MagicDraw 18.0

MagicDraw 18.0 release goals

- Integrate MagicDraw with the new Cameo Enterprise Data Warehouse technology
- Introduce new Cameo Requirements Modeler plugin (based on SysML) with basic requirements modeling capabilities
- Add Glossary support
- Analyze models using new metrics
- Increase modeling performance
- Support UML 2.5
- Enhance support for viewing inherited elements, scripting, and instances

Cameo Enterprise Data Warehouse integration (not publicly available yet)

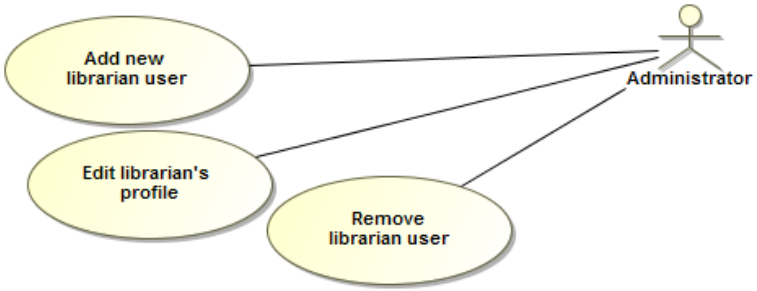
MagicDraw-CEDW integration benefits:

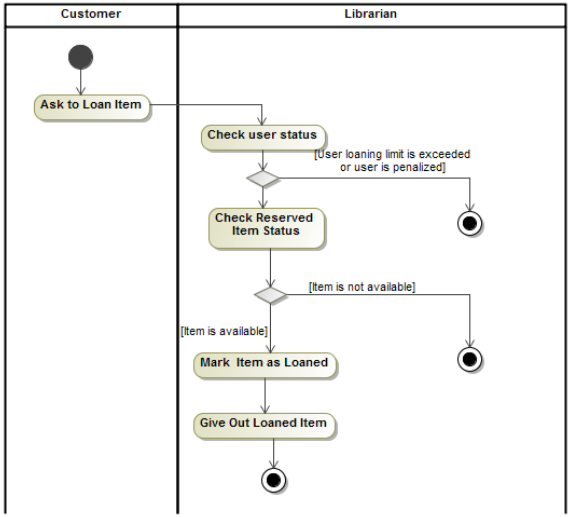
- Fast project load, commit and update (lazy load support)
- RBAC support

NEW PLUGIN FOR MODEL-BASED REQUIREMENTS MANAGEMENT

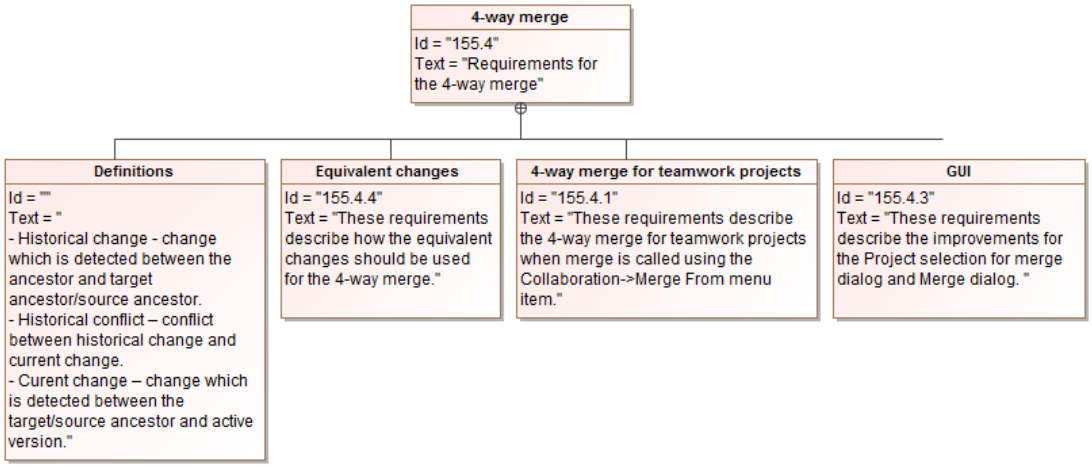
Problem (1)

