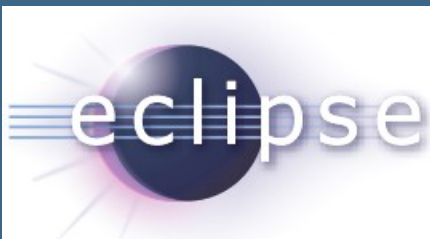


Subversive Helios Review

Review date: 11 June 2010



Presentation prepared by: Igor Vinnykov (Polarion Software)
Send your feedback to: subversive-dev@eclipse.org

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Introduction

- Subversive is an Eclipse Team Provider for Subversion (SVN)
- Subversive is Technology sub-project in Incubation phase:
 - Project home: www.eclipse.org/subversive
 - Project has been active since March 2005
 - Project proposal at eclipse.org was published in June 2006
 - Subversive migrated to eclipse.org and Incubation phase started in November 2007
 - Subversive is a part of the Helios Simultaneous Release



Features

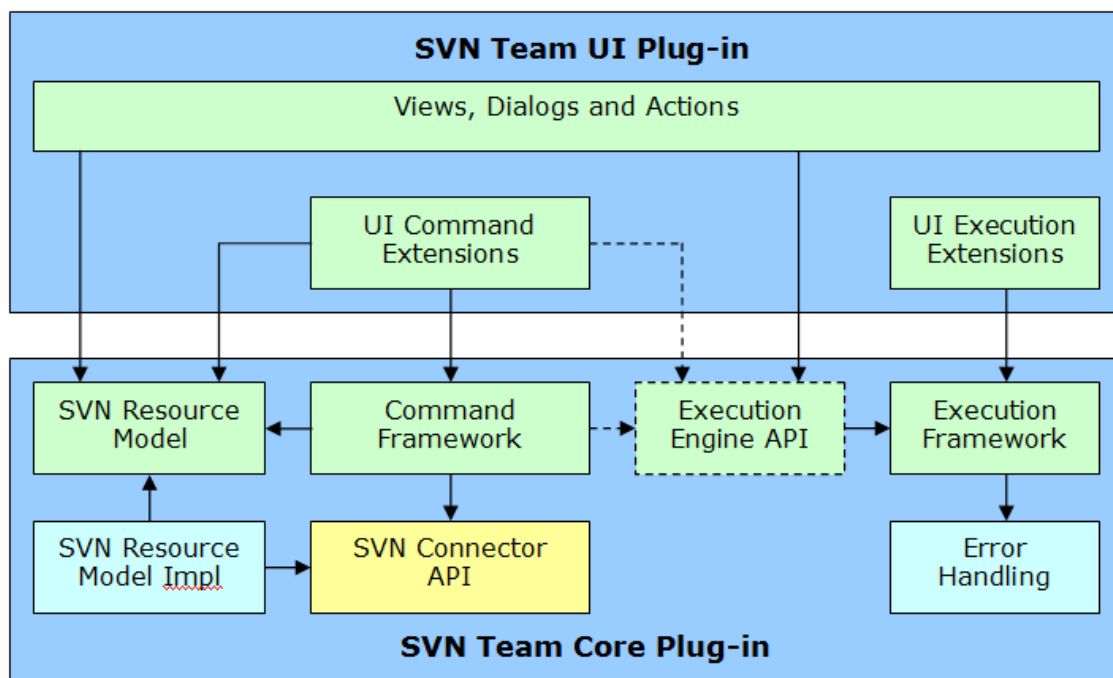
- SVN Connectors Discovery:
 - Simplify the process of finding and installing SVN Connectors
- Lock Files:
 - List all locked files in a project
 - Add SVN Locks view
- Secure Storage:
 - Use Equinox secure storage
- SVN externals:
 - Add dialog to create external resource
 - Correctly support externals in actions
 - Support spaces in local path in svn:externals
- Revision Links
 - Add ability to specify comments for revision links
- Properties:
 - Extend SVN Info properties
- Revision Graph:
 - Display revision graph for resource
 - Allow to manage repository caches
- Support reading svn-pde-plugin compatible map files
- Support reading Subclipse generated project-set files
- Make more precise statuses in Commit dialog
- Filter JVM properties when creating Mylyn task



Non-Code Aspects

- User documentation:
 - Documentation is a part of Subversive distribution and is automatically integrated into Eclipse help
 - Available on site: <http://www.eclipse.org/subversive/documentation/index.php>
- Developer documentation:
 - Architecture review, list of extension points and integration examples available on site: <http://www.eclipse.org/subversive/integrations.php>
- New and noteworthy:
 - There is a new and noteworthy page for each milestone: http://wiki.eclipse.org/Subversive_New_and_Noteworthy

- API conforms with Eclipse Quality standards
- API description: <http://www.eclipse.org/subversive/integrations.php>





