

CDT 6.0 Galileo Release Review

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Features

- N&N: <http://wiki.eclipse.org/CDT/User/NewIn60>
- The Debug Services Framework has completed move to CDT and is a new component of CDT
- New heuristics to help indexer find header files in projects
- Improved Convert to C/C++ Project to factor in project types (e.g. Makefile)
- New Launch Group launch config for launching multiple sessions at once

Features, part II

- New features for embedded development
 - Remote Launch based on RSE
 - GCC Cross compiler build support
- p2 support for installing tar files for C/C++ SDKs

Non-Code Aspects

- No non-code aspects have been updated

APIs

- CDT APIs are now being managed with the Eclipse API tooling
- CDT 6.0 is a major release, however there have been only few API changes this release.
- APIs continue to be poorly documented.
- The project lead will **NOT** certify that the APIs in this release are Eclipse Quality
 - There has been insufficient investment from contributors to make this happen

Architectural Issues

- Extensibility of the CDT build system remains complicated and restrictive
 - Especially with scanner discovery
- New Debug Services Framework component gives us a second framework for debug integrations
 - Extenders will need to choose

Tool Usability

- A number of enhancements have been made to CDT usability as mentioned in new features list
- Duplicate launch configurations between two debug frameworks has been resolved satisfactorily
- Usability issues exist in Project Explorer between conflicting contributors but is being looked at
- In general, CDT usability is very good

End-of-Life

- No features have been end of life in this release.
- Both debug frameworks will co-exist for now
 - As DSF/GDB reaches feature parity with CDI/MI the door will open to deprecate CDI, but not this release

Bugzilla

- Number of bugs currently open
 - 1247
- Number of new bugs since 5.0.0
 - 1601
- Number of bugs closed since 5.0.0
 - 1561
- CDT contributors' current focus on quality is keeping our head above the water
 - Backlog remains fairly stable

Standards

- No changes here
 - CDT continues to support programming language standards
 - Support continues for gdb MI protocol “standard”

UI Usability

- IBM continues to contribute towards meeting UI standards compliance for accessibility and internationalization
 - Not many other CDT adopters have this as a commercial requirement

Schedule

- CDT continues to follow the +1 stream of the release train
- CDT jumped on at M4
- There were no missed milestones since then

Communities

- Numerous design discussions carried out in Bugzilla and on the cdt-dev mailing list
- A small number of committers continue to contribute to the newsgroup to help the user community
- CDT monthly calls continue
- CDT Summit in September 2008 held to plan for CDT 6.0.
- Blogs from Doug, Ken, Chris and others
- Participation in Demo Camps in Ottawa, Toronto, Austin and others
- Minimal attendance at EclipseCon by committers
 - There were more at Eclipse Summit Europe

IP Issues

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Project Plan

- There is no project plan for the next release of CDT
- At the moment, there are no features planned to put in a plan
- CDT planning closes in September