Device Debugging DSF, MI, and GDB components Move Review

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Reasons for Move

- DSF framework is a new generation API for integrating debuggers with Eclipse. This new framework will allow CDT users to develop more feature rich and more efficient debuggers.

- GDB and MI components are the exemplary implementation of the DSF framework. They support the latest features in GDB (non-stop and multi-process debugging), which are not supported by the existing GDB integration in CDT.

- For both of these technologies, moving to the CDT project will increase their exposure to end users and allow more developers to contribute to it.

Move Plan - Components

- Three components will be moved out of the DSDP/DD project:
    - DSF
    - MI
    - GDB
- Two corresponding components will be created in the CDT project. These components were agreed to during the last CDT Summit (http://wiki.eclipse.org/CDT/summitfall2008).
    - DSF
    - DSF-GDB (combining MI and GDB)

Move Plan - Committers

- ## DSF component
  - Pawel Piech (Wind River)
  - Marc Khouzam (Ericsson)
  - Randy Rohrbach (Wind River)
  - Ted Williams (Wind River)
  - Anton Leherbauer (Wind River) – Already a committer on CDT project

- ## MI and GDB components
  - Pawel Piech (Wind River)
  - Marc Khouzam (Ericsson)
  - Francois Chouinard (Ericsson)
  - Randy Rohrbach (Wind River)

Move Plan - CVS

- Main directory for DSF, MI, and GDB components is: /cvsroot/dsdp/org.eclipse.dd.dsf. The corresponding directory in CDT will be /cvsroot/tools/org.eclipse.cdt-dsf. The plugins, features, and tests sub-directories would be maintained.

- Plugins and features are to be renamed as follows
  - org.eclipse.dd.dsf -> org.eclipse.cdt.dsf
  - org.eclipse.dd.dsf.ui -> org.eclipse.cdt.dsf.ui
  - org.eclipse.dd.dsf.debug -> org.eclipse.cdt.dsf (combine)
  - org.eclipse.dd.dsf.debug.ui -> org.eclipse.cdt.dsf.ui (combine)
  - org.eclipse.dd.mi -> org.eclipse.cdt.dsf.gdb
  - org.eclipse.dd.gdb -> org.eclipse.cdt.dsf.gdb (combine)
  - org.eclipse.dd.gdb.ui -> org.eclipse.cdt.dsf.gdb.ui
  - org.eclipse.dd.examples.dsf -> org.eclipse.cdt.examples.dsf
  - org.eclipse.dd.examples.pda -> org.eclipse.cdt.examples.pda
  - org.eclipse.dd.examples.pda.ui -> org.eclipse.cdt.examples.pda.ui
  - org.eclipse.dd.doc.dsf -> (contents moved to web site)
  - org.eclipse.dd.tests.dsf -> org.eclipse.cdt.tests.dsf
  - org.eclipse.dd.tests.gdb -> org.eclipse.cdt.tests.dsf.gdb
  - org.eclipse.dd.sdk-feature -> org.eclipse.cdt.dsf-feature
  - org.eclipse.dd.gdb-feature -> org.eclipse.cdt.dsf.gdb-feature
  - org.eclipse.dd.gdb_launch-feature -> org.eclipse.cdt.dsf.gdb-feature (combine)
  - org.eclipse.dd.dsf.examples-feature -> org.eclipse.cdt.dsf.examples-feature
  - org.eclipse.dd.dsf.tests-feature -> org.eclipse.cdt.dsf.tests-feature

Move Plan - Bugzilla

- Open and relevant bugs in DSDP/DD will be moved to the Tools/CDT project. The bugzilla components map as follows:
    - DSF -> DSF
    - MI -> DSF-GDB
    - GDB -> DSF-GDB (combine)
- Resolved bugs will remain in the DD project for reference.

Move Plan – Web Site

- New and noteworthy for DD 1.1 will be copied to the CDT web site for reference.

- Tutorials currently in the org.eclipse.dd.doc.dsf plugin will be moved to the CDT web site.

Move Plan - Wiki

- **Bugzilla Process**

  - DD has a more stringent process for managing bugs than CDT. As part of the move, the CDT bug process will be updated with what was agreed to during the last CDT summit: http://wiki.eclipse.org/CDT/summitfall2008.

  - DD bug process page will be copied to CDT Wiki and updated.

- **Testing Process**

  - DD includes a manual test plan and log of tests performed at each milestone. The manual test plan for relevant components will be copied to CDT and a Test Signup page will be created in CDT Wiki.

IP Issues

As per the Eclipse IP Policy, the project verifies that:

- ... the about files and use licenses are in place as per the Guidelines

- ... all contributions (code, documentation, images, etc) have been committed by individuals who are Members of the Foundation and are abiding by the Eclipse IP Policy (training through Committer HOWTO)

- ... all significant contributions have been reviewed by the Foundation's legal staff – even if written by committers prior to joining Eclipse

- ... third-party libraries, have been documented in the release and reviewed by the Foundation's legal staff

- ... all contribution questionnaires have been completed

- ... the "provider" field of each plug-in is set to "Eclipse.org"

- ... the "copyright" field of each plug-in is set to the copyright owner

- See the IP Log at http://www.eclipse.org/dsdp/dd/development/dd-to-cdt_move_ip_log.html