Cameo Inter-Op:
True Industry Interoperability With Rhapsody And System Architect

The Age of True Interoperability Has Arrived

What is interoperability and why is it important to you? Interoperability is the ability for a system or a product to work with other systems or products with little effort from the end user. Cameo™ Inter-Op has been developed by No Magic to allow MagicDraw and certain competitive products to communicate with each other and share data. For too long, vendor lock-in has prevented customers from achieving true interoperability where data from one product may be converted to another product. Now, whether you own Rhapsody or System Architect, these products will easily communicate and share data with MagicDraw UML.

Cameo™ Inter-Op is an integral part of No Magic's Cameo™ Suite, providing true interoperability to customers by enabling connectivity between vendors. First initiated via Cameo DataHub, No Magic extends the MagicDraw interoperability capability to UML modeling management using Cameo Inter-Op.

Cameo Inter-Op speeds up the development of UML models by using a two-way bridge between MagicDraw and competitive modeling tools. No longer will different tools used by different teams or contributors be a bottleneck in project execution and collaboration.
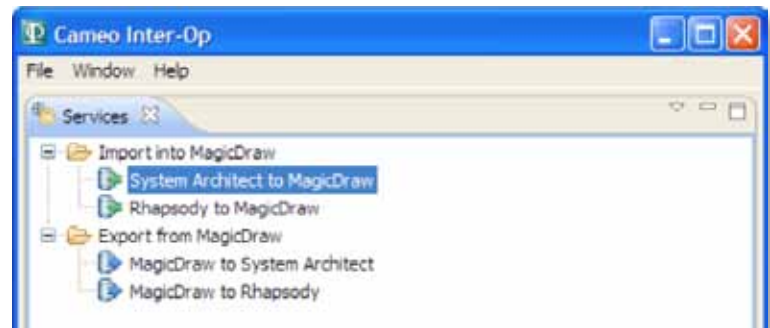
Cameo Inter-Op provides customers both import and export functionality between MagicDraw® and IBM Rational® Rhapsody, or MagicDraw and System Architect. Cameo Inter-Op supports both semantics and diagrams, ensuring data integrity is maintained between MagicDraw and these products.

Key Business Benefits

- Shorten development time: Cameo Inter-Op helps to eliminate disconnected processes by bridging domains that were not in sync because of differing tools
- Flexible solutions: no need to make drastic choices and unify all tools; smooth transition is possible, re-use of data is guaranteed
- Optimize resources: different tools work seamlessly, thus developers can execute using their preferred environment, and focusing on projects and best practices instead of learning new systems
- Reduce development costs: leveraging MagicDraw and Rhapsody, System Architect licenses

Interoperability Between System Architect And MagicDraw

By supporting DoDAF 1.5 with most of its operational and system views, Cameo Inter-Op enables import and export of models between System Architect and MagicDraw UPDM. Keeping integrity of the data and diagrams, designers can work seamlessly and collaborate on development within the DoDAF/UPDM environment using both tools.

Feature Details

- Convert a System Architect DoDAF encyclopedia into a MagicDraw UPDM model, including diagram information
  - Operational Views: OV-2, OV-3 (without diagram layout), OV-4, OV-5, OV-6b, OV-6c, OV-7
  - System Views: SV-1, SV-2, SV-4, SV-10b, SV-10c, SV-11
- Convert a MagicDraw UPDM/DoDAF model into a System Architect DoDAF encyclopedia, including diagram information
  - Operational Views: OV-2, OV-6c, OV-7, OV-3 (without diagram layout)*, OV-4*, OV-5*, OV-6b*
  - System Views: SV-1, SV4*, SV-10b*, SV-10c*
- Convert a Rhapsody UML model into a MagicDraw model
  - All semantic data covered by the Rhapsody XMI toolkit is imported into MagicDraw
  - Rhapsody SysML profile is mapped to MagicDraw SysML
  - Diagrams are preserved during the import
- Convert a MagicDraw model into a Rhapsody UML model, including diagram information
  - The semantic data handled by the export is what is converted by the Rhapsody XMI toolkit
  - MagicDraw SysML profile is mapped to Rhapsody SysML profile
  - Diagrams are preserved during the export