- Software engineers have Use Cases in MagicDraw to specify requirements

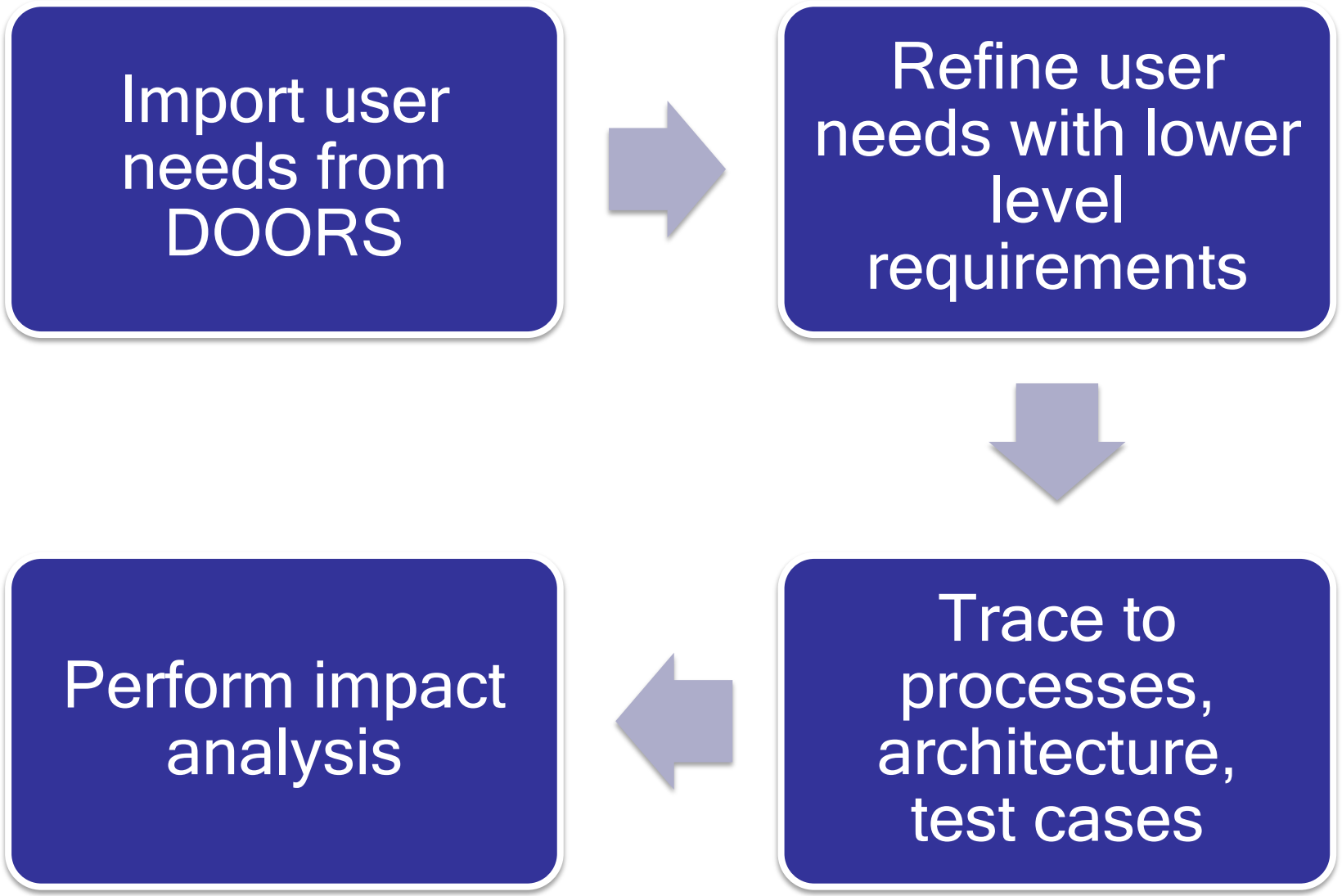




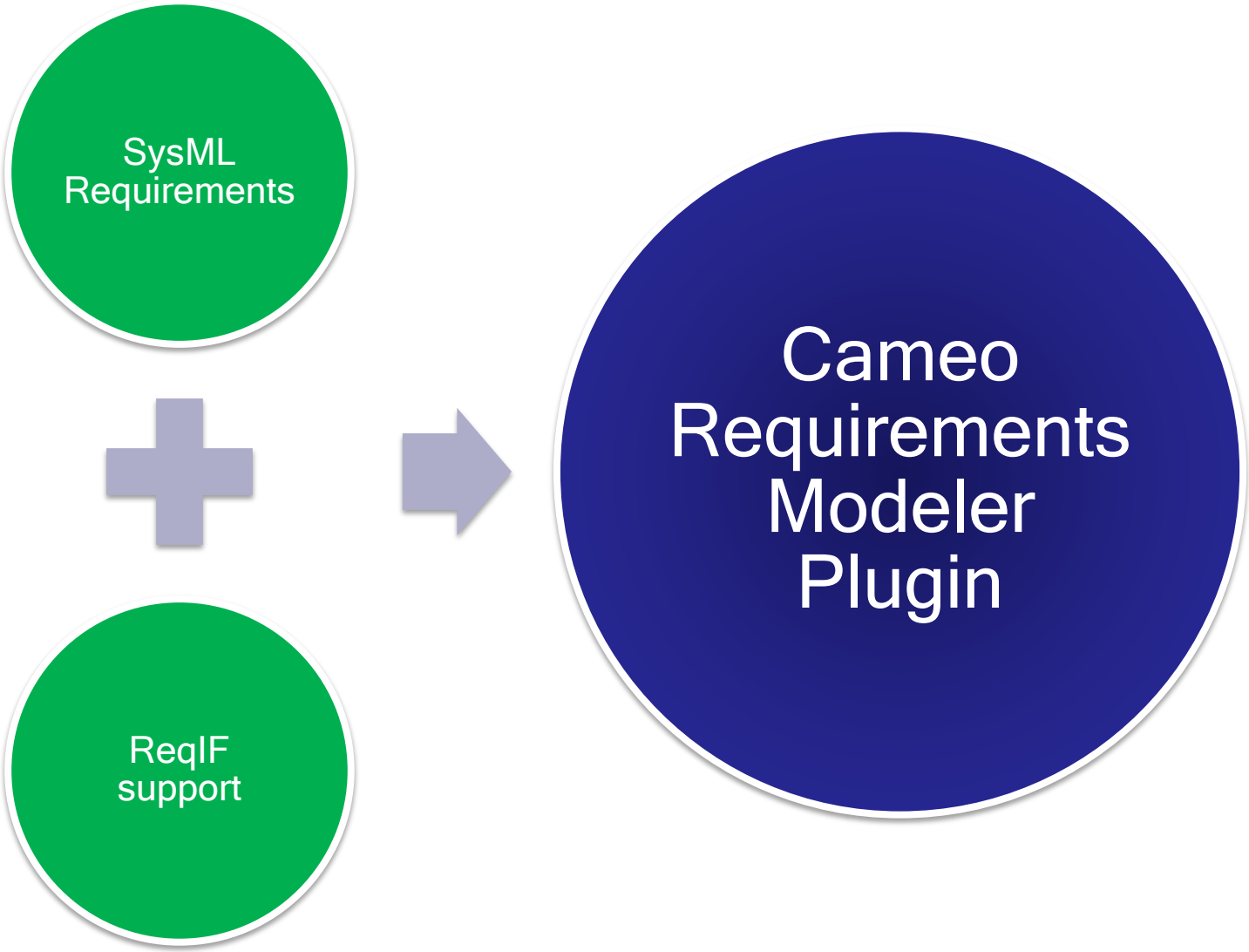
- Software engineers <u>WANT MORE</u> :



Problem (2)


Import user needs from DOORS
Refine user needs with lower level requirements
Trace to processes, architecture, test cases
Perform impact analysis

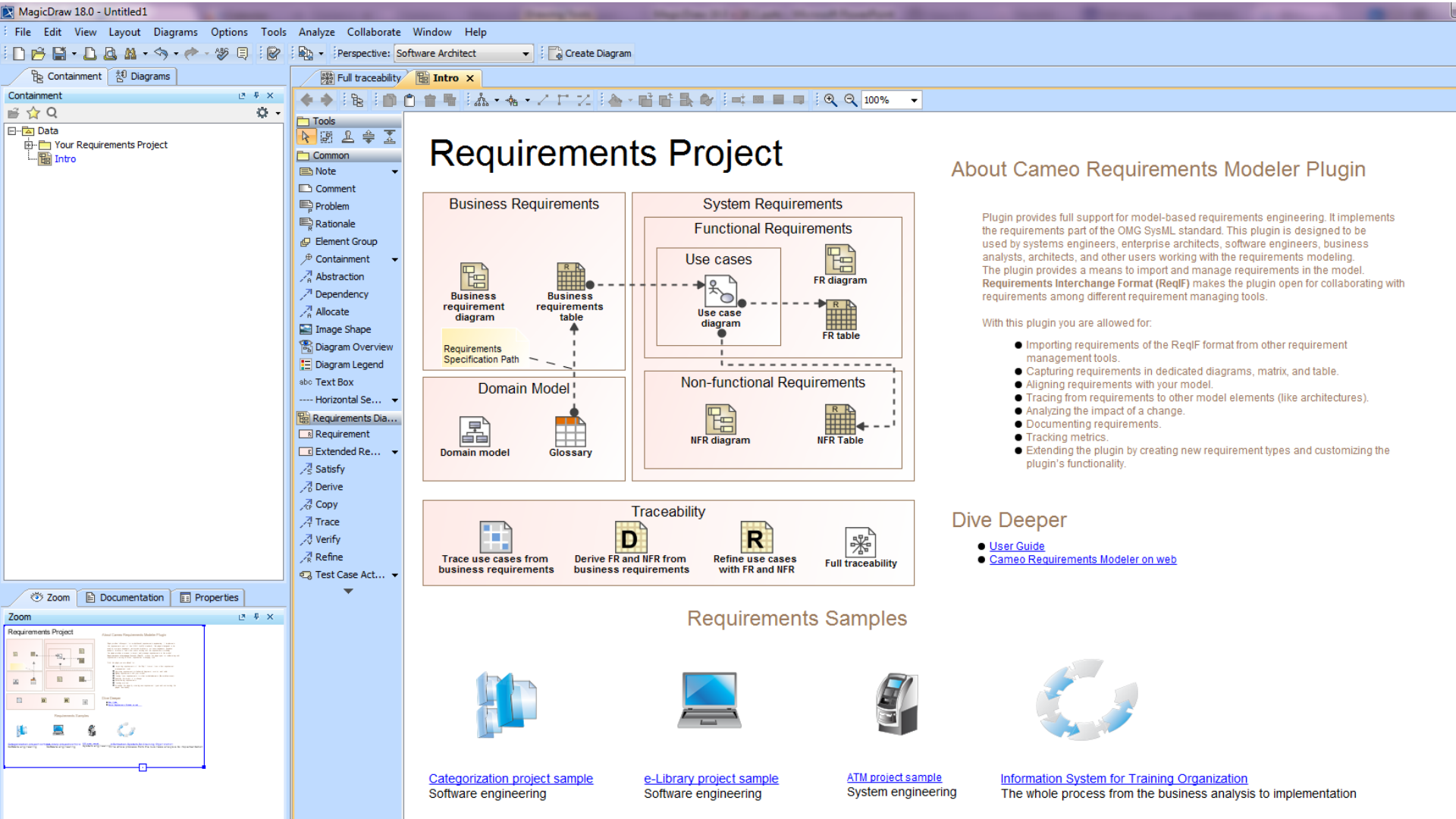
Product concept



New Value Propositions

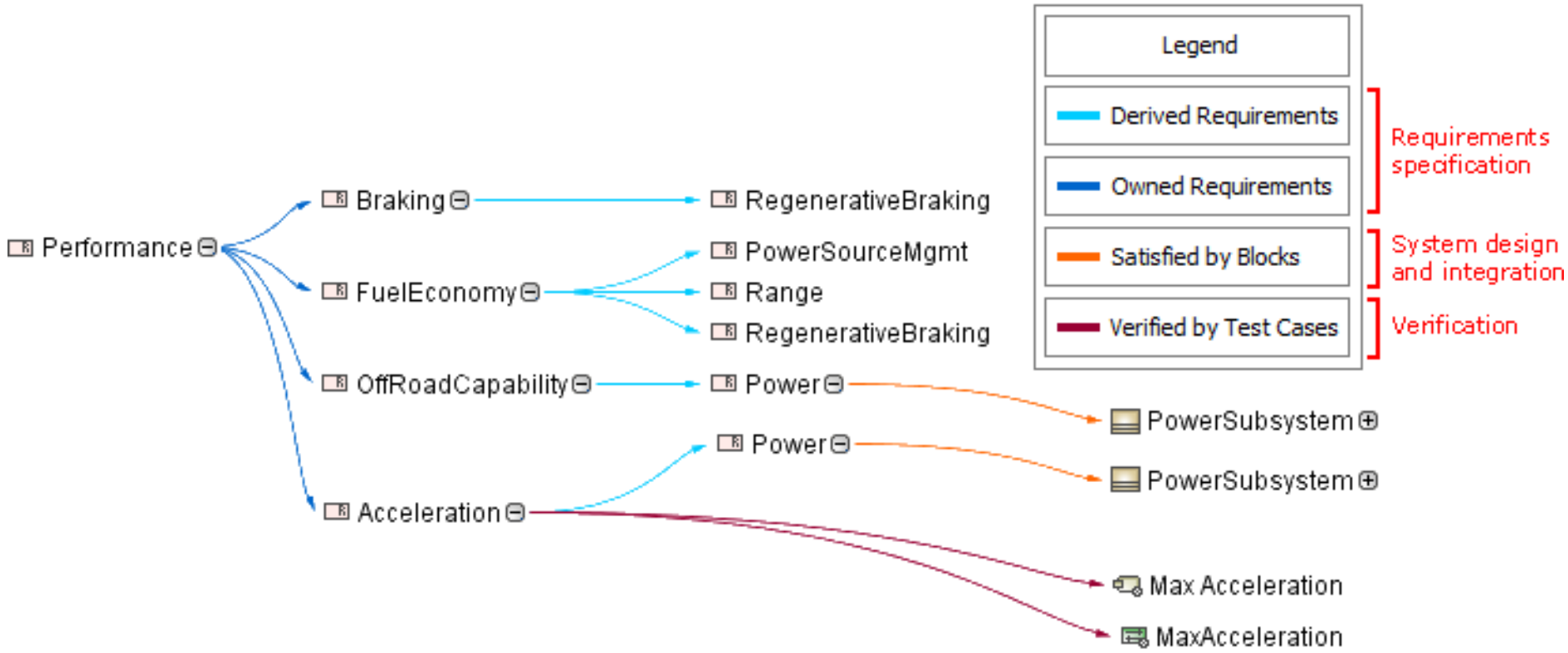
- Easy startup and development
- Easily identify the scope and impact of a change
- Requirements Integration
- Automatically identify coverage gaps
- Improved support for metrics
- A new Web Portal for non-MagicDraw users

