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

- Added index support for implicit references and overloaded operators

- Improved Convert to C/C++ Project to factor in project types (e.g. Makefile)

Features, part II

- New Launch Group launch config for launching multiple sessions at once

- 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

- Documentation has minimal updates
- Localization/externalization completed
- We nave no other user assistance material

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 guarantee this

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 lifed 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 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 Galileo 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

- EclipseCon and Eclipse Summit Europe activity continued but lower levels than previous years

IP Issues

- Doug Schaefer, CDT Project Lead, verifies:

  - that the about files and use licenses are in place as per the Guidelines to Legal Documentation

  - all contributions (code, documentation, images, etc) has been committed by individuals who are either Members of the Foundation, or have signed the appropriate Committer Agreement. In either case, these are individuals who have signed, and are abiding by, the Eclipse IP Policy.

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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