

ATL 2.0 Mini-deck

ATL PMC

May, 2008

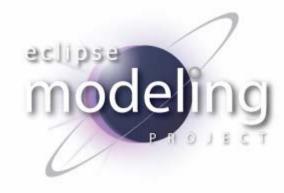
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ATL: ATLAS Transformation Language



- ATL : ATLAS Transformation Language
- ATL is a language and a Virtual Machine dedicated to model transformation
- ATL is an Eclipse Model-to-Model (M2M) component, inside of the Eclipse Modeling Project (EMP)
- ATL has been moved from GMT to M2M in 2007





Overview



- An Eclipse based IDE
 - Editor (syntax coloration, content assist))
 - Debugger
- A syntax adapted to Model To Model transformation
- A Virtual Machine
 - Executes ATL transformations pre-compiled into low level transformation-specific bytecode
 - Provides execution environment for any transformation language
 - The M2M QVT Relational project is based on the ATL Virtual Machine

http://wiki.eclipse.org/M2M/Relational_QVT_Language_(QVTR

 A use case implements a QVT Operational Mappings compiler <u>http://www.eclipse.org/m2m/atl/usecases/QVT2ATLVM/</u>

Community



- Wiki-based FAQ, User Guide, and Tips & Tricks
- ATL Transformation Zoo (100+ scenarios, with contributions from the community)
- Complete use cases (20+, with contributions from the community)
- Articles
- Newsgroup : very active community, more than 2000 posts since its creation
- EclipseCon 2008 : tutorial

http://www.eclipsecon.org/2008/index.php?page=sub/&id=402

Publications about ATL :

http://www.eclipse.org/m2m/atl/publication.php