Easy startup and development

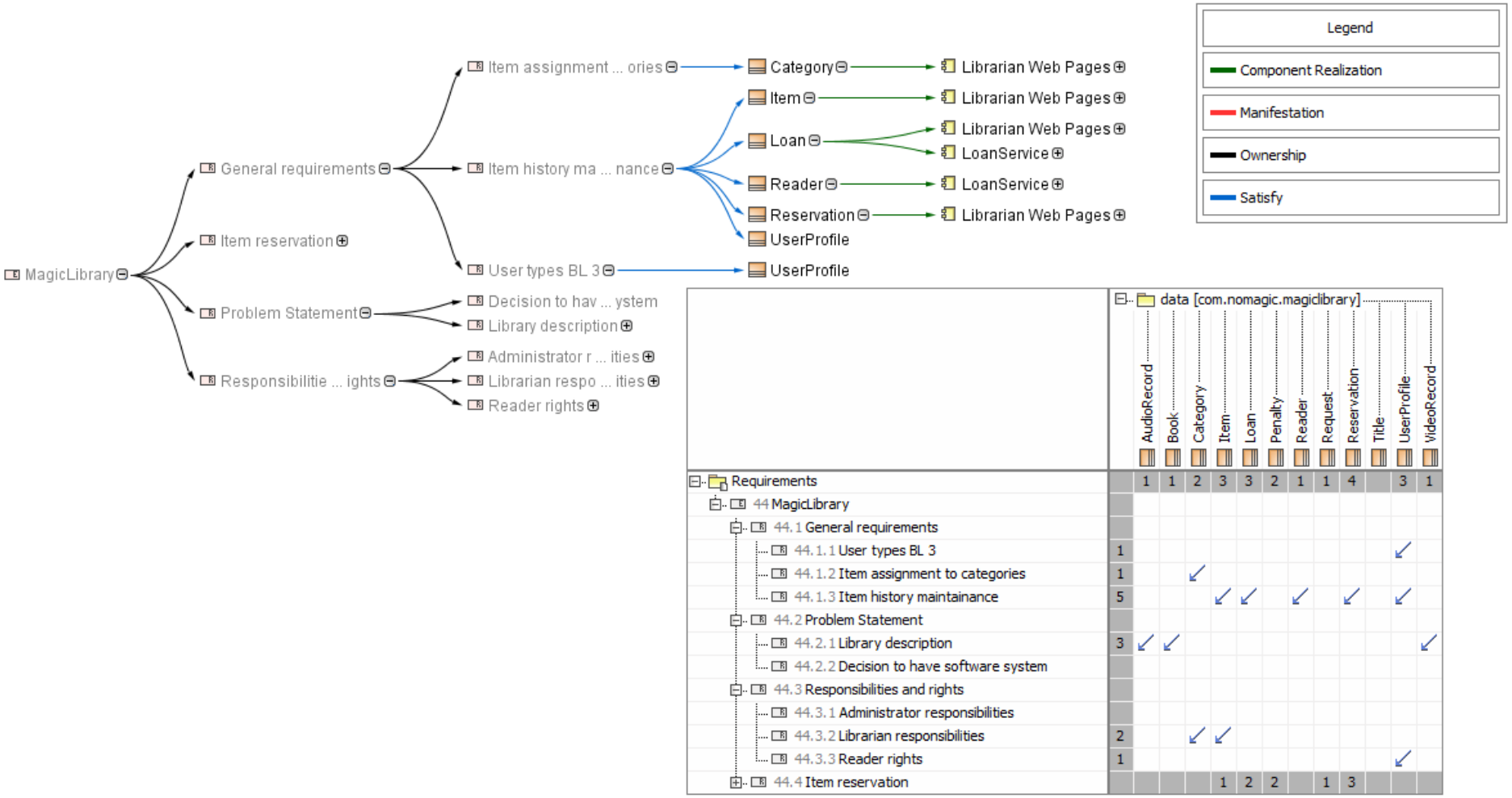


Easily identify the affects of changes

- Trace from requirements to other model elements of business, software, or systems architectures



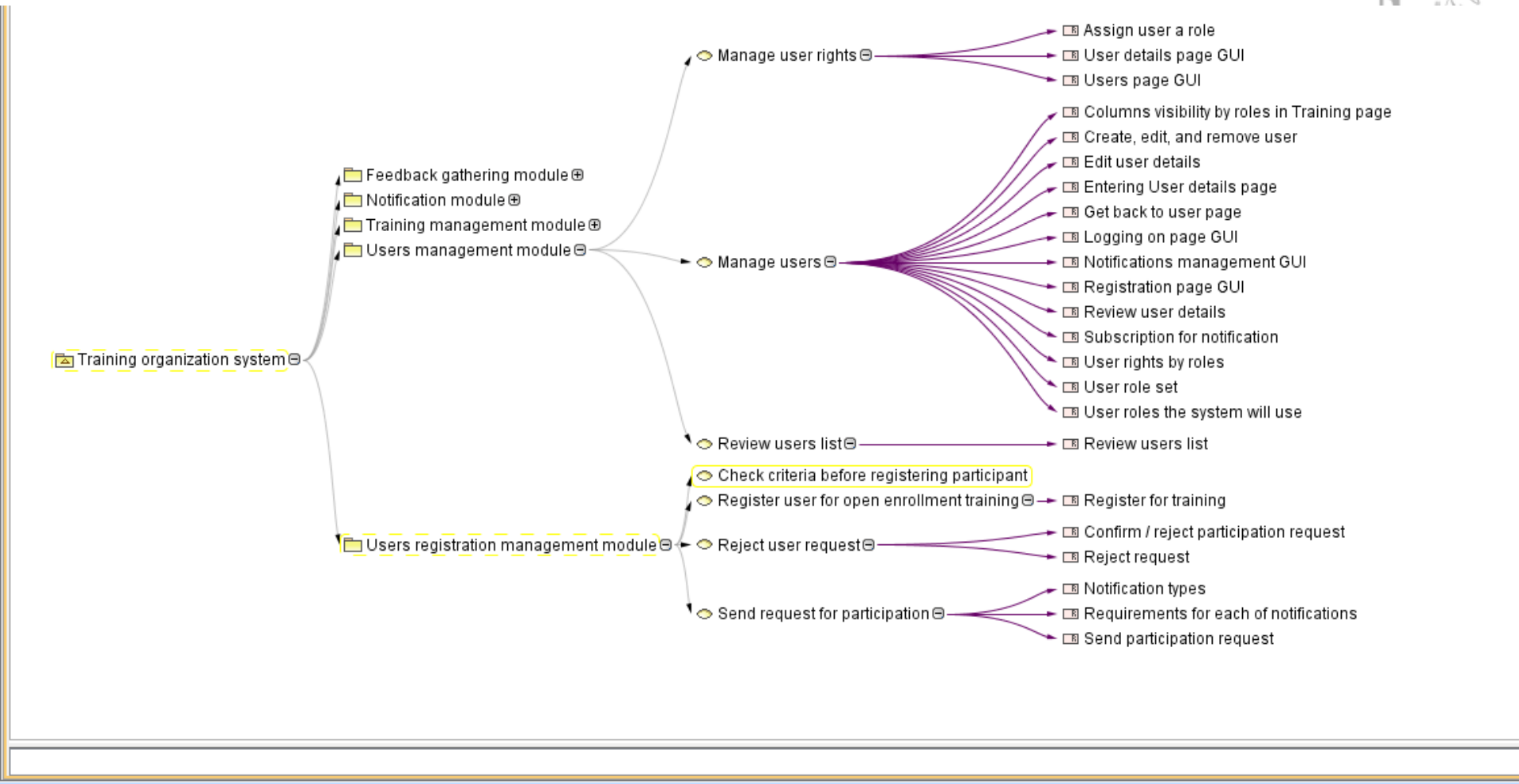
Easily identify the affects of changes



Requirements Integration

- Cameo DataHub provides seamless integration with IBM DOORS and RequisitePro
- Import requirements in a standardized ReqIF file from other requirements management tools, such as IBM DOORS 9.4 and 9.5, IBM DOORS Next Generation, PTC Integrity, Polarion, and Siemens TeamCenter
- Capture requirements in dedicated diagrams, matrices, and tables
- Customize the Requirements plugin and create new requirement types

