



Unified Modeling Language (MDT UML2) 2.2 Ganymede Simultaneous Release Review

4 June, 2008

Release Review revision – no longer indicated

http://www.eclipse.org/projects/dev_process/development_process.php#6_3_3_Release_Review



Agenda

- **Talking Points**
- Features
- Non-Code Aspects
- APIs
- Architectural Issues
- Tool Usability
- End-of-Life
- Bugzilla
- Standards
- UI Usability
- Schedule
- Communities
- IP Issues
- Project Plan



Talking Points

- UML2 2.2 Themes
 - End-to-End MDSD
 - Upgrade Path
 - Ease of Use
 - Technology Trends
- The project lead certifies that the requirements for *Eclipse Quality* APIs have been met for this release
- All significant contributions, non-Committer code contributions, and third-party libraries have received IP clearance
- 2 committers from two companies (Embarcadero Technologies, IBM) in one country (Canada)



Features - Details

- 2.2 development plan available at http://www.eclipse.org/modeling/mdt/docs/plans/mdt_project_plan_1_1.html#_UML2_component
- New & Noteworthy documentation at http://wiki.eclipse.org/MDT_1.1_New_and_Noteworthy#Unified_Modeling_Language_2.x_.28UML2.29_Component
- Release notes available at <http://www.eclipse.org/modeling/mdt/news/relnotes.php?project=uml2&version=2.2.x>



Features – UML2 2.2

- 4 committed, 2 deferred
- End-to-End MDSD
 - Profile Support for Ecore Annotations. Users now have the ability to specify the EAnnotations they would like to see in the final Ecore.
 - Support for (de)serialization to/from CMOF. A resource implementation has been provided that supports loading/saving UML® models in CMOF format. Support has been integrated into the sample UML editor and importer framework (to allow creating of EMF projects from CMOF models)
- Technology Trends
 - UML 2.1.2 Compliance. Support has been provided for interchange (XMI®) compliance with UML 2.1.2.



Features – UML2 2.2

- Upgrade Path
 - Eclipse 3.4 / EMF 2.4 Compatibility. Maintain release currency concurrent with EMF 2.4 (and Eclipse 3.4). Changes have been made to align with EMF features and bug fixes .
- Make Simpler to Use
 - Enhanced Documentation. New documentation has been added including a tutorial, articles and improved javadoc.



Non-Code Aspects

- All components hosted at single [Web site](#), [Wiki](#)
- [Documentation](#) (FAQ, Javadoc, articles, etc.) available; updates complete or underway
- Example features/plugin-ins available



APIs

- The component lead certifies that the requirements for Eclipse Quality APIs have been met for this release
- Non-API in “internal” namespace
- Some ‘discouraged access’ warnings in cases of metamodel extension (plug-in compatibility restricted to minor version)



Architectural Issues

- Introduction of a new extension point used to register profiles. This allows discovery and maintenance of profiles simpler.
- Introduction of content types for UML, CMOF resources. This will help associate the appropriate default editors with their respective resources.



Tool Usability

- UML editor supports the camel case option when importing UML models (and is also exposed in the example action on the UML editor).
- Use of font and color item provider support from EMF to indicate abstract classes in the editor.
- Saving as XMI or CMOF has been enhanced to save all related files at once.



End-of-Life

- Deprecations:
 - Property should not specialize TemplateableElement (although still does until the next revision of the UML superstructure specification). The template binding and owned template signature features for Property (and subclasses), have been deprecated.



Bugzilla – UML2 (as of May 15, 2008)

		Status					
		NEW	ASSIGNED	RESOLVED	VERIFIED	CLOSED	Total
Severity	blocker	.	.	.	.	1	1
	critical	.	.	.	.	1	1
	major	.	.	.	3	3	6
	normal	3	.	11	18	5	37
	minor	1	.	.	.	1	2
	enhancement	5	6	2	19	3	35
	Total	9	6	13	40	14	82



Standards

- Unified Modeling Language (UML) 2.2 specification revision underway; UML2 2.2 compliant with [2.1.2 formal version](#); next release (UML2 3.0) will be compliant with UML 2.2.



UI Usability

- UML2 2.2 conforms to Eclipse User Interface Guidelines
- Eclipse platform standard i18n support used where applicable/possible; stand-alone deployment uses equivalent J2SE APIs
- ICU4J is used but optional; stand-alone deployments delegate to corresponding J2SE 5.0 APIs when ICU not available
- As with all Europa projects, language packs will be created as part of an Eclipse Translation Project
- Eclipse platform APIs used to provide accessible UI



Schedule

- MDT UML2 is a “+1” component in the simultaneous release.
- M3 met on November 14
- M4 met on Dec 17
- M5 met on February 11
- M6 slipped from March 31 to April 2
- M7 slipped from May 5 to May 6



Communities

- Steady interaction in [bugzilla](#) and on [newsgroups](#)
- UML2 represented at EclipseCon 2008 (Long talk on the new features of UML2, a Tutorial on creating DSL's using UML and a presentation at the Eclipse/OMG Symposium)

IP Issues



The MDT UML2 component leadership verifies that:

- the about files and use licenses are in place as per the [Guidelines to Legal Documentation](#).
 - all contributions (code, documentation, images, etc) have been committed by individuals who are either Members of the Foundation, or have signed the appropriate Committer Agreement. In either case, these are individuals who have signed, and are abiding by, the Eclipse IP Policy.
 - all significant contributions have been reviewed by the Foundation's legal staff.
 - all non-Committer code contributions, including third-party libraries, have been documented in the release and reviewed by the Foundation's legal staff.
 - all Contribution Questionnaires have been completed.
 - the "provider" field of each plug-in is set to "Eclipse.org".
 - the "copyright" field of each feature is set to the copyright owner (the Eclipse Foundation is *rarely* the copyright owner).
 - any third-party logos or trademarks included in the distribution (icons, help file logos, etc) have been licensed under the EPL.
 - any fonts or similar third-party images included in the distribution (e.g. in PDF or EPS files) have been licensed under the EPL.
- The MDT project IP log is located at <http://www.eclipse.org/modeling/mdt/eclipse-project-ip-log.csv>



Project Plan

- Draft development plan for MDT UML2 3.0 is not yet available



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