



Mylyn 3.4 Release Review

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Planned Review Date: June 11, 2010, 8am PT
Communication Channel: mylyn-dev@eclipse.org

Introduction



- In order to keep up with its rate of adoption, the Mylyn project is continuing to evolve APIs for Application Lifecycle Management (ALM) tools. Since its inception, Mylyn has released multiple times per annual release cycle, and is continuing to do that for Indigo.
- The first goal of Mylyn is to make task and context management seamlessly integrated with the Eclipse Platform by providing rich and extensible frameworks for task repository connectors, structure bridges and team support. The second goal is to provide a reference implementation of the Task-Focused UI for the Eclipse SDK. This includes structure bridges for the artifacts supported by the SDK which include Java, PDE, Ant and generic files. It also includes the Bugzilla Connector as the reference task repository implementation, and CVS integration as the reference team support. Additional features can be considered based on the availability community contributions and resources.
- Note that Mylyn is undergoing a restructuring process that will take effect post-Helios. For details see [bug 304957](#).

New Framework Features



- Task Editor
 - The integration for opening attachments in the workbench has been improved.
 - The editor has a quick outline for quick keyboard navigation.
- Task-Focused Interface
 - Resource exclusion filtering now supports ant patterns and ignores resource changes based on modification times.
- Task List
 - The scheduled presentation now shows incoming and outgoing tasks.
- Discovery
 - The discovery component has moved to the p2 project.
- WikiText
 - WikiText generates integrated Eclipse Help from a set of MediaWiki pages, enabling a crowdsourcing approach to documenting Eclipse features.

New Connector Features



- Bugzilla
 - Bugzilla 3.6 is supported.
 - Hyperlink detection has been extended to support additional patterns.
 - Attachment flags can be modified from the Task Editor.

Non-code aspects (Unchanged since 3.1)



- Localization/externalization
 - The code base has been externalized for Mylyn 3.1.
 - Mylyn is now available for translation via Eclipse Babel.
- User documentation
 - Eclipse help content that is generated from the Wiki has been added for Mylyn 3.1.
 - The webinar on Mylyn 3.0 is the most viewed webinar on Eclipse Live.
 - The web site has been restructured for easier access to Downloads, Support and Getting Started documentation.
- Developer documentation
 - Wiki-based Contributors Guide
 - Wiki-based Integrators Guide

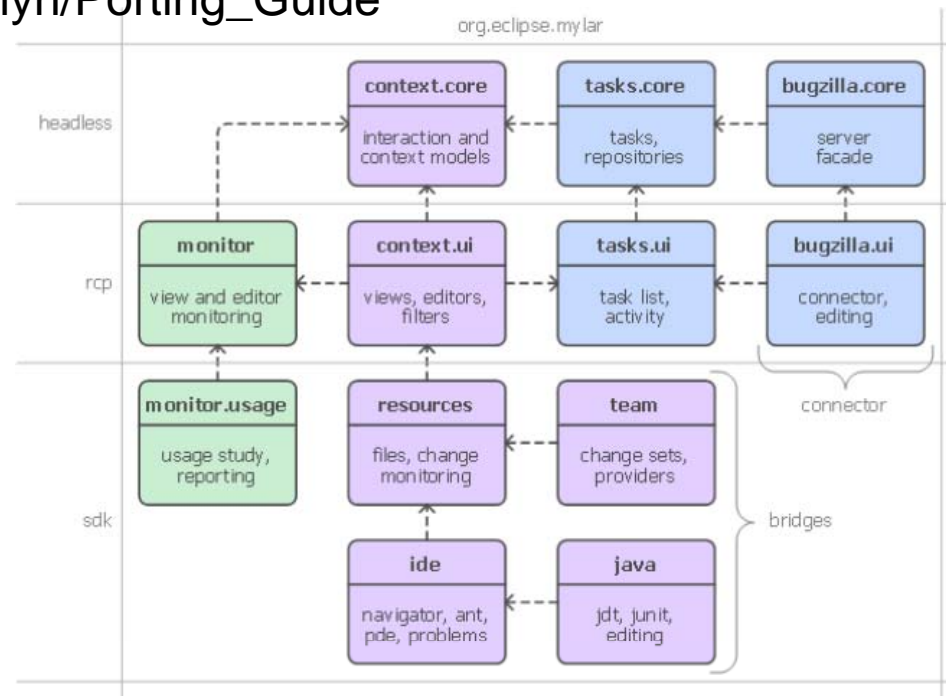
APIs (Unchanged since 3.2)



- No breaking API changes from 3.0
- APIs are consumed by 3rd parties who provide regular feedback
- All API changes are tracked in Bugzilla on bugs tagged as [api]
 - Notes on API additions since Mylyn 3.0:
http://wiki.eclipse.org/Mylyn/Porting_Guide

