



Eclipse Dynamic Languages Toolkit (DLTK) 0.95 Release Review

May 23, 2008



DLTK - Introduction

- DLTK 0.95 releasing following components to Ganymede
 - Core Frameworks
 - Ruby IDE
 - TCL IDE
 - XOTcl and ITcl OO Extensions support for TCL IDE
 - Remote development via DSDP TM RSE
 - Mylyn Integration Component
- Community
 - 9 committers from CodeGear, Servoy, Xored, Zend, and individuals
 - Used for Eclipse PDT 1.1 Project
 - Foundation for CodeGear's 3rdRail Ruby on Rails IDE



DLTK - Major Project Milestones

- Proposed December 2005
- Created December 2006
- DLTK 0.9 Released with Europa (June 2007)
- DLTK 0.95 is under development and going to be released with Ganymede (June 2008)
 - Project plan available at http://wiki.eclipse.org/DLTK_0.95_Project_Plan
- New features since DLTK 0.9 includes
 - Many IDE improvements
 - Support of TCL OO Extensions like XOTcl and Itcl
 - Option to work with projects located on remote hosts (with help of DSDP TM Project)
 - Integration with Mylyn Project
- Recently released
 - 0.95RC1 – May 21, 2008
 - 0.95M7a – May 12, 2008
 - 0.95M6 – Apr 1, 2008
 - 0.95M5 – Feb 22, 2008



DLTK 0.95 (Incubation) Features

- Core Frameworks
 - Structural Source Code Model
 - Type Inference Engine
 - Search and Indexing
 - Launching and Debugging over DBGp protocol
 - Interactive Console
 - Common UI components (Wizards, Views, Preference Pages, etc)
 - Plan available at: http://wiki.eclipse.org/index.php/DLTK_Project_Plan
- Ruby IDE Component
 - Many of JDT-alike features implemented
- TCL IDE Component
 - Many of JDT-alike features implemented
- Integration Components
 - Mylyn Integration and Remote Projects support via RSE

DLTK - Intellectual Property



- Core, TCL, Python, and Ruby components source code approved have been made under EPL 1.0 (CQ #1135).
- Ruby component contains source code derived from JRuby (available under CPL). Code approved to use with DLTK (CQ #1137).
- org.apache.xmlbeans 2.3 (CQ #1598) – approved but not used in DLTK yet
- ANTLR Runtime (Only) 3.0 (CQ #1647) – used by Python Component (incubated within DLTK Project)
- All plugins contain appropriate license files
- All committers have completed Eclipse Committer Agreements and have been approved by the PMC
- Project IP Log maintained at http://www.eclipse.org/dltk/ip_log.html

DLTK - API: 0.95 Status



- **Implementation**
 - Project is in incubation phase and public API is not stabilized yet.
 - Core Frameworks API is quite stable. Other DLTK components and external projects depends on the Core.
- **Documentation**
 - Project is in incubation phase and lacks of documentation.
- **Test Cases**
 - Some code is covered with test cases.
- **Compatibility**
 - Version 0.95 is not backward compatible with 0.9

DLTK - Defect Statistics (All Components)



- Version 0.95 (May 26, 2008):
 - 430 TOTAL
 - 92 NEW
 - 58 ASSIGNED
 - 265 RESOLVED
 - 2 VERIFIED
 - 10 CLOSED

- Version 0.95 to be released