Interoperability Between Rhapsody And MagicDraw

By using the Rhapsody XMI Tool Kit, Cameo Inter-Op enables import and export of UML models between MagicDraw and Rhapsody.
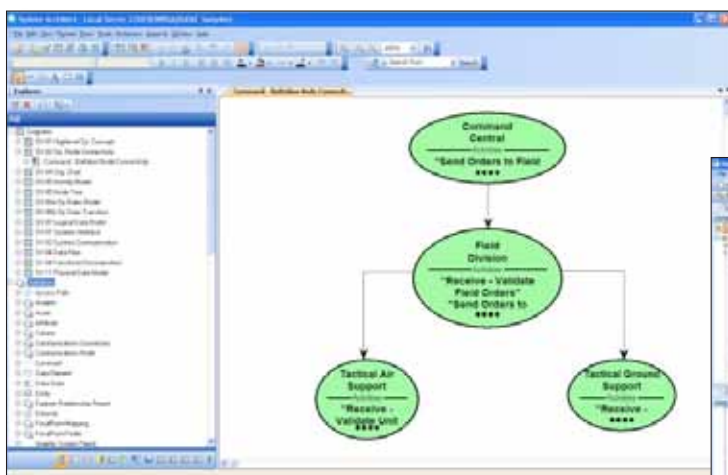
Conversion between System Architect and MagicDraw.

*September, 2010 Release
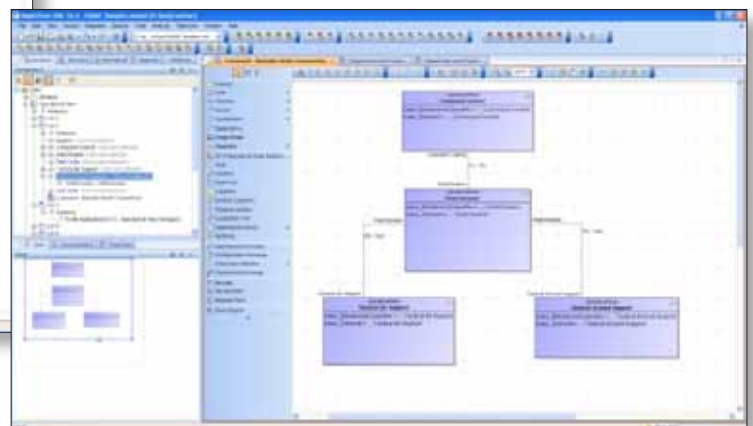
Cameo Inter-Op – Rhapsody Features

- Import Rhapsody UML model to MagicDraw UML model
- Export MagicDraw UML model to Rhapsody UML model
- Diagrams are preserved during the import and export
- Requires activation of the Rhapsody XMI Toolkit
- All semantic data covered by the Rhapsody XMI Toolkit is imported into MagicDraw