Frameworks:

- Commons API
- Context API
- Tasks API
- Monitor API
- Team API
- WikiText API



Architectural Issues (Unchanged since 3.3)



- For Mylyn 3.3 pooling of network connections has been fixed which uncovered connection leaks in several connector implementations.
- For Mylyn 3.1 processing of resource change events has been optimized to avoid a negative impact on performance when rebuilding large workspace while a task is active.
- For Mylyn 3.1 scheduling rules and locking for concurrently running jobs have been reviewed and problems were addressed.
- For Mylyn 3.0 API tooling was adopted and API baselines have been made available for download.
- For Mylyn 2.3 a new kind of bundle activator for the Task-Focused UI was created and all known issues with startup concurrency, performance and laziness were addressed.

Tool Usability (Unchanged since 3.0)



- Maturity
 - Constant stream of stable releases
 - Bundled as part of EPP distributions
 - Committers work from HEAD, contributors from weekly builds, community from milestone releases
- User feedback says it best
 - "...arguably the most productivity-enhancing idea since background compilation and all of the things that enables (namely refactoring and syntax highlighting). I just don't know how I ever was able to read and understand the Eclipse sources (or the sources of other large projects I've worked on) before Mylar, it's just that good." (David Orme)
 - "I would like to commend you on this very good tool. It has increased my productivity by 3 folds - no kidding..." (Deepak Devje)

End-of-Life



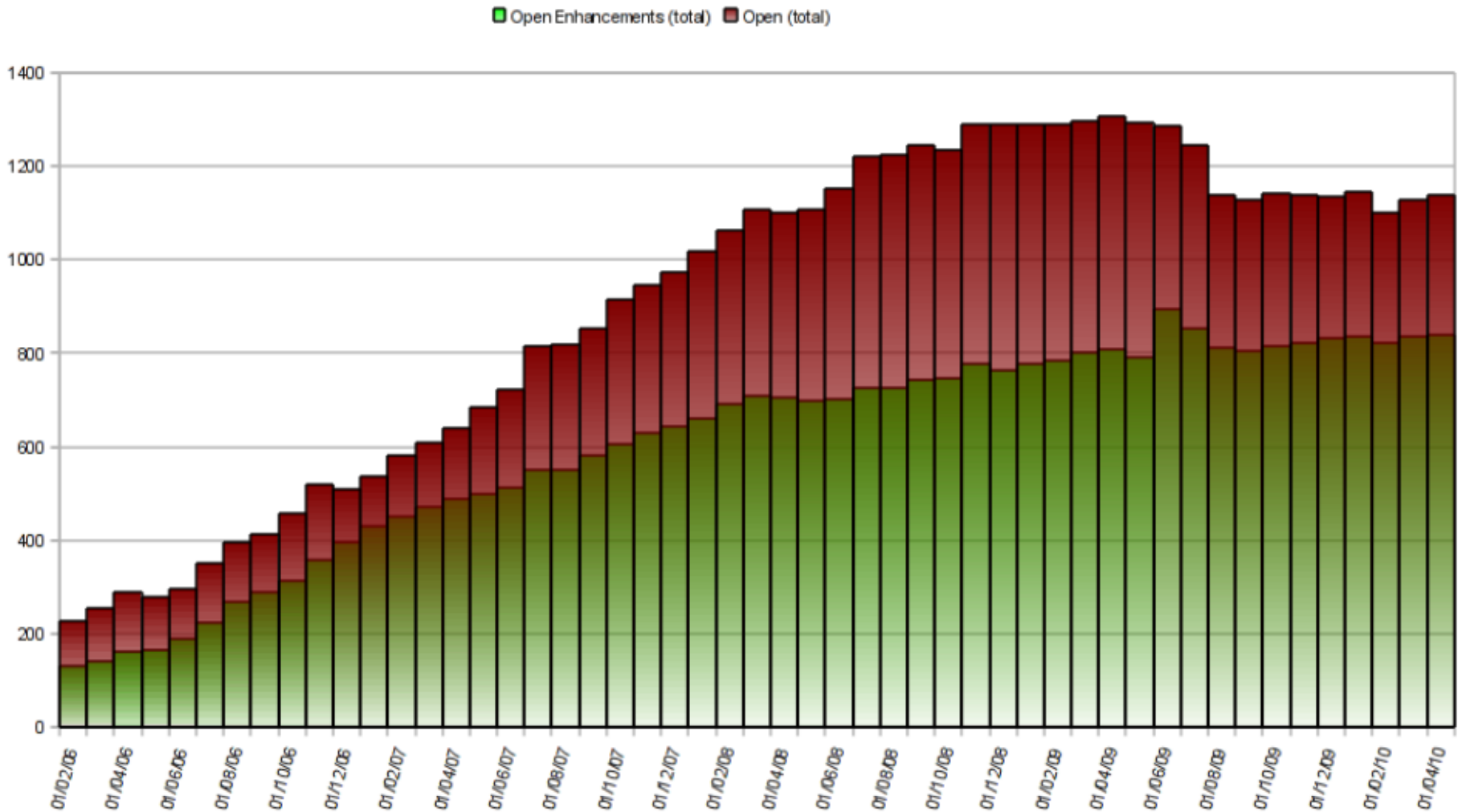
- Mylyn 3.4 support Eclipse 3.6, 3.5 and 3.4 from HEAD.
 - The JIRA Component has moved to Atlassian.
- Mylyn 3.3 supports Eclipse 3.6M2, 3.5 and 3.4 from HEAD. Support for Eclipse 3.3 has ended.
- Mylyn 3.2 supports Eclipse 3.5 and 3.4 from HEAD and Eclipse 3.3 via a separate branch.
- Mylyn 3.1 is in maintenance and supports Eclipse 3.4 and 3.3 via separate branches.
- All Mylyn 3.0 streams have reached end-of-life
- All Mylyn 2.0 streams have reached end-of-life.

