:

- [Prerequisites](#)
- [Installation](#)
- [Startup](#)
- [Licensing](#)

Prerequisites

System Requirements

- One of the following platforms:
 1. Windows 7, Windows 8, Windows 10 (with an x86-compatible processor).
 2. Windows 7 x64, Windows 8 x64, Windows 10 x64, Windows Server 2008 x64 (with an x86_64-compatible processor), Windows Server 2012, Windows Server 2016
- 1.5 GHz or higher processor.
- 4 GB RAM (8 GB is recommended).
- A supported compiler or cross-compiler.
 - See [Supported Environments](#) for a list of supported compilers.

Proper Compiler Configuration is Critical

In most cases, C/C++test needs to invoke the compiler and linker in order to perform static analysis and runtime testing tasks, which commonly involve preprocessing, compiling, and linking programs.

To access C/C++test's full functionality, the machine where C/C++test is run must have the complete development environment and compiler toolchain.

Windows and Windows Server notes

- Installation and initial run must be performed by a user with Administrator privileges.
- When running C/C++test, you must have write access to the directory containing the testing workspace and project. Specifically, if you are using a non-Administrator account, you will need to copy C/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/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\10.license.

Other Requirements

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

Alternative installation methods

For details on performing a silent installation see [Preconfiguration C++test During Installation](#).

Multi-user installations

For details on running multiple instances of Eclipse with C/C++test in parallel see [Multi-user Installations](#).

Installation

To install the standalone version of C/C++test on a Windows system:

1. In Windows Explorer, locate and double-click the self-extracting archive.
2. Click **Yes** when a dialog asks whether you want to install C++test.
3. Select the language to use during the installation.
4. Click **Next** after you have read and agreed with the license information.
5. In **Destination Location**, enter the desired installation directory for C++test's files, then click **Next**.
C/C++test Professional includes Parasoft Test components that are common across a number of Parasoft products. If Parasoft Test is not yet installed, you will be asked to select an installation directory for Parasoft Test files. If Parasoft Test is already installed, C/C++test will be installed into it.
6. Specify where you want the program's shortcuts added in the Start Menu Folder.
7. Click **Install**.

C/C++test will be installed in the specified installation directory.

Startup

Before launching C++test

For C/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 standalone, do one of the following:

- Launch the cpptest executable. Include the appropriate location (install dir) on the `$PATH` or launch it with the full path to the executable.
- Double-click the C++test desktop shortcut.

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**.

If you suspect that C/C++test is not properly installed, see [Troubleshooting and FAQs](#) for help resolving some common installation problems.

Licensing

The license is configured through the centralized licensing framework (**Parasoft> Preferences> Parasoft> Licenses**). For details, see [Licensing](#).