CDT 5.0 Ganymede Mini Deck

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CDT 5.0 Ganymede Features

- What's new located here:
  - http://wiki.eclipse.org/CDT/User/NewIn50
- Highlights
  - New Refactoring Engine with New Refactorings
  - Improved coverage of CDT index
    - Esp macros
  - Improved content assist, search
  - Debug catchpoints as supported by gdb
  - Mylin Bridge
  - Doxygen support

APIs

- Some effort towards finalizing APIs
  - ◆ At least intentions
- API freeze at M6 effectively managed
  - ◆ Very little API change post M6
- Quality of APIs continue to be an issue
  - ◆ Lack of public review
  - ◆ Lack of complete documentation
    - ▪ No programmers guide
  - ◆ APIs will likely continue to change in future releases
    - ▪ But also continue to be managed carefully

Architectural Issues

- CDT 3.1 indexer architecture continues to show wins
  - Now with improved accuracy with same fast performance
  - Hope to remove Full (slow) indexer next release
- Multi-language support continues to progress
  - Work on extensible parsing, AST reuse
- CDT Debug Interface/Debug Services Framework
  - DSF continues to mature
  - Work still require to fully integrate the two (esp. launch)
- Build architecture quality remains elusive
  - Lots of new work in 4.0, but still some quality issues
  - Need to take a clean look next release
    - In conjunction with flexible resource model

Communities

- Volume of adopters continues to grow
  - More activity on the cdt-dev list from new players
- User community support improved
  - Handful of committers helping on newsgroup
- Committer community
  - 18 "active" committers, 2 "participating", 3 "inactive"
  - Most committers part time at varying levels
  - Intel announced withdrawal of committers post 5.0 :(

Project Plan

- Next Release – CDT 5.1

- Proposed Features
  - ◆ Tighter integration of DSF into CDT
  - ◆ Unification of Launch Configs
  - ◆ Improve Build System Architecture
    - ▪ Including Scanner Discovery

- CDT Summit
  - ◆ Sept 22-24
  - ◆ CDT 5.1 Plan to be finalized