Automatically identify coverage gaps



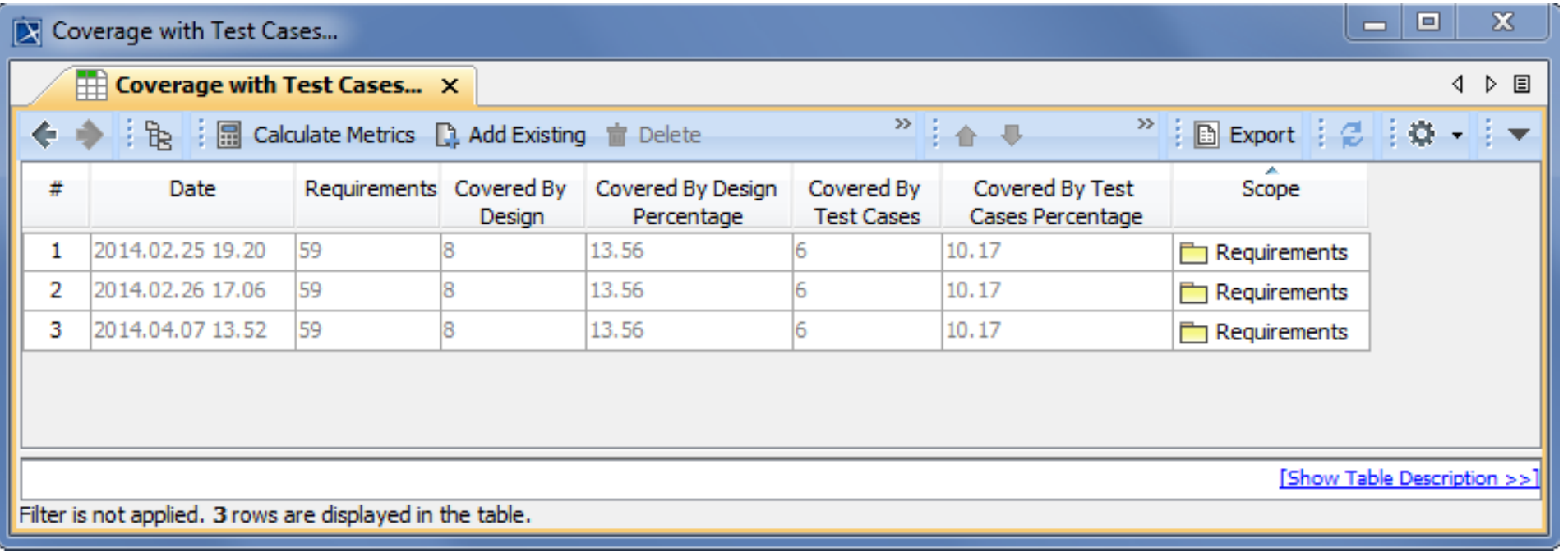
Active Validation Results

Active Validation Results

Element	Severity	Abbreviation	Message
Validation			
Check criteria before registering participant	warning	Lack of Req	UseCase is not described in system requirements
Perform late registration	warning	Lack of Req	SubProcess is not described in high level requirements
Perform training	warning	Lack of Req	SubProcess is not described in high level requirements
Prepare for training	warning	Lack of Req	SubProcess is not described in high level requirements

Value propositions

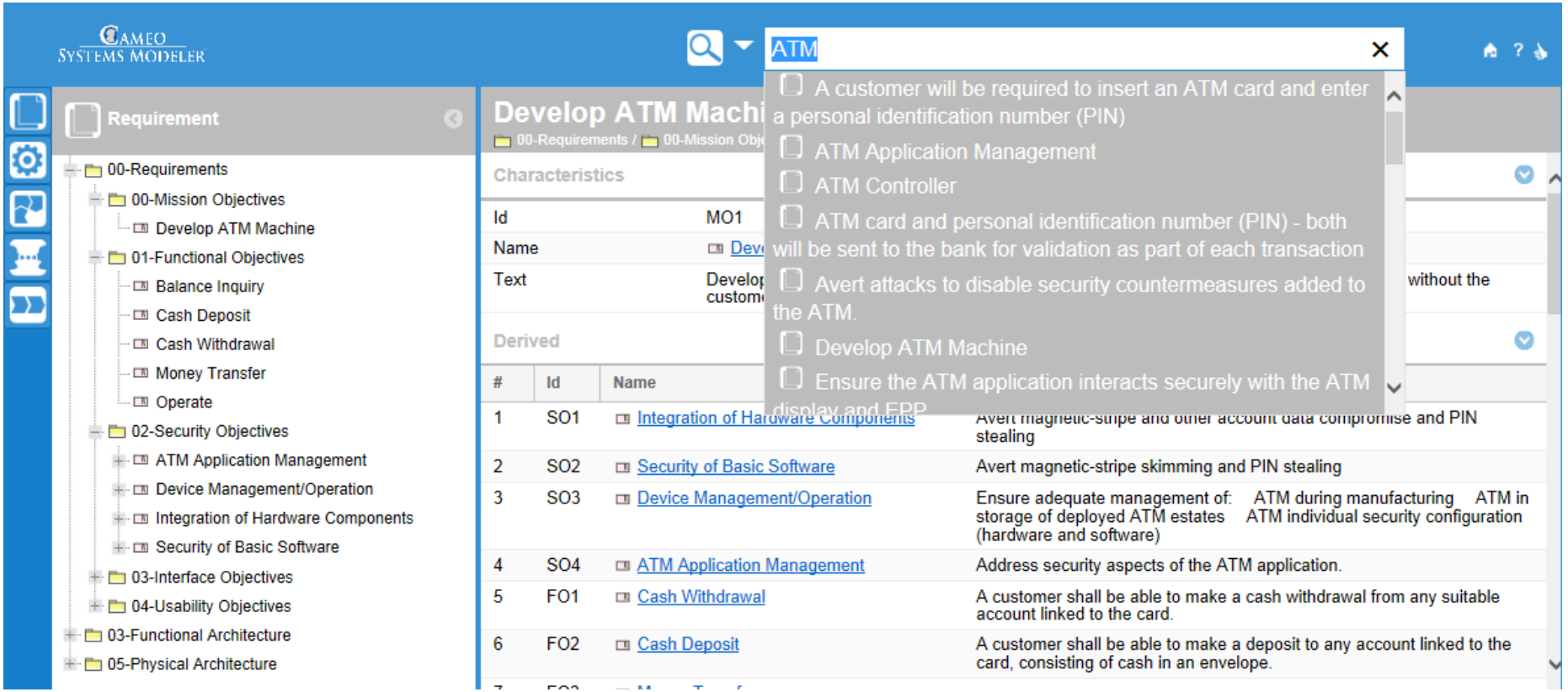
- Improved support for metrics
  - Custom metrics
  - Coverage by design
  - Coverage by test cases



#	Date	Requirements	Covered By Design	Covered By Design Percentage	Covered By Test Cases	Covered By Test Cases Percentage	Scope
1	2014.02.25 19.20	59	8	13.56	6	10.17	Requirements
2	2014.02.26 17.06	59	8	13.56	6	10.17	Requirements
3	2014.04.07 13.52	59	8	13.56	6	10.17	Requirements

Value propositions

- New Web Portal



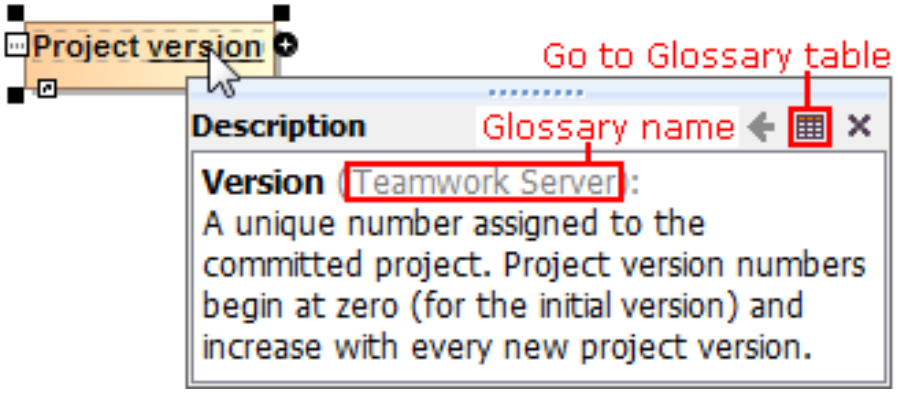
Process portal works in the new BMW 535 ☺

NEW GLOSSARY SUPPORT

Glossary

- Define your terms in one place and later use them consistently in your project

#	Term	Description
1	Author	A user who has committed a new project version.
2	Comment	Optional description of changes in the committed version.
3	Project	A physical working unit that consists of model, model visualizations (diagrams, tables, matrices, etc.), configuration data, and references to other elements residing in modules.
4	Project category	Project category concept which enables visual grouping of projects in Teamwork Server repository.
5	Repository	A storage place for projects and their versions managed by the Teamwork Server.
6	Version	A unique number assigned to the committed project. Project version numbers begin at zero (for the initial version) and increase with every new project version.



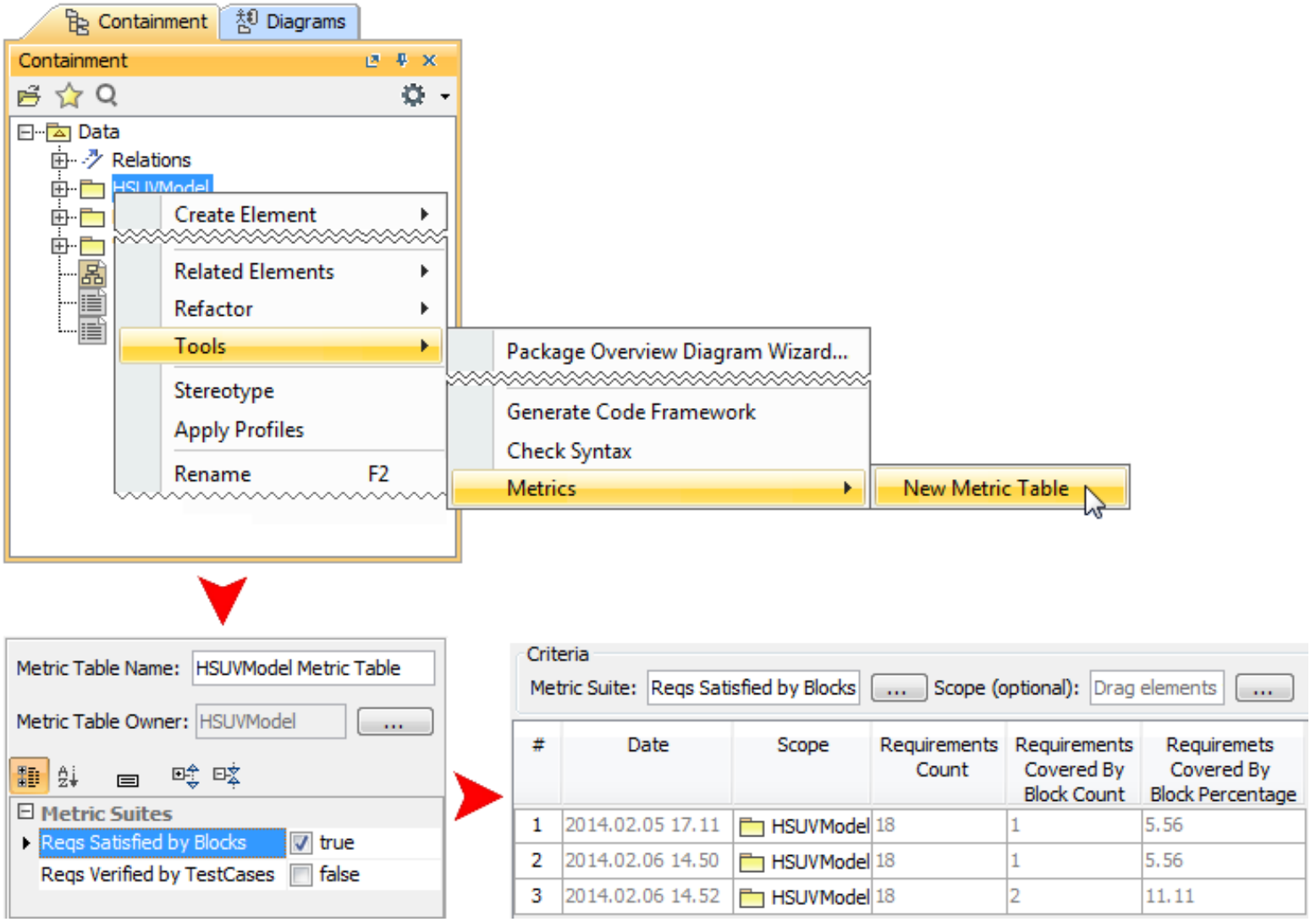
A NEW APPROACH FOR MANAGING METRICS

New metrics support

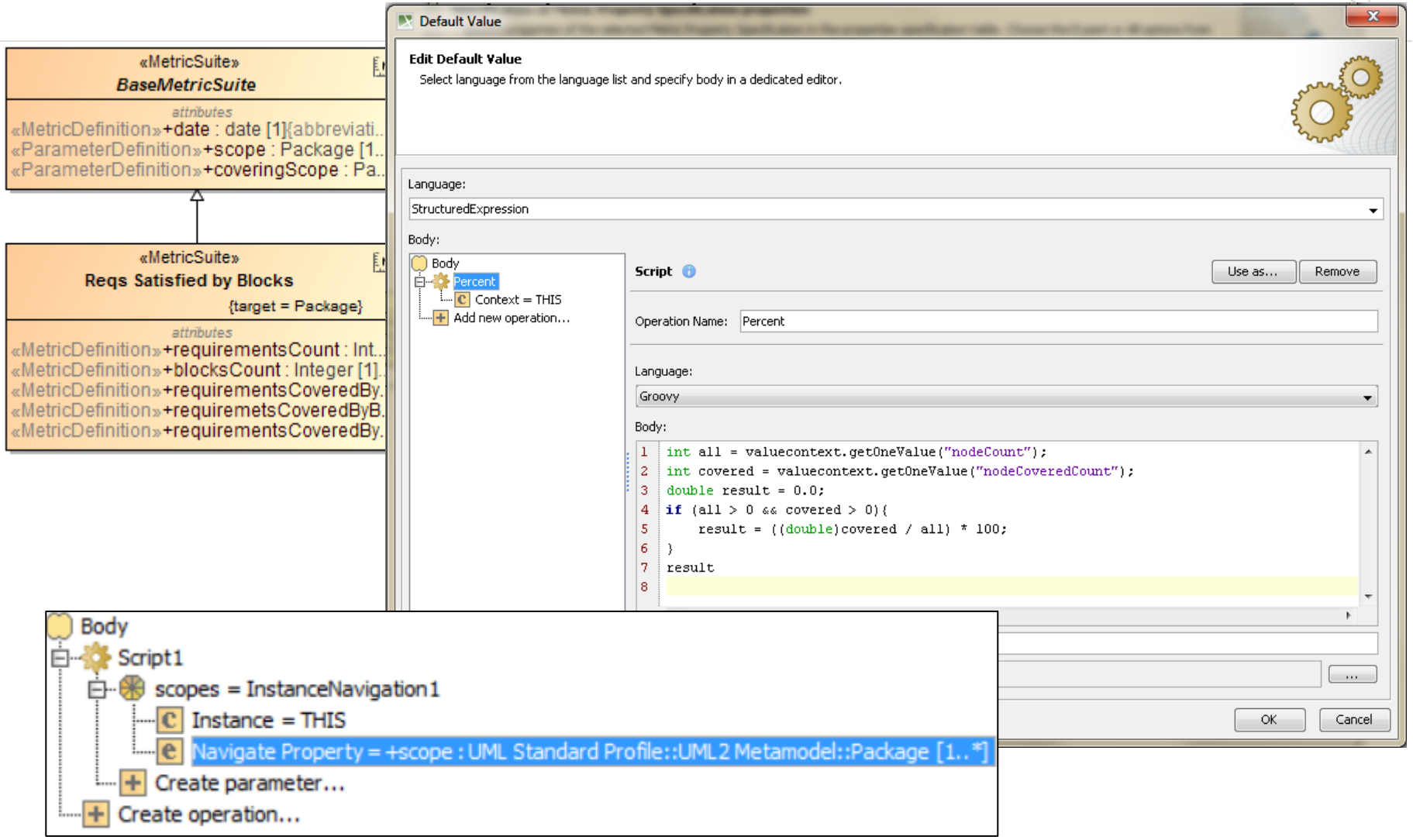
With this new approach you can:

- Create metric suites
- Track your metrics over time
- Use parameters to calculate metrics
- Easily customize the presentation of the metrics in the Metric Table

Create custom Metric Tables



Easy metrics definition



INTERFACE ENHANCEMENTS

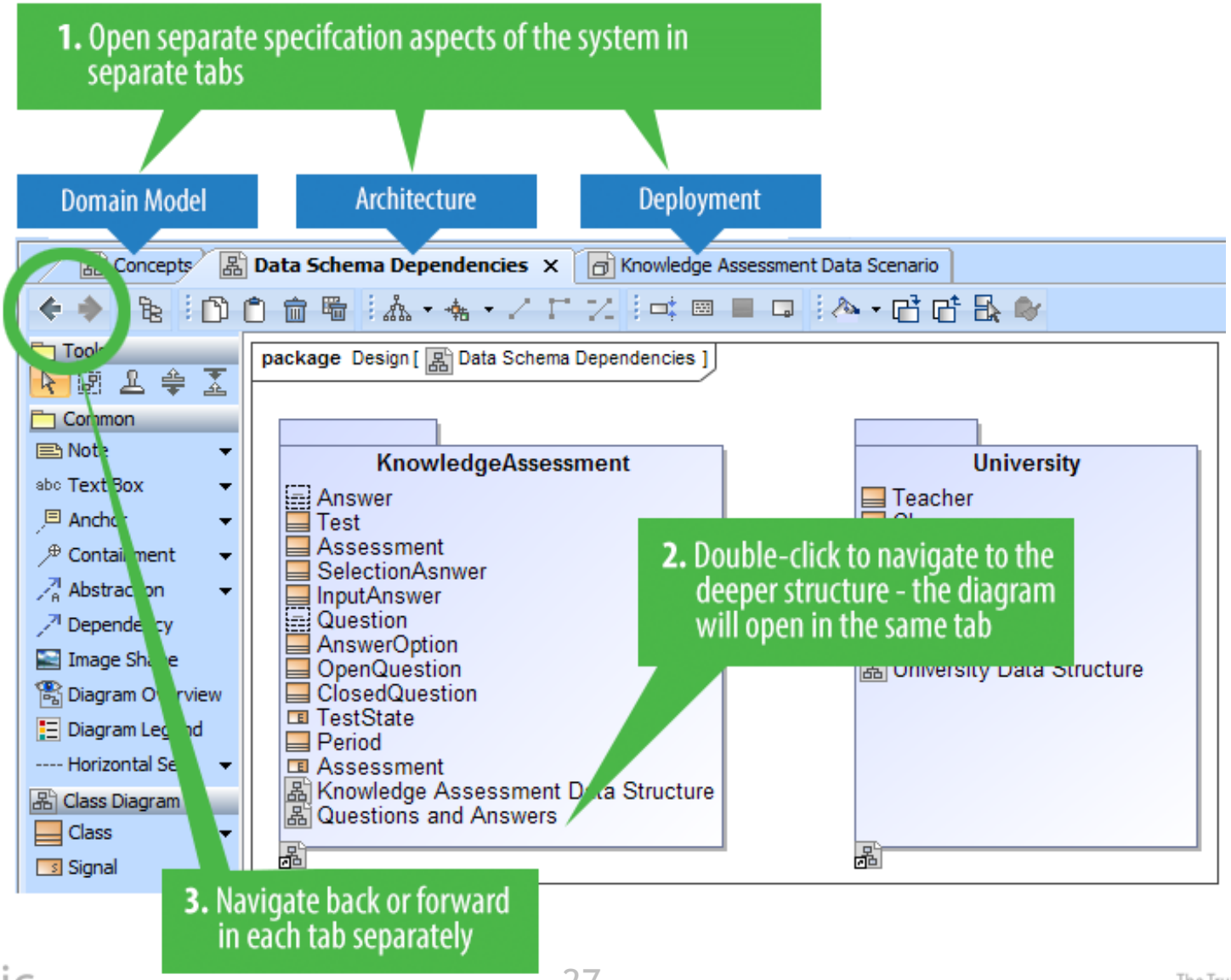
Interface Enhancements

- Path layout
- Tab Browsing
- Creating diagrams
- Using shape compartments
- Shortcut menus
- Managing symbol properties
- Displaying inherited properties
- New Instance tables
- Improved support for scripting languages
- Document Modeling plugin

