



Modeling/MDT/OCL Scope Restructuring Proposal

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History / Old Scope



EMFT/OCL moved to MDT/UML2/OCL

(under <http://www.eclipse.org/proposals/mdt>)

- "It will be covered by the UML2 newsgroup (eclipse.modeling.mdt.uml2) and it will be listed as a component (e.g. UML2 OCL) under a Modeling/MDT product in Bugzilla."
- "OCL is an implementation of the OCL OMG standard for EMF-based models."

EMFT/OCL actually moved to MDT/OCL

- As a top level component MDT/OCL has its own newsgroup and Bugzilla
- Clearly in-scope
 - MDT/OCL provides OCL OMG standard parsing to Ecore/UML2.
 - MDT/OCL provides OCL OMG standard evaluation to Ecore/UML2.
- Perhaps beyond scope
 - example interactive evaluation environment (for many years)
 - example editors (since Helios)

Rationale / New Scope



OCL users need more

- editors (with full model-driven checking)
- efficient code generation (for OCL embedded in Ecore/UML models)

Intervening events

- MDT/OCL Tools proposal with similar goals failed to be created
- Ecore enables use of embedded OCL in generated and reflective models
- QVTo, Acceleo make efficient code for OCL validation feasible
- Xtext merits revisiting the core parsing

New Scope

- Core: Re-useable executable implementation the OMG OCL specification
 - parsing and evaluation
- Tools: Re-useable tooling for the OMG OCL specification
 - code generation and interactive evaluators and editors

Impact



The MDT/OCL component is unchanged

- Core features will continue to deliver core functionality (at Platform +1)
 - programmers and reusers will see just normal evolution
 - e.g. Acceleo, QVTo, Modisco
- Tool features will provided an enhanced environment (at Platform +3)
 - users and interactive consumers will see a much richer tool kit
 - e.g. Papyrus