



GMF 2.0

Europa Simultaneous Release

June 06, 2007

Release Review revision 2.3.1 – January 17, 2007



GMF - Europa Release Talking Points

- Noteworthy New Features:
 - RCP application generation option
 - xPand template engine
 - Diagram preferences generation option
 - Generic Navigator support for diagrams and models
 - Graphical mapping model editor, graphical definition visual editor improvements
 - Tooling wizard improvements
 - Runtime performance and bug fixes
- Quality of APIs
 - Overall: no "provisional" APIs, all non-API code in "internal" packages
 - Runtime: stable (unchanged)
 - Tooling: increment from 1.0 to 2.0 (model migration utilities provided), experimental features in separate download
- End of Life Issues:
 - None
- IP Issues:
 - None
- Committer Diversity
 - Still only Committers from Borland and IBM



Features & Non-Code Aspects

- Features
 - New & Noteworthy maintained on the GMF wiki
 - http://wiki.eclipse.org/index.php/GMF_New_and_Noteworthy#R20
 - RCP application generation option
 - xPand template engine incorporation
 - Diagram preferences generation option
 - Generic Navigator support for diagrams and models
 - Graphical mapping model editor, graphical definition editor improvements
 - Tooling wizard improvements
 - Runtime performance and bug fixes
 - EMF enhancements: generic navigator, MANIFEST.MF merging
 - Decorator model extension to generator model
 - Plan Items
 - 9 of 18 plan (keyword) items RESOLVED (as of May 12th)
 - 806 issues resolved since 1.0 release
- Non-Code Aspects
 - Tutorial, Ecore, and Taipan examples updated for 2.0
 - Documentation not much improved during 2.0

APIs



- No “provisional” APIs
- All non-API code in “internal” packages
- Runtime
 - Stable (unchanged)
- Tooling
 - Version increment from 1.0 to 2.0
 - model migration utilities provided
 - experimental features in separate “experimental-sdk” download
- No ‘discouraged access’ warnings (internal usage) in runtime
 - Generated ecore and graphdef editors have a few (bugs open)
- 769 unit tests
 - Increases in Figures unit tests:
 - Full 161 (91s) -> 344 (135s)
 - Lite 27 (235s)->58 (203s)
- Full javadoc and exsd with guides/tutorials in Help



Architectural Issues, Usability, End-of-Life

- Architectural Issues
 - Migrated to Eclipse Modeling Project
 - Utilizing EMF, EMF Query/Transaction/Validation, MDT OCL
 - Ecore graphical editor remains in GMF - belongs in MDT or EMF?
 - Orbit
 - Now consuming Apache Batik and Xerces from Orbit
- Usability
 - Several plan items closed that address usability (not enough)
- End-of-Life Issues
 - Model migration utilities provided, JET templates replaced with xPand

Bugzilla



- As of 05/11/07 (since the end of the 1.0 release with Callisto):

		Status					Total	
Severity		NEW	ASSIGNED	REOPENED	RESOLVED	VERIFIED	CLOSED	Total
	blocker	<u>1</u>	<u>1</u>	.	<u>19</u>	.	.	<u>21</u>
	critical	<u>2</u>	.	.	<u>44</u>	.	.	<u>46</u>
	major	<u>24</u>	<u>3</u>	<u>1</u>	<u>162</u>	<u>1</u>	<u>6</u>	<u>197</u>
	normal	<u>256</u>	<u>16</u>	<u>5</u>	<u>709</u>	<u>3</u>	<u>17</u>	<u>1006</u>
	minor	<u>28</u>	<u>2</u>	<u>1</u>	<u>34</u>	.	<u>1</u>	<u>66</u>
	trivial	<u>6</u>	.	.	<u>8</u>	.	<u>1</u>	<u>15</u>
	enhancement	<u>127</u>	<u>16</u>	<u>1</u>	<u>71</u>	.	<u>7</u>	<u>222</u>
	Total	<u>444</u>	<u>38</u>	<u>8</u>	<u>1047</u>	<u>4</u>	<u>32</u>	<u>1573</u>



Standards and UI Usability

- Standards
 - OMG™ Object-Constraint Language (OCL) used/supported
 - Future support may include OMG™ Diagram Interchange and QVT usage
- UI Usability
 - Internationalization
 - GMF uses Eclipse i18n support
 - ICU4J is used
 - Localization
 - No Plan (IBM no longer contributing language packs)
 - Accessibility
 - Nothing beyond standard Eclipse and GEF features



Schedule

▪ 2.0 Release Plan

- ✓ 2.0 M1: September 04, 2006
- ✓ 2.0 M2: October 13, 2006
- ✓ 2.0 M3: November 17, 2006
- ✓ 2.0 M4: January 04, 2007
- ✓ 2.0 M5: February 23, 2007
 - 2.0 M5uh: March 01, 2007 (updated to platform's M5eh build)
- ✓ 2.0 M6: April 05, 2007
 - 2.0 M6a: April 05, 2007 (fixed pack200 issues)
- 2.0 M7/RC0: May 18, 2007
- 2.0 RC1: June 01, 2007
- 2.0 RC2: June 15, 2007
- 2.0: June 29, 2007

▪ 1.0 Maintenance Stream

- ✓ 1.0.1: September 29, 2006
- ✓ 1.0.2: October 27, 2006
- ✓ 1.0.3: February 12, 2007



Communities

- Active newsgroup (eclipse.modeling.gmf)
 - Moved from eclipse.technology.gmf
- Now holding bi-weekly [developer calls](#)
- Conference Participation
 - 2 talks on GMF at EclipseWorld 2006
 - Tutorial at ECOOP2006
 - Talk at ESE 2006
 - Long talk and 2* tutorials at EclipseCon 2007
- [Modeling Blog](#) (not very active)
- Participated in webinars organized by Foundation
- Participated in buildmaster's workshop



IP Issues

- About files and license files are complete and correct
- All significant and third-party contributions have been reviewed by Eclipse Legal
 - Apache Batik 1.6.0 (in Orbit)
 - Apache Xerces 2.8.0 (in Orbit)
 - LPG-V1.1 Java runtime from <http://sourceforge.net/projects/lpg>, EPL v1.0
- Project log complete and has been reviewed by Eclipse Legal
 - The URL is <http://www.eclipse.org/gmf/development/ipquery.php>
- Contributor contact list maintained by Project Lead and sent to EMO