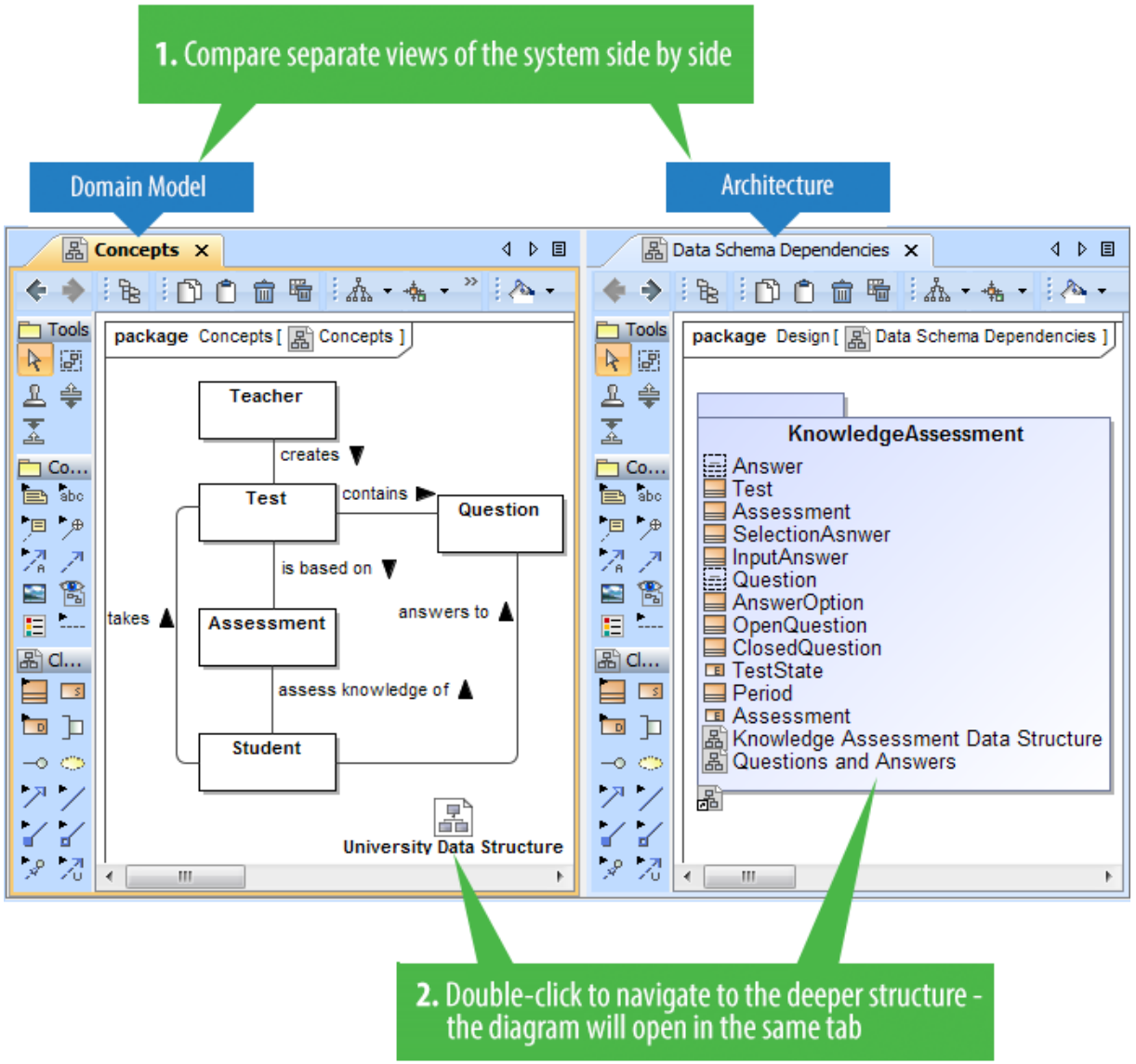
Path layout improvements

- Paths now avoid overlapping other symbols, substantially reducing the diagram editing to clean up the paths.
- Future enhancement to redraw paths when changing the size one of the connected shapes.

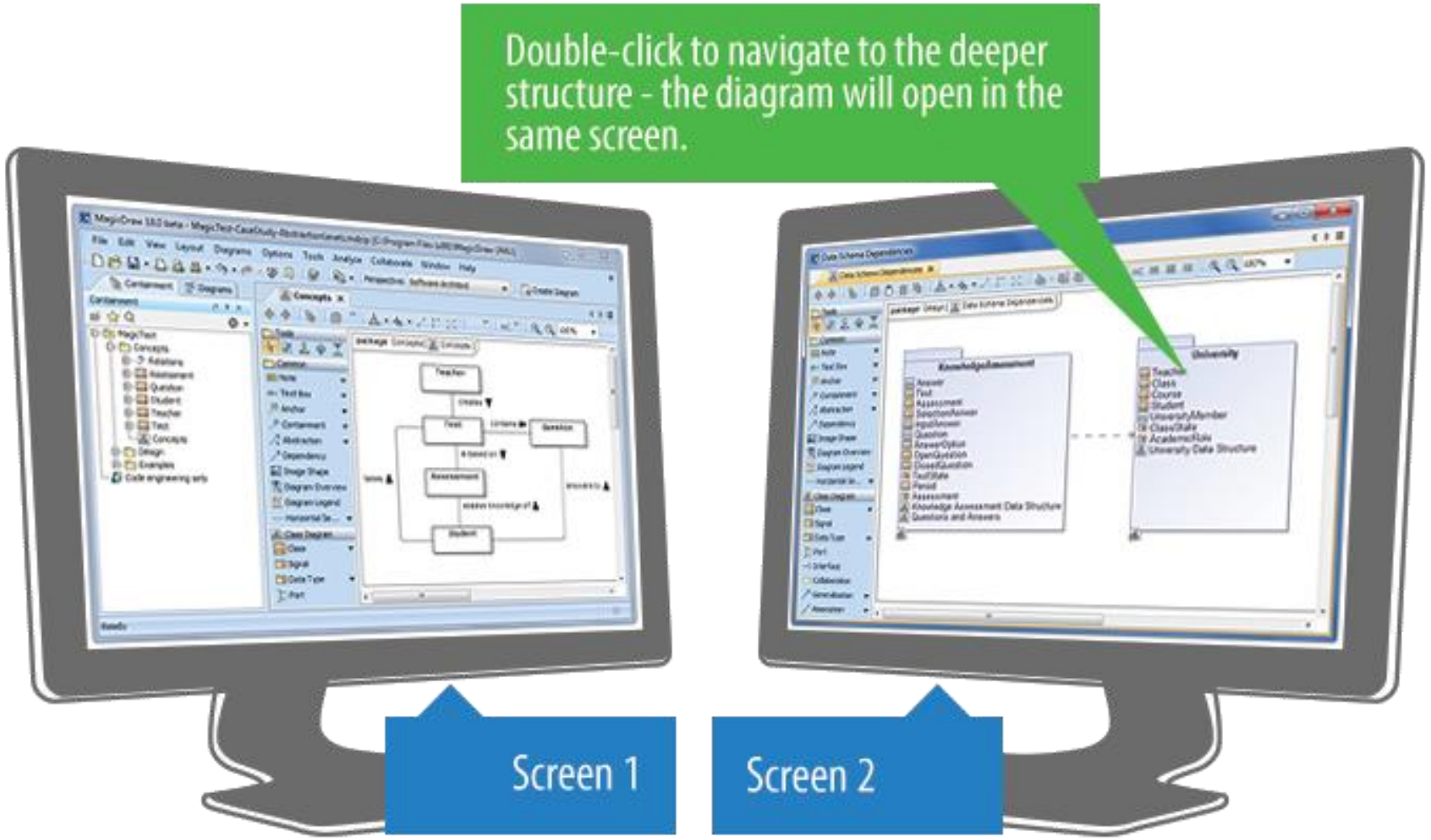
Tabbed browsing: analyze different aspects of the system in separate tabs



