



# QVT Operational 2.0 Galileo Simultaneous Release

June 10, 2009

Communication Channel: [eclipse.modeling.m2m](mailto:eclipse.modeling.m2m) newsgroup

Process Documentation: [http://www.eclipse.org/projects/dev\\_process/development\\_process.php](http://www.eclipse.org/projects/dev_process/development_process.php)

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# QVTO – Galileo Release Talking Points

- Features:
  - Improved alignment with OMG specification
  - Many small enhancements
  
- Quality of APIs
  - Overall: no “provisional” APIs, all non-API code in “internal” packages
  
- End of Life Issues:
  - Small set of legacy QVT constructs deprecated
  
- IP Issues:
  - None



# Features

- QVT language
  - intermediate classes, properties
  - for, compute expressions
  - break, continue
  - constructors
  - extending transformation
  - transformation composition
  - operation overriding, overloading
  - Dictionary, List collection types
  - String escape characters
- Java black-box library support
- New QVT Ant Tasks



## Non-Code Aspects

- Testing
  - 900 tests launched on every build
- Building and packaging
  - Using common modeling releng infrastructure
  - Regular integration builds published



# APIs

- No “provisional” APIs
- All non-API code in “internal” packages
- No ‘discouraged access’ warnings
- Leveraging PDE API Tooling



# Architectural Issues, Usability, End-of-Life

- Architectural Issues
  - None
  
- Usability
  - QVT transformation development and execution
  - Rich set of QVT language constructs supported
  - Reasonable tooling support (QVT SDK)
  - Improvements in transformation deployment needed
  
- End-of-Life Issues
  - Deprecated:
    - obsolete variants of - while, switch, main() with parameters
    - metamodel declaration
    - library import, rename statement



# Bugzilla

As of 05/28/09 (since the end of the 1.0 release with Ganymede)

		Status				
		NEW	ASSIGNED	RESOLVED	VERIFIED	Total
Severity	critical	.	.	<u>1</u>	.	<u>1</u>
	major	.	.	<u>3</u>	.	<u>3</u>
	normal	<u>6</u>	<u>4</u>	<u>214</u>	<u>2</u>	<u>226</u>
	enhancement	<u>1</u>	.	<u>5</u>	.	<u>6</u>
	Total	<u>7</u>	<u>4</u>	<u>223</u>	<u>2</u>	<u>236</u>



# Standards and UI Usability

- Standards
  - OMG™ Object-Constraint Language (OCL) - used (MDT OCL)
  - OMG™ Query/View/Transformation (QVT) implemented
  
- UI Usability
  - Internationalization
    - I18n using PDE tooling
    - ICU4J is used
  - Localization
    - Participation in Babel





# Schedule

## ▪ 2.0 Release Plan

- ✓ M1 08/20/2008
- ✓ 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
- 2.0.0 06/28/2009

<http://www.eclipse.org/projects/project-plan.php?planurl=http://www.eclipse.org/modeling/m2m/qvtml/project-info/plan.xml&component=qvtml>



# Communities

- Steady interaction in Bugzilla and on newsgroup
- Conference Participation
  - Presentation at EclipseCon 2009



# IP Issues

- About and license files are in place as per the Guidelines to Legal Documentation.
- Foundation generated IP log at
  - [http://www.eclipse.org/projects/ip\\_log.php?projectid=modeling.m2m](http://www.eclipse.org/projects/ip_log.php?projectid=modeling.m2m)