EMF Core 2.5 Release Review Galileo Simultaneous Release

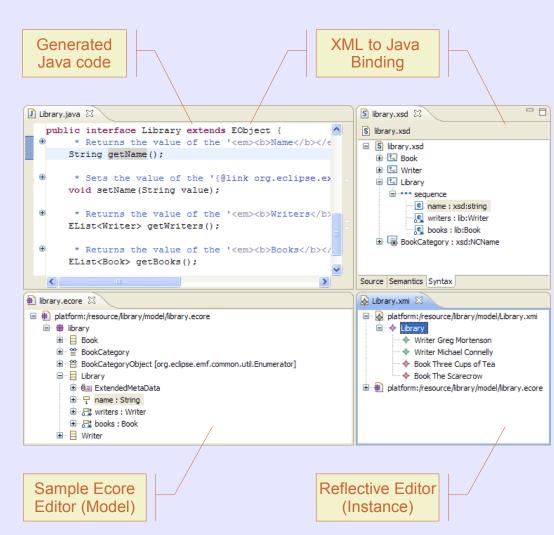


Planned Review Date: June 10, 2009 Communication Channel: eclipse.tools.emf Dave Steinberg and Ed Merks

Eclipse Modeling Framework



- Framework and code generation facility for modeldriven development and data integration
- Core component of the Eclipse Modeling Project
- Supports conversion between different model formats (Ecore/EMOF, XML Schema, UML) and generation of Java code
- Merging generator allows alternating between modeling and programming
- Editor generation for rapid tool prototyping in Eclipse



Features

- Minimal footprint EObject implementation
 - New, optimally memory-efficient base EObject implementation available for use in generated models
 - Adopted in Ecore to reduce footprint of metadata
- Generate models command
 - Convenient new UI for generating one or more models
- New code generator options
 - Flexible interface/implementation naming

Features

- Old-runtime XML types support
 - New generator support for XML types (date, time, duration, QName, etc.) when targeting EMF 2.2 runtime
- Implementation of property-based data binding
 - Support for JFace's new data binding API, providing model-agnostic creation of observables and bindings

Non-Code Aspects

- No significant new documentation or examples
- Minor updates to existing documentation (overviews, tutorials, and API reference)
 - Mostly new Javadoc and accessibility-related changes
- Changes with the potential for significant impact documented in The Bleeding Edge
 - http://www.eclipse.org/modeling/emf/docs/#whatsnew
- Two major EMF publications this year
 - Eclipse Modeling Framework, Second Edition
 - Essential EMF Refcard

APIs

- The component lead certifies that the requirements for Eclipse Quality APIs have been met for this release
- Due to historical use, most of EMF is treated as API
 - Increasingly, more recent code is identified as internal
- Provisional API
 - Generate models command
 - Data binding implementation
 - Accessible table editing
 - Binary resource implementation
- Deprecated API continues to be supported

Architectural Issues

- No new architectural issues in this release
- EMF continues to be highly extensible and finely componentized

Tool Usability

 New generate models command improves generator usability by simplifying regeneration

End-of-Life

 EMF's SDO implementation, which was previously delivered as part of EMF core, has been removed in this release

Bugzilla

Over Galileo timeframe (as of May 27, 2009)

Status

Severity

	NEW	ASSIGNED	REOPENED	RESOLVED	VERIFIED	CLOSED	Total
blocker					1		1
critical				2	2	2	<u>6</u>
major				<u>4</u>	<u>6</u>	<u>3</u>	<u>13</u>
normal			1	<u>34</u>	<u>111</u>	<u>6</u>	<u>152</u>
minor				<u>6</u>	<u>5</u>	1	<u>12</u>
trivial				1	<u>3</u>	2	<u>6</u>
enhancement	<u>49</u>	1		<u>21</u>	<u>53</u>	2	<u>126</u>
Total	<u>49</u>	1	1	<u>68</u>	<u>181</u>	<u>16</u>	<u>316</u>

Standards

- No standards-related changes
- EMF continues to support OMG XMI 2.0 and 2.1 for serialization and EMOF 2.0 interchange

UI Usability

- Small usability improvements
 - Better organization of New Project/Model wizards
 - Galileo capabilities
- Accessibility
 - Reviewed for Section 508 compliance
 - Keyboard navigation added to tables in wizards
- Internationalization
 - All strings externalized using Java message bundles
 - Babel participant
 - Translatability verified with Babel Pseudo-Translation Test

Schedule

- EMF followed the Galileo schedule as a +1 component
- Completed
 - M1 2008/08/11 (as planned)
 - M2 2008/09/24 (as planned)
 - M3 2008/11/03 (two days early)
 - M4 2008/12/15 (two days early)
 - M5 2009/02/03 (as planned)
 - M6 2009/03/16 (as planned)
 - M7 2009/05/04 (as planned)
 - RC1 2009/05/18 (as planned)
 - RC2 2009/05/25 (as planned)

- Planned
 - RC3 2009/06/01
 - RC4 2009/06/08
 - RC5 2009/06/15
 - GA 2009/06/24

Communities

- Active interaction in EMF's newsgroup and Bugzilla
- Committers attended and presented at Eclipse Summit Europe 2008, EclipseWorld 2008, and EclipseCon 2009
- Several committers are active bloggers
- Significant cross-project collaboration

IP Issues

- The project leadership verifies that the Eclipse IP policies and procedures have been followed.
- A frozen copy of the Project Log is part of the Release Review documentation
 - The "live" version is also available at eclipse.org/modeling/emf/eclipse-project-ip-log.php

 Would any Member like to assert that this release infringes their IP rights?

Project Plan

- EMF 2.5 development plan available at eclipse.org/projects/project-plan.php?projectid=modeling.emf
- Draft plan for EMF 2.6 is not yet available