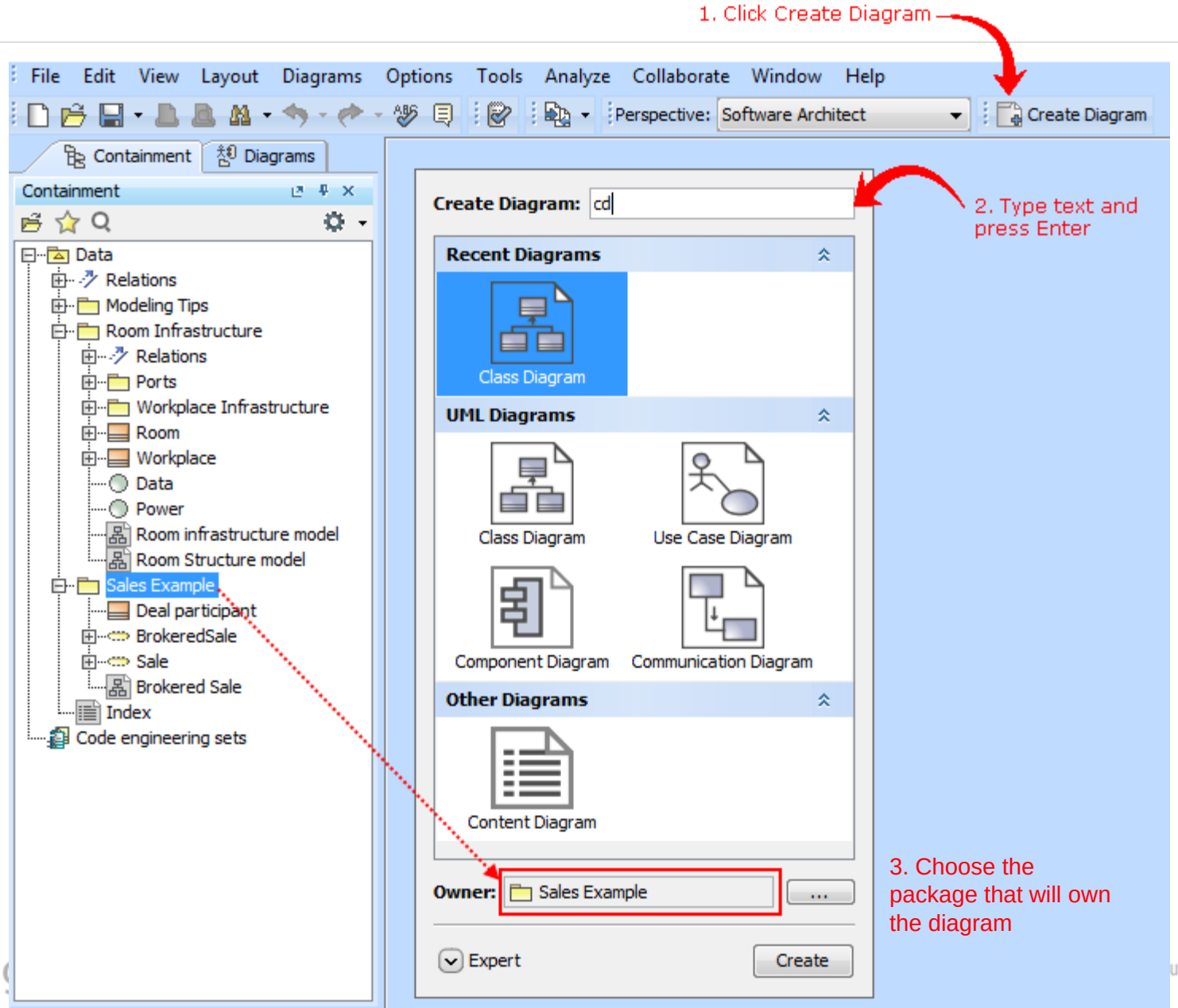
Tabbed browsing: compare separate views of the system side-by-side



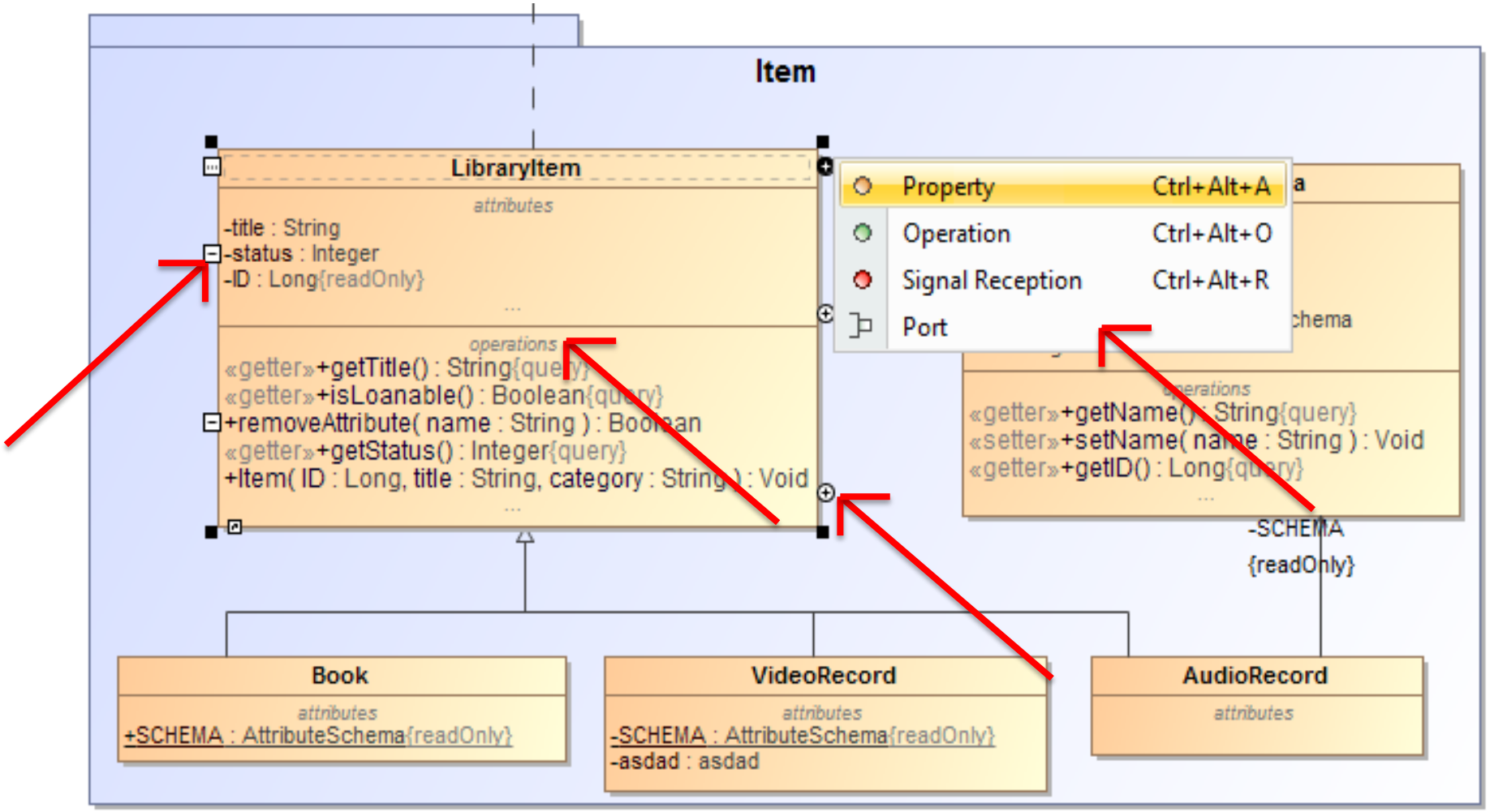
Tabbed browsing: smooth work with multiple screens



