



Model Driven Architecture for the Enterprise

The MDA compliant Architectural IDE

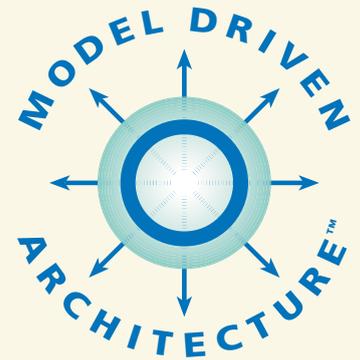
ArcStyler® provides a comprehensive, architecture-driven solution for end-to-end J2EE application development. By assisting developers with important architectural tasks, the ArcStyler simplifies and expedites the entire development life cycle, from the platform-independent business model to platform-specific refinement and optimized code generation for leading application servers. This approach is clearly in line with the OMG's Model Driven Architecture™. The ArcStyler adds extensive value by enhancing best-of-breed tools with architectural intelligence and is the leader of a new generation of tools known as Architectural IDEs.

ArcStyler complements the advantages of MDA by applying them in the context of a holistic architectural style. By default, this style is the Convergent Architecture. In addition, the ArcStyler's unique meta-programming environment permits creation of new architectural styles or the promotion of existing architectures to the level of MDA. This approach enables a chief architect or corporate IT department to apply and extend a clean architectural style across entire IT-landscapes and through generations of inter-operating systems. It also enables the integration of legacy systems, hosts and all types of databases within a clean corporate architectural style.

How Interactive Objects supports the OMG's Model Driven Architecture™

"Since 1993, Interactive Objects Software GmbH (iO) has endorsed OMG standards as a cornerstone to professional IT architecture. Early in 2000, iO introduced the concept of an Architectural-IDE, the ArcStyler™, to the marketplace in which the pragmatic concepts found in OMG's MDA initiative are being applied today by companies using UML/XML and diverse J2EE application servers. Model-driven development continues to be an important aspect of our architectural style, the Convergent Architecture, and we welcome standardization efforts by the OMG in this area."

*Richard Hubert
CEO, Interactive Objects Software*



"MDA™ goes beyond middleware to provide a comprehensive, structured solution for future-safe and interoperable application development. ArcStyler™ provides an excellent example of the OMG's MDA approach."

*Dr. Richard Soley, Chairman
and CEO of the OMG*



"Interactive Objects Software was already moving in the same direction as the OMG when MDA was announced."

Paul Harmon, Market Analyst

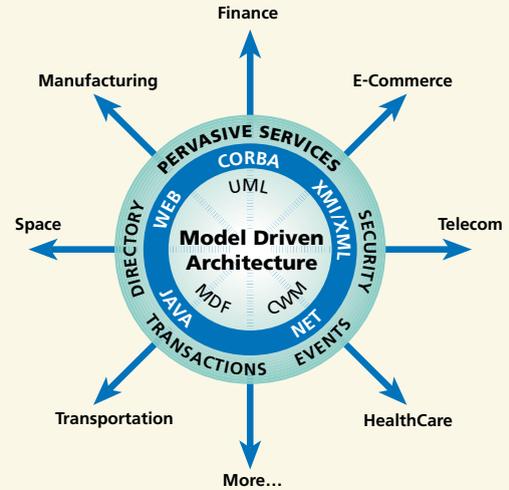


Model Driven Architecture for the Enterprise

Model Driven Architecture™ according to the OMG

The ArcStyler assists an IT Organization along the entire critical development path in line with the Rational Unified Process (RUP) and with the concepts of MDA. Along this path, platform-independent business models are created and subsequently transformed, automatically or semi automatically, into more detailed platform-specific models while preserving the relationship to original business viewpoints along the way. The result is a set of verifiably style-conform UML models based on clear patterns and UML profiles. Both structural and dynamic (behavioral) aspects of the business system are represented in UML extending Rational Rose. In addition, several levels of models, in particular those describing web applications and services, are automatically generated. All modeling results can be accessed via

Java or exchanged, in both directions, with XMI-compliant tools at any time. The UML model is automatically transformed via an extensible generator engine to produce optimized, deployable applications. The standard mappings include all four-tiers of a J2EE/EJB infrastructure (i.e. BEA WebLogic Server, IBM WebSphere or Borland BAS) including the ANT build and test environment. During this step, the ArcStyler leverages other best-of-breed tools such as Rational Rose, Borland JBuilder for the code-and-test cycle, and Macromedia DreamWeaver for fine-tuning the Web graphics. This incremental model-generate-deploy cycle can be repeated in rapid succession to keep a constant tab on both quality and progress.



MDA™ provides an open, vendor-neutral approach to the challenge of interoperability, building upon and leveraging the value of OMG's established modeling standards: Unified Modeling Language™ (UML); Meta-Object Facility™ (MOF); and Common Warehouse Meta-model™ (CWM). Platform-independent Application descriptions built using these modeling standards can be realized using any major open or proprietary platform, including CORBA®, Java, .NET, XMI™/XML, and Web-Based platforms.

www.omg.org

For more information see
www.ArcStyler.com/mda
and download your eval-copy today.

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