

Subversive Ganymede Review

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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 Ganymede Simultaneous Release



Features

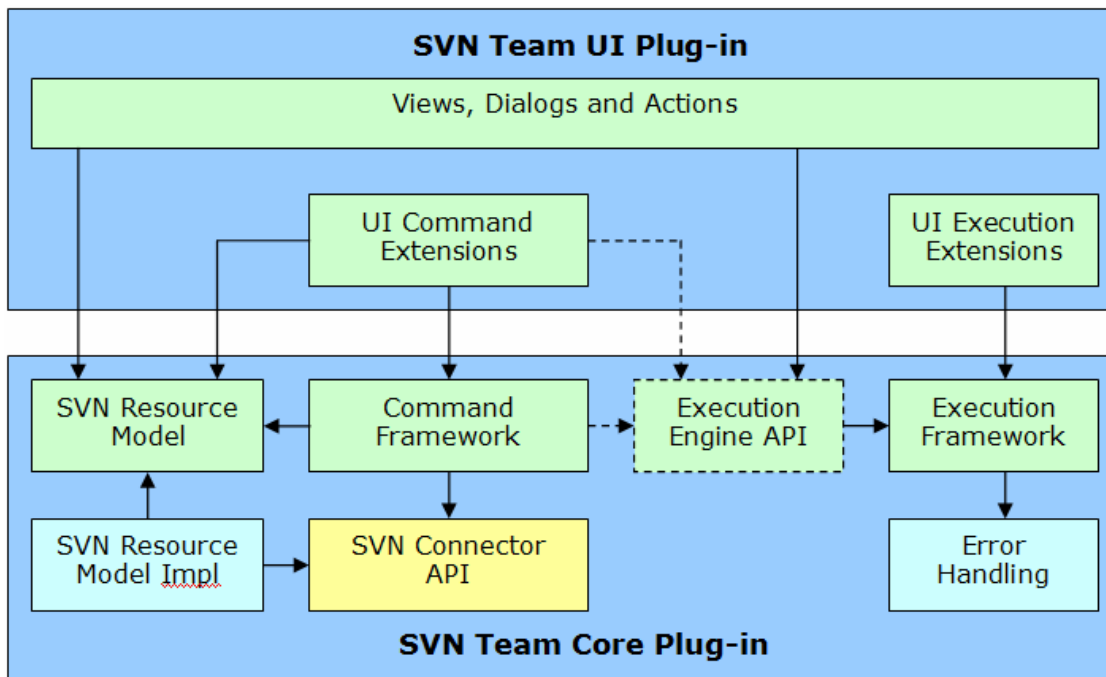
- Checkout:
 - New option “Ignore Externals”
- Share:
 - Automatic project sharing
- Commit:
 - Spell checking
 - Displaying conflicted resources
 - New actions for resources
- History:
 - Compare revisions for folders
 - New action: “Extract”
 - Revision grouping
 - Support of local history
- Branches/Tags
 - Compare with branch/tag
 - Replace with branch/tag
- Properties:
 - Definition of custom properties
 - Property values validation
 - Support of “tsvn” properties
- Synchronize:
 - New action: “Extract”
 - “Local” and “Remote” submenus
 - Displaying incoming changes for folders
- Repository:
 - Override author’s name
- Patches:
 - Resources selection
 - Patch root selection
- Merge:
 - New “Merge” view



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>
- Localization/externalization:
 - Supported. Localization bundles provided by external contributors available for the Japanese and French languages

- 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
- Eclipse 3.2 Team API is supported only partially:
 - IFileHistory interface is implemented
- We have planned the following outstanding tasks related to Eclipse 3.2 Team API support:
 - Move the Subscriber code into the Subversive core module
 - Improve resource decoration support
 - Check and improve support for Logical Model Integration
- SVN 1.5 isn't released yet; thus, SVN 1.5 support is in progress



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
- Subversive is among the TOP 10 most popular projects at EPIC. We keep getting a lot of positive feedbacks from its users.



End-of-Life

- Since this is the first release at eclipse.org, there is no feature that is end-of-life'd



Bugzilla

- Current state:
 - 59 Bugzilla items
 - 0 - P1 and P2 items
- Resolved 246 bugs:
 - Blocker: 6 bugs
 - Critical: 8 bugs
 - Major: 15 bugs
 - Normal: 146 bugs
 - Minor: 4 bugs
 - Trivial: 0 bugs
 - Enhancement: 67 bugs



Standards

- Subversive requires J2SE 1.5 and Eclipse 3.3 or Eclipse 3.4
- Versions compatible with previous versions of Eclipse are available at the previous project location on polarion.org
- Subversive supports SVN 1.1 – 1.5



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 version	Eclipse Build	Date
0.7 Release	Eclipse 3.4RC1	May 20, 2008
0.7.1	Eclipse 3.4RC2	May 27, 2008
0.7.2	Eclipse 3.4RC3	June 3, 2008
1.0 Release	Eclipse 3.4RC4	June 10, 2008



Communities

- Subversive team takes an active part in Eclipse events:
 - Eclipse Summit Europe 2007 – long talk
 - EclipseCon 2008 – long talk, BOF
 - We also plan to attend PluginFest 2008 and Eclipse Summit Europe 2008
- Active communication with the community through Mailing lists, Newsgroup, Bugzilla, etc.
- Active users community: more than 2000 downloads per day; the project is in TOP 10 at EPIC
- Project has a Developers and Integrators community and benefits from six integrations with open-source and commercial tools; other integrations are expected



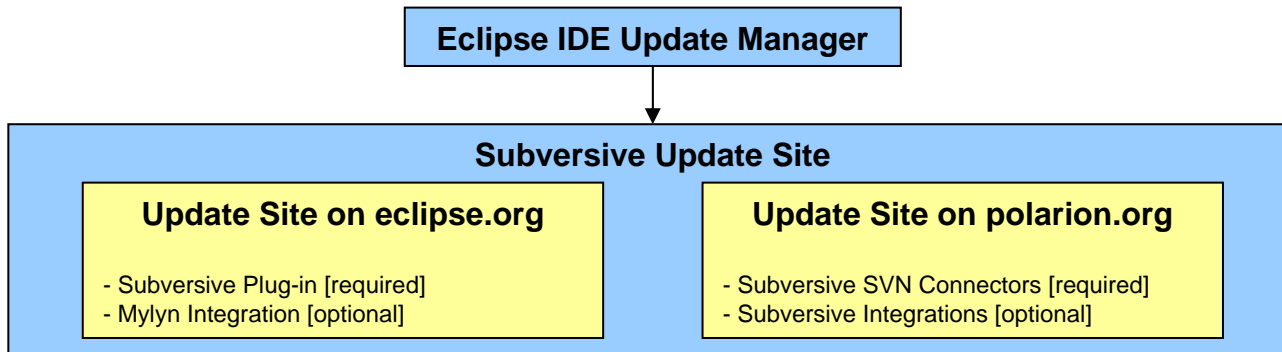
IP Issues

- IP process followed
- IP Log: <http://www.eclipse.org/subversive/iplog.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:
 - No one-click installation (required features should be installed from both update sites: eclipse.org and polarion.org)
 - 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://wiki.eclipse.org/Subversive_Plan
- Next release: 1.0 planned for June 10, 2008
- Next release goal: project graduation, inclusion of Subversive 1.0 into the Ganymede Simultaneous Release