



# SELECT

SOLUTION FOR MDA™

## THE FIRST BI-DIRECTIONAL MDA SOLUTION FOR BUSINESS IT

**Select Solution for MDA™ helps you share valuable design expertise and deliver mission-critical software applications faster than ever before.**

- *Business (CIM), Analysis (PIM) and Design (PSM) model separation*
- *Traceability and impact analysis between all models and code*
- *Bi-directional automated transformation for both top-down and bottom-up development*
- *OMG's 'Marker' based and 'In Situ' transformation for automated model elaboration*
- *Preloaded best practices, patterns and transformations*
- *Visually build and distribute your own fully configurable and customizable transformations*
- *Full model and code Synchronization*

## REALIZE THE TRUE SOFTWARE DEVELOPMENT BENEFITS OF MODELING

Many organizations have benefited from modeling, during their IT software development but there have been various problems. UML has helped but not resolved these problems. The primary issue continues to be that of communication. Business people need to communicate IT requirements in their own terms, while system designers and developers need technical specifications and unambiguous designs. The two keys to solving this problem are distinct viewpoints for each stakeholder and automated information passing between them.

Select has always recognized this dilemma and solved it through distinct views for business people, system designers, programmers and DBAs. Based upon this success and the OMG's evolution of the Model Driven Architecture (MDA), Select MDA has been developed to automate the information mapping and passing between these views, to improve both quality and productivity. **Select Solution for MDA** resolves a number of critical issues:

- Business people, analysts, system designers, programmers and DBAs all need to use modeling notations that are familiar and suit their specific needs.
- The knowledge necessary to map between these views needs to be easily encoded and used time and again.
- Architectural decisions and principles need to be protected and applied to all projects consistently.
- Automation is necessary to improve your IT development quality by ensuring that you build the right systems, right.
- This automation is also necessary to improve the productivity of model elaboration and full code generation.
- System maintenance and continuous change also needs to be reflected easily in all the levels of your models, protecting your investment in design.

**Select Solution for MDA** helps you resolve all these issues and more.

## DISTINCT SPECIFICATION AND IMPLEMENTATION MODELS WITH TRACEABILITY AND AUTOMATED TRANSFORMATION

**Select Solution for MDA** is a ground breaking modeling and transformation tool designed to generate, reverse engineer and synchronize all your model viewpoints and your code, based upon UML designs within Select Component Architect™. **Select Solution for MDA** helps ensure your Computational Independent Model (CIM), Platform Independent Model (PIM), Platform Specific Model (PSM) and code are all synchronized and immediately ready to support ongoing development, maintenance, enhancement and integration tasks. All the models and code can be worked on in parallel, with simultaneous changes reconciled through selective synchronization.

Fast



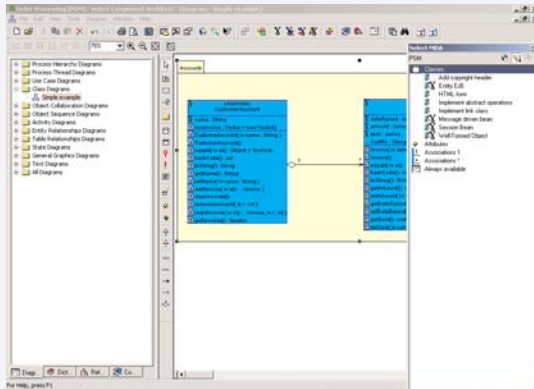


## SELECT SOLUTION FOR MDA WILL

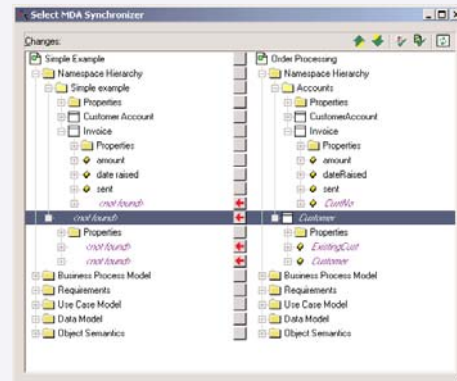
- Speed the development life cycle, automatically generating fully specified models and code for languages such as Java, VB, C++ and C#.
- Allow you to get more code from your models so that time spent modeling actually saves you programming.
- Provide architectural and technological independence, future proofing your models and providing highly flexible solutions for the future.
- Close the 'Technology Gap' between business people with their demands and IT staff who deliver software solutions.
- Rapidly deploy new applications, ensuring your business requirements and code are always synchronized and effective.

## FULL MDA COVERAGE

Unlike a large number of modeling vendors, **Select Solution for MDA** provides support for all the features specified by the MDA. **Select Solution for MDA** provides a distinct CIM (Computational Independent Model) to allow you to understand the business needs. Many tools claiming to support MDA do not. It also gives you a diagram based PSM (Platform Specific Model) so that you can visually design and understand your code. Although this sounds like a given most tools don't provide this and tell you that 'the code is the PSM'. This leaves you just where you started with no way to understand your physical design other than looking at the code. Not only does **Select Solution for MDA** provide the viewpoint, navigation and transformation needed for MDA it does it all bottom up too. This allows you to distil Platform Independent Models from existing code. These models can then be used to enhance and integrate with your existing code or move to a whole different architecture or language. This reduces the risks involved in selecting your programming languages and IT architectures in the rapidly changing environment of computing.



Transformation in models



Bidirectional Synchronization

## PROVEN TECHNOLOGY

**Select Solution for MDA** is a ground breaking extension to the **Select Component Factory™** product line, the award winning and market leading modeling and repository solution. This proven and stable backbone has enabled Select to be the first to deliver a truly fully-functional MDA solution.

To find out more about how **Select Solution for MDA** can help you to deliver, deploy and manage your development visit [www.selectbs.com](http://www.selectbs.com), refer to the companion data sheets or contact us with one of the following numbers.

## About Company

Select Business Solutions, a Gores Technology Group portfolio company ([www.gores.com](http://www.gores.com)), is a leading international software company with customers drawn from the Global 1000.

Select provides comprehensive solutions consisting of pragmatic tools and services, for business critical IT software development, deployment, management, information access and enterprise reporting. Headquartered in Boulder Colorado, Select operates sales offices throughout North America and Europe, in addition to a network of international distributors.

Select Business Solutions' mission is to improve our customers' productivity by providing comprehensive solutions consisting of pragmatic tools and services for business critical software development, deployment and management, as well as information access.



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