CDT Fall Summit 2007

Aren't we done yet?

Where have we been?

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From: "John Duimovich" John_Duimovich@oti.com
Newsgroups: eclipse.tools.cdt
Subject: [ANN] – CDT project changes
Date: Fri, 7 Jun 2002 17:20:34 –0400


The Eclipse Tools PMC is pleased to announce some
exciting developments to the CDT project hosted on
eclipse.org. First, QNX will be contributing some C/C++
core technology from their recently announced product to
eclipse.org. We believe that this will enhance the value
of the technology hosted on eclipse.org and bring some
industrial strength technology into the CDT project.
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The First Summit, July 2002 – QNX Headquarters

CDT Summits

- CDT 2.0 Kickoff – Nov 12, 2003 – IBM Headquarters
- EclipseCon 2004 BOF – Feb 3, 2004 – Disneyland
- EclipseCon 2005 BOF – Mar 2, 2005 – Burlingame
- CDT Fall Summit 2005 – Oct, 2005 – QNX Headquarters
- Post-EclipseCon 2006 – Mar 2006 – Intel Santa Clara
- CDT Fall Summit 2006 – Sept 2006 – QNX Headquarters
- EclipseCon 2007 – Mar 2007 – Santa Clara
- CDT Fall Summit 2007 – Sept 2007 – Ottawa

CDT Releases

- CDT 1.0 – Nov 5, 2002
- CDT 1.1 – May 16, 2003
- CDT 1.2 – October 16, 2003
- CDT 2.0 – July 2, 2004
- CDT 2.1 – Dec 22, 2004
- CDT 3.0 – Aug 16, 2005
- CDT 3.1 – June 26, 2006
- CDT 4.0 – June 29, 2007
- CDT Ganymede – June 27, 2008

Where are we today?

- CDT 4.0 out the door
  - 370 bugs fixed
    - Compared to 224 for 3.1
  - 320,000 downloads of Eclipse C/C++ IDE
    - 76% Windows, 20% Linux, 3% Mac

- CDT 4.0.1 about to be released
  - 206 bugs fixed!
    - Compared to 68 for 3.1.1

- 1121 Open Bugs

CDT Project Stats

- http://www.ohloh.net/projects/3504

- http://dash.eclipse.org/dash/commits/web-app/active-committers.cgi?project=tools.cdt

CDT Scope

- What's in
  - Edit, Navigate, Build, Debug

- What's not?
  - Toolchain, debugger, SDKs (i.e. an IDE)

  - Unit Test?

  - Profiling support?

  - Doxygen integration?

  - Plug-in development – JNI

  - Educational materials

CDT Demo

Introductions

- Who are you?

- What is your interest in the CDT

- What have you contributed to the CDT

- What would you like to talk about this week

I'll go first

- Who am I?
    - Doug Schaefer, CDT Project Lead, QNX Software Systems
- What is my interest in the CDT?
    - Core component of QNX Momentics IDE
    - As project lead, need to ensure healthy community
- What have I contributed to the CDT?
    - Helped start work on C++ parser,
    - Started PDOM
    - Focus on content assist, open declaration
    - MinGW toolchain
    - GDB Hardware Debugging

My agenda items

- Presentations
    - Bugzilla Etiquette

    - Testing

    - Wascana

- Other areas I'd like to see discussed
    - API management

    - Supporting add/remove file using EFS

    - Proper handling for Cygwin (EFS, Source Lookup)

    - Docs

Agenda Items

- DSF integration with CDT
  - Co-existence with CDI
- Breakpoints
- Ganymede Project Plan
- Integration with Target Management – Remote Systems
- Usability
- Remote build
- Remote development – remote projects - toolchains
- Multi-core support
- More generic support for debuggers – less embedded

Agenda Items

- Managed build

- Scalability

- Indexing/parsing performance

- New parsers

- Refactoring – AST/Parser improvements

- UPC Parser

- Multi-language support

- Scripting with breakpoints

- Tracing/Profiling

- Markus

Agenda Items

- Adoptability

- GUI building

- Project Model & Build

- New user introduction

- DSF GDB/MI Demo

- Autotools integration

- How to pick your debug integration – CDI, DSF, Flexible Hier.

- Debug

- Build

- Core – parser, indexer

- Remote Development

- Code Camp

- Project management
  - Bugzilla
  - Testing
  - Ganymede Plan
    - Branching
  - API Management
    - SDK documentation
  - Contribution
  - Guidelines

- SSID: cdtsummit
- WEP: eclipse_cdt07