

Position Paper

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Gentleware has developed a modeling tool on the basis of the open source frameworks of the Eclipse Modeling Project. It is a robust and flexible modeling extension to Eclipse for developers and programmers to dynamically create and edit models alongside code. Focusing on the UML 2 class diagram, it provides fully synchronized roundtrip engineering for Java 5 and UML 2.1 and gives insights into existing code, quality documentation and an exemplary means to draft and refine code. As far as we know it is the first UML extension for Eclipse based on GMF, EMF and UML2, and seamlessly integrates into the Eclipse IDE. It will soon be available as an RCP stand-alone tool or as an Eclipse 3.2 plug-in.

The GMF, although still very young, has proven very productive and versatile in this process. It provides high productivity to develop new model editors. We see GMF as a key framework to enable fast and flexible development of domain specific languages and for establishing tool chains from model editing, through model transformation and code generation. This will provide a productivity boost in the IT industry as a whole.

About Gentleware

Gentleware AG is an established authority in modeling and provides its expertise to create business value from models. Started in 2000, it has been led by founder and CEO Dr. Marko Boger, who previously was the long-term driving strength behind the open source project ArgoUML.

Gentleware's products have reached millions of users worldwide, demonstrating its leading position. The product line Poseidon for UML is specifically built for analysis and design in software development. A new product line based on Eclipse will soon be started to address the modeling needs of programmers and developers.

Gentleware synthesizes leading edge open source with custom-built code to create value. Services include custom tools, training and coaching in modeling, model transformation, and generation to and from models. With Gentleware's knowledge, clients can transpose a model to business.

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