

M2T-JET 0.9.0

Ganymede Release Review

Paul Elder, IBM Rational

Features

- Improved performance
 - ◆ Write files only if contents has changed
 - ◆ Numerous hot spots removed
- Miscellaneous improvements
 - ◆ Implement more XPath axes (all but namespace::)
 - ◆ Tags to support indenting of generated content
 - ◆ Sort function of sorting content
 - ◆ Improved New wizard
- Deferred:
 - ◆ Modularize to permit JET in RCP, base OSGi or just a JRE.

Non-Code

- Internationalization/Localization
 - ◆ All strings externalized and mock tested
- Documentation/Tutorials
 - ◆ EclipseCon tutorial on JET
 - ◆ Doc cleanup and enhancements
- Examples
 - ◆ Several examples developed and committed to CVS as a result of EclipseCon 2008

APIs

- No significant new APIs in this release
- Existing API review:
 - ◆ Tag library contribution
 - ◆ XPath function contribution
 - ◆ Model loading extensions
 - ◆ XPath modeling inspection extensions
- APIs are certified 'Eclipse Quality'
- Note:
 - ◆ Achieving a JET runtime that is more independent of Eclipse will require significant new APIs (tag libraries, invocation) that parallel existing APIs. These APIs will be introduced in the next release. See Architectural Issues.

Architectural Issues

- Greater Independence from Eclipse
 - ◆ JET runtime plug-in is currently monolithic and requires the Eclipse workspace, JDT & EMF
 - ◆ Use in a RCP, OSGi or a JRE (as well as integration with PDE build) will require a more modular runtime.
- Integration with PDE build
 - ◆ PDE build, what hosted in Eclipse is independent of the Eclipse workspace APIs and hence of builders.
 - ◆ JETs current ANT-based tasks (and underlying APIs) assume the presence of a workspace – they do not work well with PDE build, except in circumstances where plug-ins being built are located in the workspace.

Tools Usability

- New Project wizard has been enhanced
 - ◆ More direct specification of JET transformation options
 - ◆ Simplify process of extending existing JET transformations
- JET Editor
 - ◆ No significant improvements this release – current committer has been inactive. Recruiting contributions for this is a key issue for the next release.

End-of-life

- No end-of-life features/APIs this release

Bugzilla

- Resolved this release:
 - ◆ 44
- Outstanding defects (as of May 26, 2008)

		Component		
		Jet	Jet Editor	Total
Priority	P3	<u>20</u>	<u>6</u>	<u>26</u>
	Total	<u>20</u>	<u>6</u>	<u>26</u>

Standards

- JET implements XPath 1.0, with the following exceptions
 - ◆ Namespace axis is not implemented
 - ◆ Functions not implemented: lang(), id()

UI Usability

- Eclipse User Interface Guidelines
 - ◆ Followed, but no formal review conducted.
- Accessibility
 - ◆ All actions accessible for keyboard
 - ◆ All interfaces reviewed using screen reader technologies
- Localization
 - ◆ All strings are externalized and accessed through localization APIs.

Schedule

- Development adhered to Ganymede schedule
 - ◆ All milestone deliveries were met

Communities

- Newsgroup:
 - ◆ ~500 messages in past 12 months
- Wiki
 - ◆ ~20 FAQ articles
- EclipseCon
 - ◆ Tutorial ~50 attendees, positive reviews

IP Issues

- IP Log up-to-date and reviewed by EMO
 - ◆ <http://www.eclipse.org/modeling/m2t/jet/eclipse-project-ip-log.csv>
 - ◆ No significant 3rd party contributions this release
- About and license files reviewed
- No known IP issues

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