TMF-Xtext 0.7.0
Release Review

June 10, 2009

Communication Channel: eclipse.modeling.tmf newsgroup
Process Documentation:
Introduction

- Xtext is a framework to develop domain-specific languages and corresponding IDE-Support
- It is based on
  - EMF
  - Antlr 3
  - Eclipse's Texteditor Framework
Features

- 0.7.0 is the first release
- No initial contribution / developed from scratch
- Conceptually close to openArchitectureWare's Xtext
- See New & Noteworthy
  (http://wiki.eclipse.org/Xtext/Documentation/Xtext_New_and_Noteworthy)
Non-Code Aspects

- Provides
  - Comprehensive documentation
  - Tutorial
  - Examples
- We have 1811 Unit-tests (as of RC2)
APIs

- The Xtext project makes a statement about what is API and what is not: [http://wiki.eclipse.org/Xtext/Documentation/API](http://wiki.eclipse.org/Xtext/Documentation/API)
- We don't use PDE's API tooling for several reasons. See discussion: [http://dev.eclipse.org/mhonarc/lists/xtext-dev/msg00216.html](http://dev.eclipse.org/mhonarc/lists/xtext-dev/msg00216.html)
Architectural Issues

- Xtext is designed to be highly customizable and adaptable
- This is primarily accomplished by using two different techniques
  - Dependency Injection with Google Guice
    The whole framework is configured using Guice and let users change the implementation of any of the used components
  - Configurable generator
    Xtext's generator is made up of so called fragments. Users can easily add their own fragments.
Tool Usability

- Language infrastructure provided by Xtext includes rich language-specific IDE-Support.
- With regards to UI-behavior, Xtext tries to be as close to JDT as possible in order to provide functionality which feels natural and intuitive to Eclipse-users.
- The languages shipped with Xtext (primarily the grammar language) are as well developed using Xtext.
End-of-Life

- This is the first release
## Bugzilla (May 27\textsuperscript{th} 2009)

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Standards

- No implementation of standards
UI Usability

- Xtext uses internationalization
- Nothing beyond standard Eclipse accessibility
Schedule

- M2  10/01/2008
- M3  11/12/2008
- M4  12/29/2008
- M5  02/06/2009
- M6  03/18/2009 (API freeze)
- M7  05/05/2009

- RC1  05/19/2009
- RC2  05/26/2009
- RC3  06/02/2009
- RC4  06/09/2009
- RC5  06/16/2009
- 0.7.0 06/28/2009
Communities

- Newsgroup: eclipse.modeling.tmf
- Conferences:
  - EclipseCon 2009
  - EclipseSummit Europe 2008
  - JAX 2008 / 2009
  - W-JAX 2008
  - OOP 2009
- Webinar on July 15th: http://live.eclipse.org/node/705
IP Log

IP Log automated and submitted to Legal for approval: