HCL Software

System Requirements

HCL RTist 11.3

Supported Operating Systems

- Windows 10 64-bit

- Windows 11 (64-bit)

- Windows Server 2019 (64-bit)

- Red Hat Enterprise Linux (RHEL) Workstation 7.9 or higher (x86-64)

- Red Hat Enterprise Linux (RHEL) Workstation 8.x (x86-64)

  Note: On Linux

  o   GTK3.20 or later must be used.

  o   WebKit should be used to render web pages in Eclipse. Using other browsers may lead to minor glitches in the user interface.

  o   The following 32-bit libraries need to be available: libc, libnsl, libxcrypt.

  Other operating systems on which Eclipse runs may also work, but have not been tested.

Other requirements

- [Eclipse 2022-06 (4.24) for C/C++ Developers](),

- Java Virtual Machine (JVM) version 17, such as Open JDK 17 64 bit (included with Eclipse 2022-06) or Oracle JDK 17.0 64 bit

Compilers

To compile the generated code, suitable C++ build tools are required (compiler, linker and make tool). It is recommended to use a compiler that supports C++ 11. It is however possible to set a preference to generate C++ code that doesn't use any C++ 11 constructs, and then an older C++ compiler can also be used (both for compiling generated code and the TargetRTS). However, with a non-C++ 11 compiler not all RTist features can be used. Note that the C++ compiler must have support for the long long predefined type.

Refer to the documentation of your compiler to see if it's necessary to set any special compiler flag in order to use C++ 11.

The following C++ compilers are supported and have been used for building the prebuilt versions of the Target RTS that are shipped with RTist.

- MinGW 12.2 (Windows 64 bit)

- Microsoft Visual Studio 2022, version 17 (Windows 64 and 32 bit)

- GNU 12 (Linux 64 bit)

- Clang 16[1] (Windows 64 bit)

- Clang 14[2]   (MacOS on Intel x86)

Most other C++ compilers will also work but could require modifications or re-compilation of the Target RTS.

Integrations

VxWorks

Generated code can be built into an application that can be run on the VxWorks RTOS. RTist provides a target configuration called VxWorks7T.simnt-Clang-15.x which uses a prebuilt Target RTS for building an application that can be run on the Vx-Works Simulator on Windows.

Design Room ONE
Design Room ONE is a component that provides a web server to publish your models, integrate with reporting and other lifecycle tools. It is recommended to use **Design Room ONE 2.2 2022.35** with this version of RTist. It can be downloaded from the same resource you used to get RTist.

OneTest Embedded
OneTest Embedded is a tool to profile memory and performance, analyze code coverage and visualize program execution behavior. **Integration with OneTest Embedded** allows RTist to show coverage on a model level. This version of RTist has been tested to work with **OneTest Embedded 8.3.2**. Check the this document for installation and configuration details.

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1 This version of Clang is compatible with MinGW and can be installed through the MSYS2 package mingw-w64-x86_64-clang

2 An installation of Perl is required for building with this target configuration.