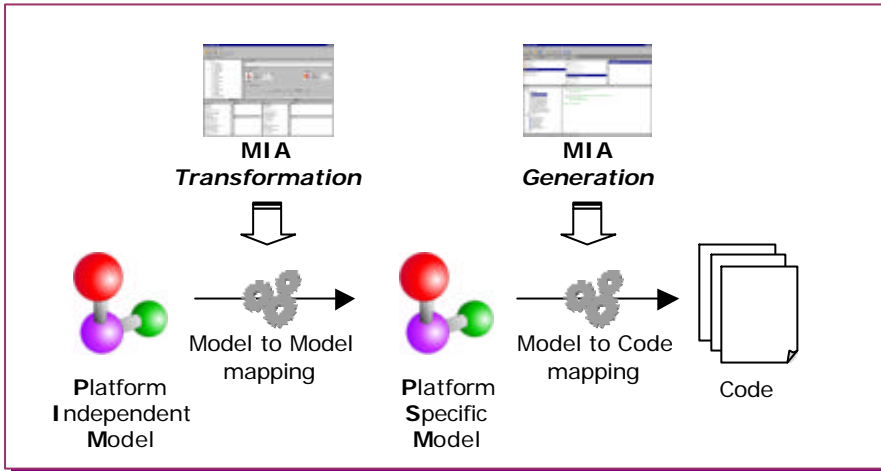


Model-in-Action<sup>®</sup> is a tool suite that implements OMG's MDA<sup>™</sup> concepts.  
The suite is composed of two major tools  
(Download available on [www.MIA-software.com](http://www.MIA-software.com))

- **MIA-Transformation**: to build Model-to-Model Translators
- **MIA-Generation**: to build Model-to-Code Translators



### Model-in-Action supports OMG's standards:

- The MOF<sup>™</sup> (Meta Object Facility) to define metamodels.
- XMI<sup>™</sup> (XML Metadata Interchange) to exchange models with CASE tools.
- MIA-Generation supports UML<sup>™</sup> Profiles

*Model-in-Action complies with the MDA approach*

### MIA-Transformation: model translation processors

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 built-in generator of MOF components used to manipulate source and target models.

MIA -Transformation has been used in various domains, such as:

- Transformations between system engineering tools (Statemate<sup>™</sup> and Core<sup>™</sup>) and UML models
- Transformations between graphical user interface models and UML models
- Transformations of process models to workflow engines.
- Split or merge of models
- ...

### MIA-Generation : template-based code generators

MIA-Generation is an architecture-compliant generator development environment.

MIA-Generation is open to any file format for model and can be connected to any major Modeling tools (Rose<sup>™</sup>, Rhapsody<sup>™</sup>, Together<sup>™</sup>, Argo, and any XMI compliant tool).

Generation Rules are specified with a full IDE dedicated to generator building using:

- Templates (WYSIWYG scripts), which let you enter the text to be generated instead of programming (e.g. copy/paste of best code samples).
- Java<sup>™</sup> is used as scripting language for more complex operations to avoid the need to learn a proprietary language and to allow using any java components.

MIA-Generation is used to build code generators complying with your architecture and framework. MIA provides a dynamic bridge between analysis and design, and supports iterative cycles by preserving user defined code fragments between two generations.