Overview#

The Eclipse CDT provides the C/C++ development environment for QNX Momentics. It has the following features:

- A Project Explorer for finding files in projects
- A C/C++ Editor with:
  - keyword and identifier coloring and bracket matching
  - an Associated Outline view for navigating quickly to functions in a file
- A source code indexer that facilitates:
  - content assist in the editor
  - identifier declaration and reference searching
  - call hierarchy, type hierarchy, and include hierarchy views
- An automated build system:
  - for creating executables, and shared and static libraries
  - to optionally build based on user provided makefiles
  - with error parsers for mapping build errors to locations in source files
- Debug session visualization:
  - to provide views for variables, registers, memory, and modules
  - to provide view of threads and stack frames while session suspended
  - for navigation from stack frames to source in the editor
  - for breakpoints on source lines and functions

The CDT is developed by a number of vendors as part of the Eclipse open source project. The CDT sub-project is lead by Doug Schaefer from QNX Software Systems.

Resources#

- CDT Web Site
- Blog: Doug on the Eclipse CDT
- Webinar: CDT 4.0 - Reaching for Uberness
- Whitepaper: Getting the Most out of Eclipse CDT
- F27 integration: F27 Integration Design Doc
- Wiki: Projects,Build and IDE