



Galileo Release Review GEF 3.4.0

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GEF - Galileo Release Review Talking Points

- Noteworthy new features.
 - Draw2D: Many small enhancements.
 - Support new SWT Line Attributes and fractional line widths in Shape.
 - Added LineBorder line style.
 - Added getAdvanced() should be added to Graphics.
 - Zest: Added support for figure providers
 - Now possible to provide custom figures, such as images.
 - Draw2D: added a scalable polygon figure.
- No API changes from GEF 3.4.0.
- No End of life issues.
- No IP clearance and license issues.



Features and Non-Code Aspects

- Features
 - Draw2D: Many small enhancements.
 - Support new SWT Line Attributes and fractional line widths in Shape.
 - Added LineBorder line style.
 - Added getAdvanced() should be added to Graphics.
 - Zest: Added support for figure providers
 - Now possible to provide custom figures, such as images.
 - Draw2D: added a scalable polygon figure.
- Non-Code Aspects
 - Migrated GEF to use Eclipse API tools.
 - Any API breakage flagged by PDE.



APIs

- No API removal or deprecation in GEF 3.5.0.
 - Version increment from 3.4.0 to 3.5.0.
- GEF continues to have:
 - No “provisional” APIs in Zest, Draw2D or GEF.
 - All non-API code in “internal” packages.
 - No ‘discouraged access’ warnings (internal usage).
 - Complete JavaDoc.
- A handful of new methods added in 3.5.0
 - As required for the new features.



Architectural Issues, Usability, End-of-Life

- Architectural Issues
 - Core architecture is stable; no changes here.
- Tool Usability
 - Diagram surface completely supports keyboard accessibility.
- End-of-Life Issues
 - None



Bugzilla

- As of May 27, 2009 (since the end of the Ganymede release):

	Status						Total
	NEW	ASSIGNED	REOPENED	RESOLVED	VERIFIED	CLOSED	
blocker	.	.	.	1	.	.	1
critical	.	.	.	5	.	1	6
major	6	.	1	9	.	.	16
normal	100	1	.	152	2	.	255
minor	5	1	.	6	.	.	12
trivial	2	.	.	9	.	.	11
enhancement	48	2	3	30	.	.	83
Total	161	4	4	212	2	1	384



Standards and UI Usability

- Standards
 - GEF doesn't follow any specific standard per se; N/A
 - Mimic *implicit* standards by other graphical applications
 - Examples
 - Rulers similar to common word processor applications
 - Rich-text rendering behaviour modeled from popular browsers
- UI Usability
 - Follow OS and Eclipse platform standards, where applicable



Schedule

- Followed the Galileo release schedule as a +1 component:
 - http://wiki.eclipse.org/index.php/Galileo_Simultaneous_Release



Community

- GEF continues to be highly popular!
- De facto framework for graphical editing in Eclipse.
- GEF is often among the Top 10 Downloads at eclipse.org.
- GEF speakers at EclipseWorld 2008 and EclipseCon 2009.
- Newsgroup is continues to be active
 - Significant number of answers coming from non-committers



IP Log and IP Issues

- No IP Issues.
 - About files and license files are complete and correct.
 - Project log complete and up to date.
- http://www.eclipse.org/projects/ip_log.php?projectid=tools.gef



Credits and Kudos

- GEF Committer Team:
 - Anthony Hunter, IBM.
 - Ian Bull, EclipseSource.
 - Nick Boldt, RedHat.
- And thanks to all other contributors