ATL 2.0
Mini-deck

ATL PMC

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
      http://www.eclipse.org/m2m/atl/usecases/QVT2ATLVM/

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