Bugzilla



- Bugs resolved
 - Mylyn 3.4 (June 23, 2010): 165 (as of May 28, 2010)
 - Mylyn 3.3 (Oct. 26th, 2009): 166
 - Mylyn 3.2 (June 24, 2009): 333
 - Mylyn 3.1 (March 4, 2009): 431
 - Mylyn 3.0 (June 25, 2008): 493
 - Mylyn 2.3 (Feb. 27, 2008): 158
 - Mylyn 2.2 (Dec. 19, 2007): 201
 - Mylyn 2.1 (Sep. 28, 2007): 120
- Contributions
 - 15 contributions were merged for Mylyn 3.4

Community



Standards (Unchanged since 3.1)



- Mylyn requires J2SE 1.5, provides warning if installed on 1.4
 - Key driver for using 1.5 was the benefits of generics-aware APIs
- Mylyn WikiText supports the following markup languages: Confluence, MediaWiki, Textile, TracWiki and Twiki.

UI Usability (Unchanged since 2.1)



- Accessibility
 - No review for this release, but following accessibility guidelines
 - <http://www.eclipse.org/articles/Article-Accessibility/index.html>
- Follow the User Interface Guidelines
 - Focus on consistent visual design, UI elements, icons
 - http://wiki.eclipse.org/index.php/User_Interface_Guidelines
- Validated UI usability with field study
 - For details see:
<http://kerstens.org/mik/publications/2006-11-mylar-fse.pdf>
 - Mylyn Monitor is being used to gather usage feedback:
<http://mylyn.eclipse.org/monitor/upload/UsageAnalysisServlet>

Schedule



- Project plan: <http://www.eclipse.org/projects/project-plan.php?projectid=tools.myllyn>

Release	Date	Platform Release	Notes
Mylyn 3.4	June 23, 2010	Eclipse 3.4.2, 3.5.2 and 3.6	
Mylyn 3.4.1	September 25, 2010	Eclipse 3.4.2, 3.5.2 and 3.6.1	Helios SR1
Mylyn 3.5	October, 2011 (tentative)	Eclipse 3.5.2, 3.6.1 and 3.7M2	
Mylyn 3.4.2	February 25, 2011	Eclipse 3.4.2, 3.5.2 and 3.6.2	Helios SR2
Mylyn 3.6	June, 2011 (tentative)	Eclipse 3.5.2, 3.6.2 and 3.7	

Communities(1) (Unchanged since 3.1)



- Users
 - Lively community on newsgroup and bug reports
 - Articles and blogs by community members
- Developers
 - Contributor documentation on Eclipsepedia
 - Lively community on mylyn-dev and bug reports
- Integrators
 - Integrator documentation on Eclipsepedia
 - Separate mylyn-integrators mailing list removes need for integrators to watch the higher-traffic mylyn-dev
 - Specific discussions on “[connector]” and “[bridge]” bug reports, as well as “manage integration with Foobar” bug reports

Communities(2) (Unchanged since 3.1)



- Committers
 - 3 new committers since June 2008
- Summer of Code
 - Mylyn participated in Summer of Code 2008
 - Steffen Pingel mentored Jingwen Ou who integrated rich wiki markup editing with the Task Editor.

IP Log



- The IP Log is kept updated by committers as contributions are applied.
 - <http://www.eclipse.org/mylyn/doc/mylyn-iplog.csv>
- The adoption of the automatic IP log has been postponed until the move review has been completed.

IP Issues



- None.

Release review version



- These slides are based on the following version of the Release review document
 - Version 032 – January 15, 2006