



PTP 3.0 Release Review

Nov 24, 2009



Agenda



- New Features
- Non-Code Aspects
- APIs
- Defects
- Schedule
- Process
- Community
- IP Issues
- Project Plan

New Features



- Updated Eclipse support
 - Eclipse 3.5
 - CDT 6.0 (6.0.2)
 - RSE 3.1
- Resource managers
 - Support for SLURM and PBS (prototype)
 - Support for OMPI 1.2 - 1.4
 - Support for MPICH2 1.0.6 - 1.0.8
 - No proxy required for OMPI and MPICH2
 - Debugging support for MPICH2 and PE

New Features (cont...)



- PTP Runtime UI
 - Jobs list view
 - Console output view
 - Properties view works for UI elements
- Service configurations
 - Now used by resource managers to save configuration
 - Used by remote projects to save index/build configuration
 - Can be imported/exported
- Remote development tools
 - New remote project wizard
 - Automatic launching of RDT server
 - Managed and unmanaged projects

New Features (cont...)



- External Tools Framework (previously the performance tools framework)
 - Use external, command line based development tools from within eclipse.
 - Design Eclipse UIs for external tools using simple xml documents
 - Augment basic external tools integration with Eclipse plugins
 - Create workflows for software development operations using series of build, launch and processing steps.
 - Distribute expert-generated tool workflows between users in xml format
 - Includes full integration of TAU performance analysis system

New Features (cont...)



- Photran 5.0
 - First release of the Fortran Development Tools
 - Fully featured Fortran IDE
 - Uses many of the features provided by CDT
 - Adds Fortran parser and AST
 - Fixed and free form Fortran editors
 - Managed/unmanaged projects
 - Mixed C/C++/Fortran projects
 - Advanced refactorings in addition to rename and extract subroutine

Non-code Aspects



- User documentation:
 - <http://eclipse.org/ptp/doc.php>
 - <http://wiki.eclipse.org/PTP/photran/documentation>
- Release plan:
 - <http://wiki.eclipse.org/index.php/PTP/planning/3.0>
- Release notes:
 - http://wiki.eclipse.org/PTP/release_notes/3.0
- Design documentation:
 - <http://wiki.eclipse.org/PTP/designs>
- Test plan:
 - <http://wiki.eclipse.org/PTP/testing/3.x>
- FAQ
 - <http://eclipse.org/ptp/faq.php>

APIs



- New 3.0 interfaces are Eclipse quality
- Version numbers incremented from 2.1 to 3.0
- Internal APIs marked as such

Defect Statistics



- 96 bugs opened
- 81 bugs resolved/closed
- 14 new bugs
- 1 P1 bug outstanding

Schedule



- Final release date November 30, 2009
 - M1 - Oct 9
 - M2 - Oct 16
 - M3 - Oct 23
 - M4 - Oct 30 (actual Nov 2)
 - M5 - Nov 6 (actual Nov 9)
 - RC1 - Nov 13 (actual Nov 14)
 - RC2 - Nov 20 (on track)
 - GA (on track)

Process



- This release has been developed using open, transparent, and inclusive processes
- This release has followed its charter principles
- The PTP project makes appropriate use of
 - Bugzilla
 - Mailing lists (ptp-announce@eclipse.org, ptp-dev@eclipse.org, ptp-user@eclipse.org, photran@eclipse.org, photran-dev@eclipse.org)
 - Regular, monthly, conference calls
 - Wiki (<http://wiki.eclipse.org/PTP>)

Process (cont...)



- There were five committer elections during the 3.0 release cycle
 - Mike Kucera
 - Vivian Kong
 - Timofey Yuvashov
 - Kurt Hendle
 - Greg Watson (elected to Photran)
- Committer rights expired for four committers
 - Daniel Ferber
 - Kam Man Chu
 - Mikhail Sennikovskiy
 - Brian Foote
- One past committer was granted Emeritus status

Community



- Monthly developer meetings
 - Every second Tuesday of the month
- Tutorials:
 - SC 2009, Portland, OR
 - Cluster 2009, New Orleans, LA
 - OSCON'09, San Jose, CA
- BOFs:
 - SC 2009
- Demos:
 - NCSA, SC2009
 - UIUC, SC2009
 - IBM, SC 2009

IP Issues



- All plugins contain appropriate about and license files
- All contributions (code, documentation, images, etc) have 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
- Major contributions have followed due diligence process
- All non-committer code contributions, including third-party libraries, have been documented in the release and reviewed by the Foundation's legal staff
- All contribution questionnaires have been completed
- IP Log available at
 - http://www.eclipse.org/projects/ip_log.php?projectid=tools.ptp

Project Plan



- Project plan available at:
 - <http://wiki.eclipse.org/index.php/PTP/planning/3.0>

Communication Channel



- The communication channel for the review should be the following mailing list:
 - ptp-dev@eclipse.org