Architectural Issues

- Subversive supports Team API introduced in Eclipse 3.0
- We have planned the following outstanding tasks related to Eclipse 3.2 Team API support:
 - Implement svn file system
 - Improve project set capability
- SVN 1.6 related features are supported



Tool Usability

- Subversive provides support for all operations available for SVN clients. It means that it can be used as a fully-functional SVN client and a replacement of the original SVN client.
- Subversive provides a set of unique features that improve usability for developers:
 - Support of repository layouts recommended by Subversion
 - Revision browsing
 - Automatic search of Eclipse projects in the repository



End-of-Life

- No features or APIs are moving into End of Life in this release



Bugzilla

- Current state:
 - 144 Bugzilla items
 - 0 - P1 and P2 items
- Resolved 138 bugs:
 - Blocker: 6 bugs
 - Critical: 7 bugs
 - Major: 8 bugs
 - Normal: 94 bugs
 - Minor: 4 bugs
 - Trivial: 2 bugs
 - Enhancement: 17 bugs



Standards

- Subversive requires J2SE 1.5 and Eclipse 3.3 and higher
- Versions compatible with previous versions of Eclipse are available at the previous project location on polarion.org
- Subversive supports SVN 1.1 – 1.6



UI Usability

- Follow User Interface Guidelines
 - Make Subversive close to CVS as much as possible
 - Use best practices for professional UI: care about controls layout, use validators, use nice icons, etc.
- Pursue continuous UI review inside the team
- Implement usability features suggested by the community

- Schedule

Subversive Milestone	Eclipse Milestone	Date
RC1	Eclipse 3.6RC1	May 21, 2010
RC2	Eclipse 3.6RC2	May 28, 2010
RC3	Eclipse 3.6RC3	June 4, 2010
RC4	Eclipse 3.6RC4	June 11, 2010

Communities

- Active communication with the community through Mailing lists, Newsgroup, Bugzilla, etc.
- Active users community: more than 2000 downloads per day
- Project has a Developers and Integrators community and benefits from six integrations with open-source and commercial tools; other integrations are expected



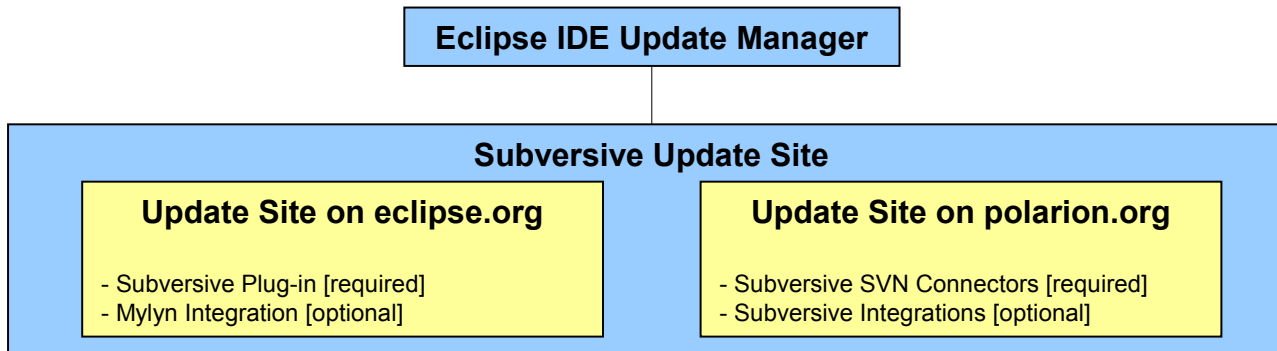
IP Issues

- IP process followed
- IP Log: <http://www.eclipse.org/subversive/iplog-0.7.9.php>
- Project released under EPL



IP Issues – Subversive Distribution

- Legal issue: both SVN clients, JavaHL and SVNKit are not EPL compatible: JavaHL uses LGPL libraries; SVNKit license is incompatible with EPL
- The Eclipse Foundation does not distribute non-EPL compatible files from its servers
- Current solution – Subversive is distributed from two update sites:
 - EPL-compatible Subversive plug-in is distributed from eclipse.org
 - EPL-incompatible SVN Connectors are distributed from polarion.org





IP Issues – Next Steps

- Problems with current distribution approach:
 - EPL-incompatibility of required SVN Connectors is a blocker for Subversive inclusion into standard Eclipse distribution
- Next steps: issue discussion on Eclipse Legal Council and Eclipse Board
- Goal: find a solution which allows Subversion inclusion into standard Eclipse distribution (EPP packages)
- Proposed solution:
 - Board allows GPL code to be distributed from eclipse.orgOr
 - Board allows GPL code to be required



Project Plan

- Project plan available at:
<http://www.eclipse.org/projects/project-plan.php?projectid=technology.subversive>