Cameo Inter-Op – System Architect Features

- Import System Architect DoDAF 1.5 model to a MagicDraw UPDM model
- Export MagicDraw UPDM model to System Architect DoDAF 1.5
- Diagrams are preserved during the import and export
- DoDAF views supported:
  - Operational Views: OV-2, OV-3, (without diagram layout), OV-4, OV-5, OV-6b, OV-6c, OV-7
  - System Views: SV-1, SV-2, SV-4, SV10b, SV-10c, SV-11
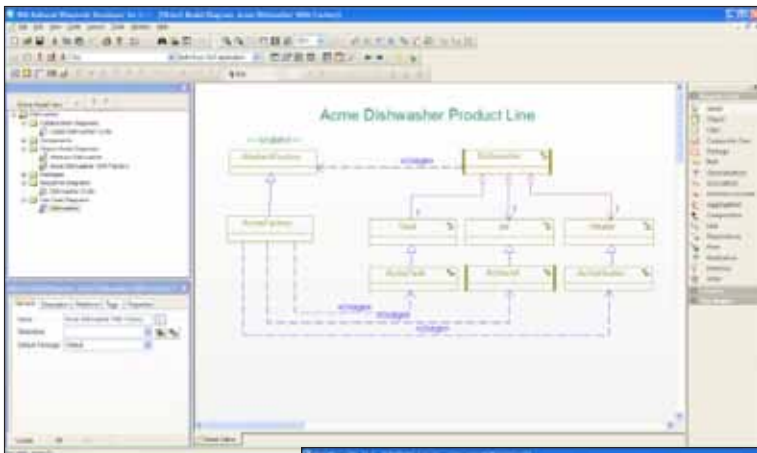
Conversion between Rhapsody and MagicDraw.
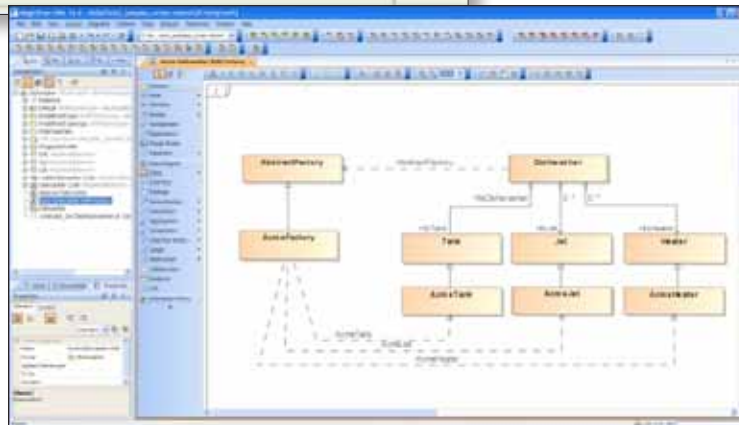
Business Benefits Overview

- Maximizes reuse of capital, tool licenses and intellectual property
- Reduces the cost of maintaining consistency
- Ensures that data for current and future projects will always be accessible, lowering business risk
- No Magic maintains ongoing awareness of competitors' proprietary formats to ensure true interoperability between products
- Transparency is optimized – teams are no longer limited to a one-tool solution, allowing for a combination of vendors' tools working together seamlessly
- Improved project ROI due to ability to utilize existing legacy tools

Cameo Inter-Op:
True Industry Interoperability With Rhapsody And System Architect

Cameo Inter-Op – System Requirements

- Java 6 or higher
- Windows Operating System
- MagicDraw 16.6 or higher
- MagicDraw UPDM plugin, if you intend to exchange data with System Architect
- IBM Rational Rhapsody 7.4.1 or higher, with the Rhapsody XMI Toolkit activated
- IBM Rational System Architect 10.4 or higher

Cameo Workbench

This optional product (release September 2010) enhances Cameo Inter-Op by providing customers control of their own interoperability destiny by being a platform to wire up their own connectors or tweak our supplied mappings to interoperate with other product formats. In addition, editable mapping rules are supplied for the following products:

- System Architect® 10 and 11
- MagicDraw® (16.6+ versions supported)
- UML® 2 (2.1.2 (2007-11-04) versions supported)
- UML® 1.3 (1.3 (2001-09-67) versions supported)
- Rational Rose® (2005 versions supported)
- Rational RSx® (7.5.x versions supported)
- Matlab® Simulink® (R2007a and R2010a versions supported)
- Excel® (all versions supported)
- DOORS® (8.1 to 9.2 versions supported)
- Vitech CORE® (4.0 to 6.0 versions supported)
- Rational Statemate (4.0 MR2 - 4.6 versions supported)
- RIF (1.1a versions supported)
- Visio®* (Office Visio 2003 and 2007)
- PowerPoint®* (1997 to 2007)

UNIFIED MODELING LANGUAGE UML™

No Magic, Inc.
7304 Alma Drive, Suite 600
Plano, Texas 75025
Phone 214.291.9100
sales@nomagic.com
www.nomagic.com
www.magicdraw.com