



# GEF Release Review 3.3

Anthony Hunter  
IBM Rational Software, Ottawa

# GMF - Europa Release Review Talking Points



- § Focus for Europa: maintain GEF leadership for graphical editing in Eclipse.
  - § Several small features.
  - § Focus on bug fixes and the Bugzilla defect backlog.
  - § Support significant Europa activities, such as Vista testing, build changes.
- § No API changes from GEF 3.2.
- § No End of life issues.
- § No IP clearance and license issues.
- § Committer Diversity: All committers are from IBM.

# Agenda



- § Features
- § Non-Code Aspects
- § Release Engineering
- § APIs
- § Architectural Issues
- § End-of-Life
- § Bugzilla
- § Standards
- § Schedule
- § Process
- § Community
- § IP Issues
- § Project Plan

## New features in 3.3



- § Minimal feature work.
  - § Grid Layout
    - § GridLayout similar to SWT's GridLayout (Bugzilla 71684)
  - § Polyline
    - § Polyline tolerance changes (Bugzilla 169401)
  - § EditPartViewer
    - § Add ResourceManager support (Bugzilla 180029)
  - § New GEF Example wizards
    - § Now consistent with other Eclipse projects (Bugzilla 140557)
    - § File > New > Examples > GEF Plug-ins now available in GEF SDK.

# Non-Code Aspects



- § Migrate GEF website to Phoenix look
- § New Icons created by media design team
  - § Marquee tool icons
  - § Connection tool icons
- § JavaDoc and GEF documentation updates
- § Tested for localization
  - § Awaiting readiness of 'Eclipse Globalization Project'.

# Release engineering



- § Satisfying Europa requirements
  - § Update build to use Eclipse 3.3 release engineering plug-ins
  - § Make changes to support bundle updates in the platform.
    - § Startup.jar is obsolete.

# API



- § No API removal or deprecation in GEF 3.3.
- § GEF continues to have:
  - § No “provisional” APIs.
  - § All non-API code in “internal” packages.
  - § No ‘discouraged access’ warnings (internal usage).
  - § Complete JavaDoc.
- § A handful of new methods added in 3.3
  - § As requested during defect fixing.

# Architectural Issues



- § Core architecture is stable; no changes here.



# End-of-Life



§ No classes / methods were deprecated in GEF 3.3

# Bugzilla



- § New bugs reported since 3.2 – 156 (6 blocker or critical)
- § Bugs fixed in this release – 94 (6 blocker or critical)
- § Existing P1s and P2s – 0
- § Bugs outstanding – 225
- § Enhancement requests outstanding – 91

# 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
- § Follow OS and Eclipse platform standards, where applicable
  - § Examples
    - § Keybindings
    - § PaletteCustomizerDialog looks like platform's Preferences dialog

# Schedule



- § Followed the Europa release schedule as a 1+ component:
  - § [http://wiki.eclipse.org/index.php/Europa\\_Simultaneous\\_Release](http://wiki.eclipse.org/index.php/Europa_Simultaneous_Release)

# Process



- § Conformed with Eclipse standards
  - § Open, transparent and inclusive
  - § Newsgroup remains the main medium for clients to share knowledge, ask questions, and identify problems
  - § Mailing list used extensively to elicit requirements, keep GEF shareholders updated about new developments, discuss architectural enhancements and API changes, and solicit contributions
  - § Bugzilla used for tracking changes and accepting contributions
- § Room for improvement
  - § Detailed milestone plans

# 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
- § Newsgroup is very active
  - § Significant number of answers coming from non-committers
- § Community contributions
  - § Bugzillas with patches from the community given priority.

# 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/gef/team/gef-log.csv>

# Project Plan



- § Zest: The Eclipse Visualization Toolkit
  - § <http://www.eclipse.org/mylar/zest.php>
  - § Move from Mylar as a new GEF component in GEF 3.4
- § Remaining GEF 3.4 plan has not been finalized.



# Thank You



§ Questions