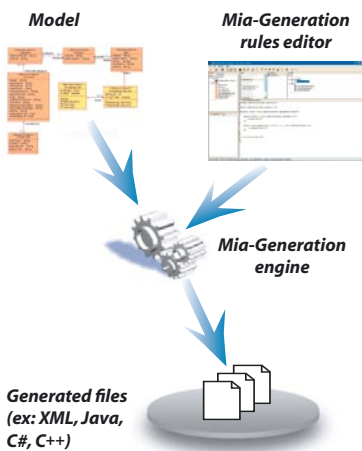


Model-in-Action

MODEL-IN-ACTION IS A TOOL SUITE THAT IMPLEMENTS MDA[®] APPROACH

The suite is composed of two major tools:
Mia-Generation, to build model-to-code translators
& **Mia-Transformation, to build model-to-model translators**



MIA-GENERATION: A TEMPLATE-BASED CODE GENERATOR

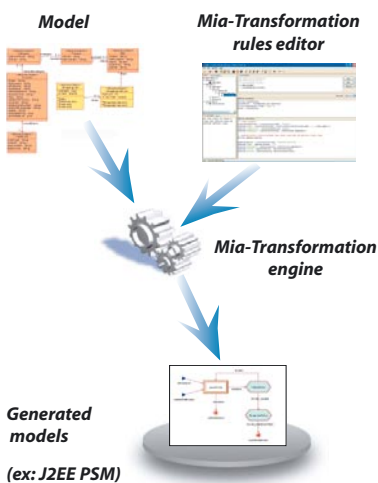
Mia-Generation performs translations on a model to generate files based on your architecture and framework. It provides continuity between analysis and design, and supports iterative cycles by preserving user define code fragments between successive generations.

Mia-Generation is open to any source model file format, and can be connected to major CASE tools (XDE[™], Rose[™], Together[™], Rhapsody[™], Argo[™], and any XMI[®] compliant tool).

The generation rules are specified with:

- Templates (WYSIWYG scripts), which let you enter the text to be generated instead of programming the code
- Java[™] scripts for more complex operations

Mia-Generation is integrated with major IDEs: Eclipse[™], JBuilder[™], Visual Studio[™], BEA Weblogic Workshop[™]...



MIA-TRANSFORMATION: A MODEL TRANSLATION PROCESSOR

Mia-Transformation performs translations on a source model to create a target model. The mapping is specified by rules based on the source and target meta-models.

Mia-Transformation environment provides a graphical editor to specify the rules, and a code generator to generate the MOF[™] components used to manipulate source and target models.

Mia-Transformation has been used in various domains, like:

- Application of design patterns
- Tools bridging (Rose to Erwin[™], Statemate to Rhapsody...)
- Mapping between graphical user interface models and UML[®] models
- Execution of process models within workflow engines
- Migration of legacy code to J2EE[™] or DotNet[™] technology

MODEL-IN-ACTION SUPPORTS OMG STANDARDS:

- The MOF (Meta Object Facility) to support any metamodel (not just UML)
- XMI (XML Metadata Interchange) to exchange models with CASE tools
 - UML Profiles to support Domain Specific Languages