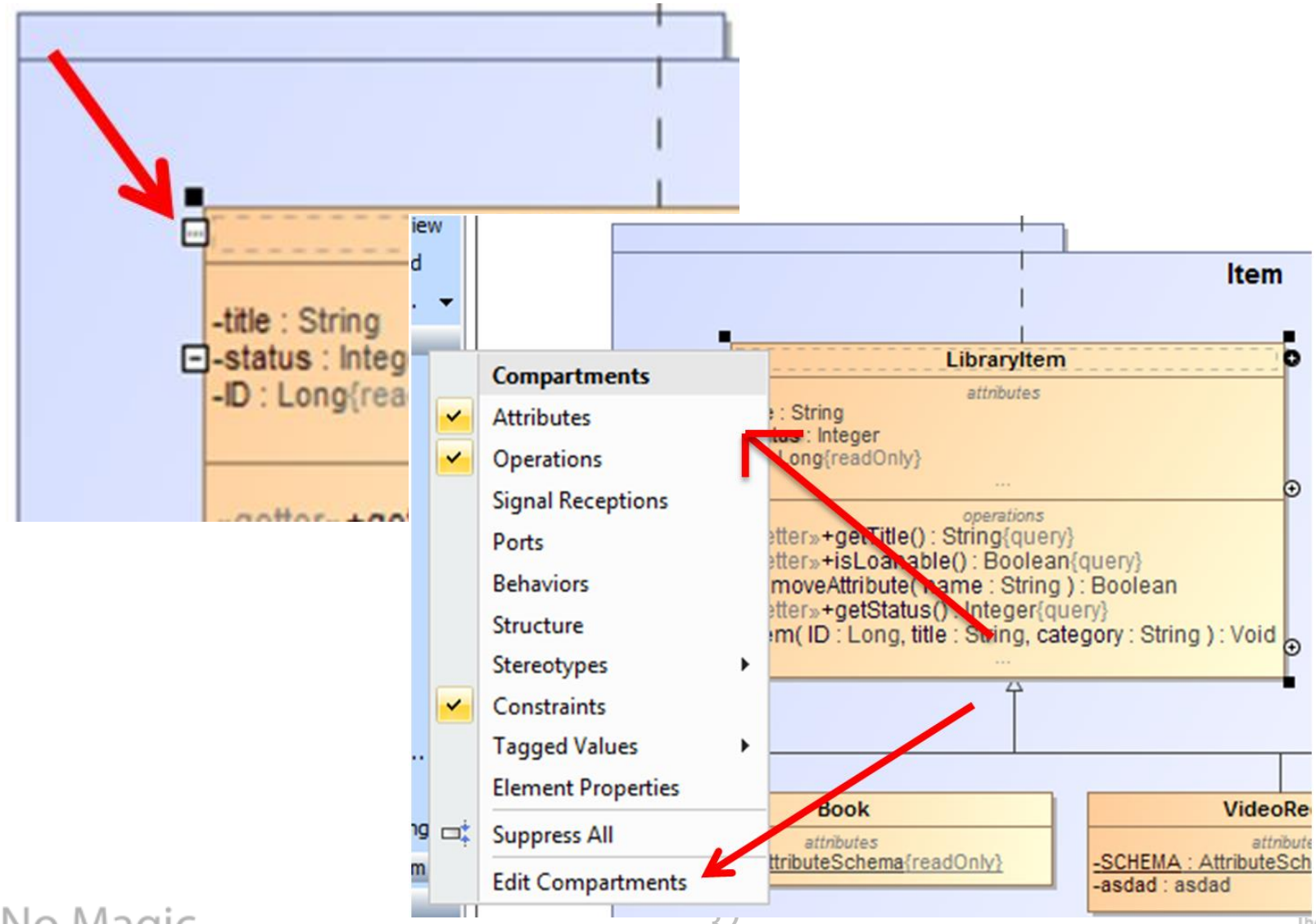
Quick diagram creation



Redesigned shape compartment management (1)

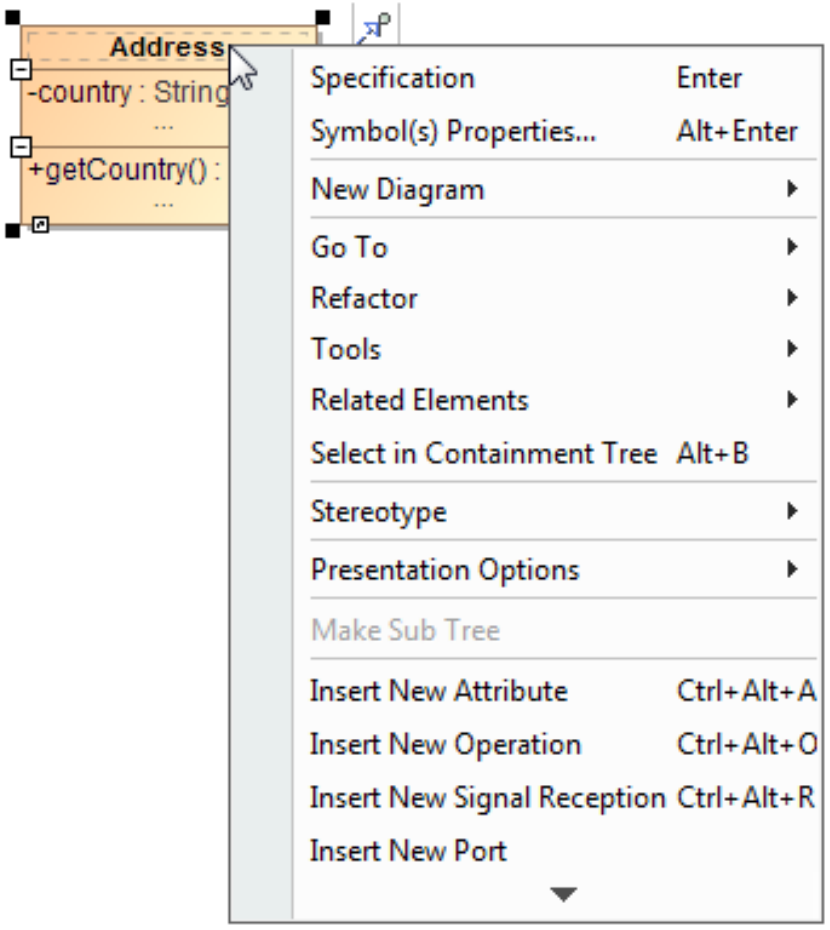


Redesigned shape compartment management (2)

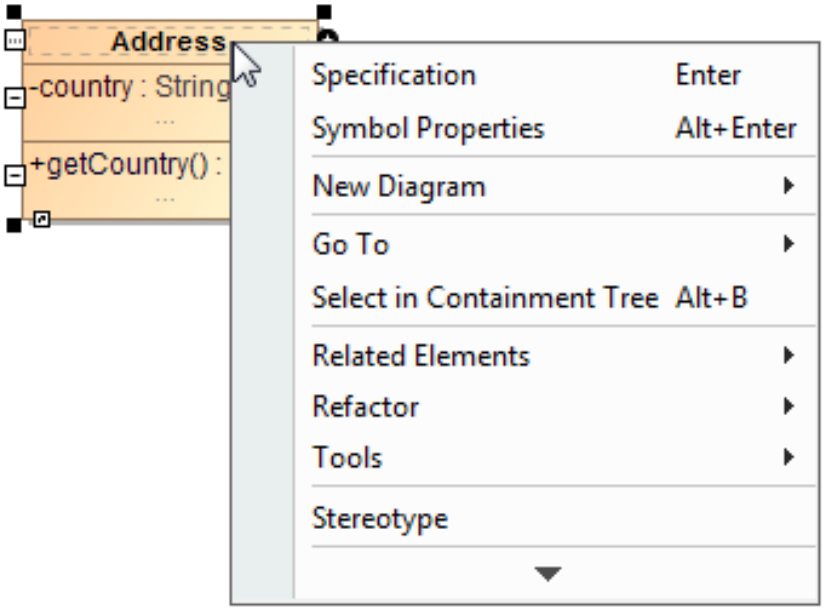


Simplified shortcut menus

In earlier versions



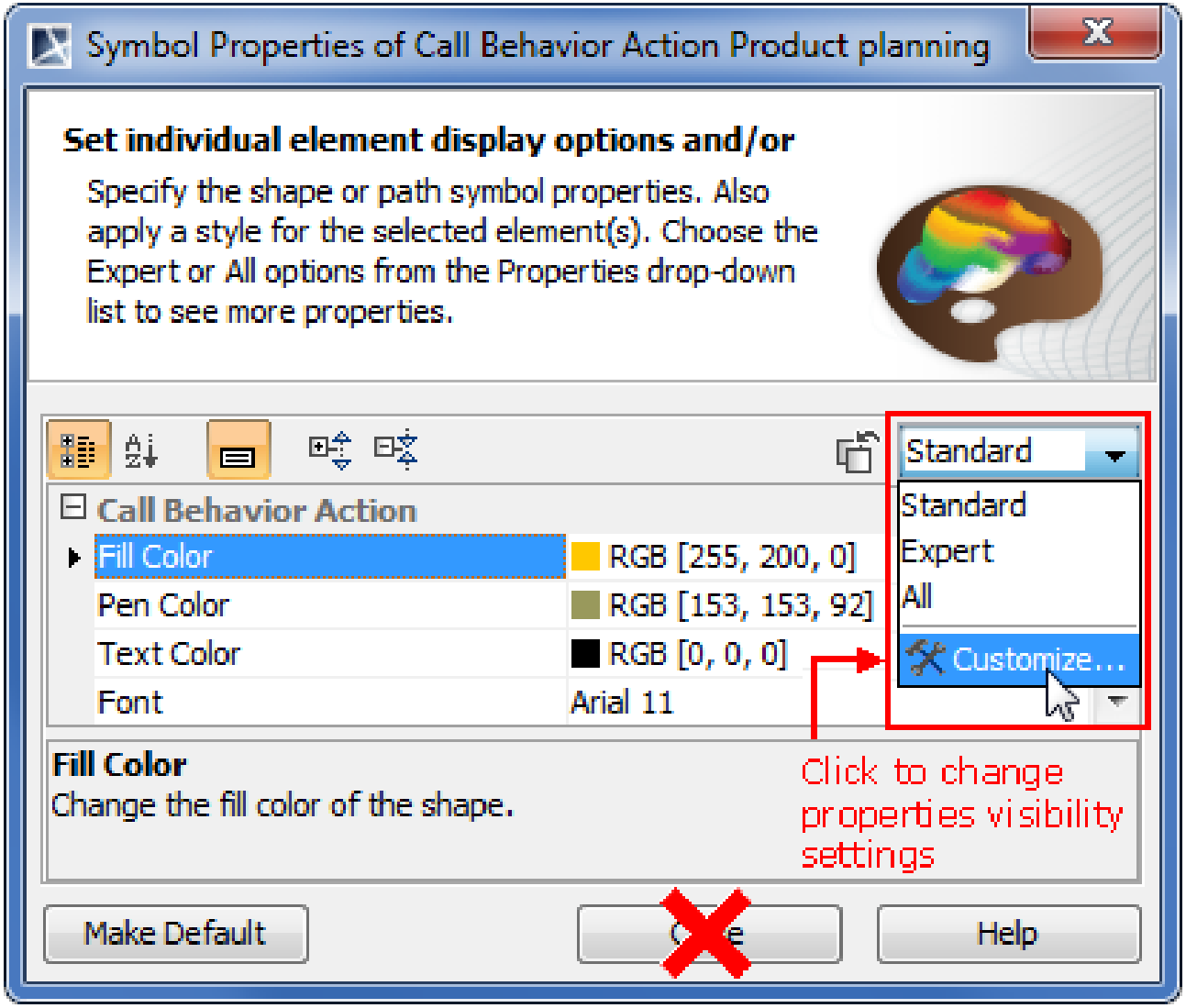
In 18.0



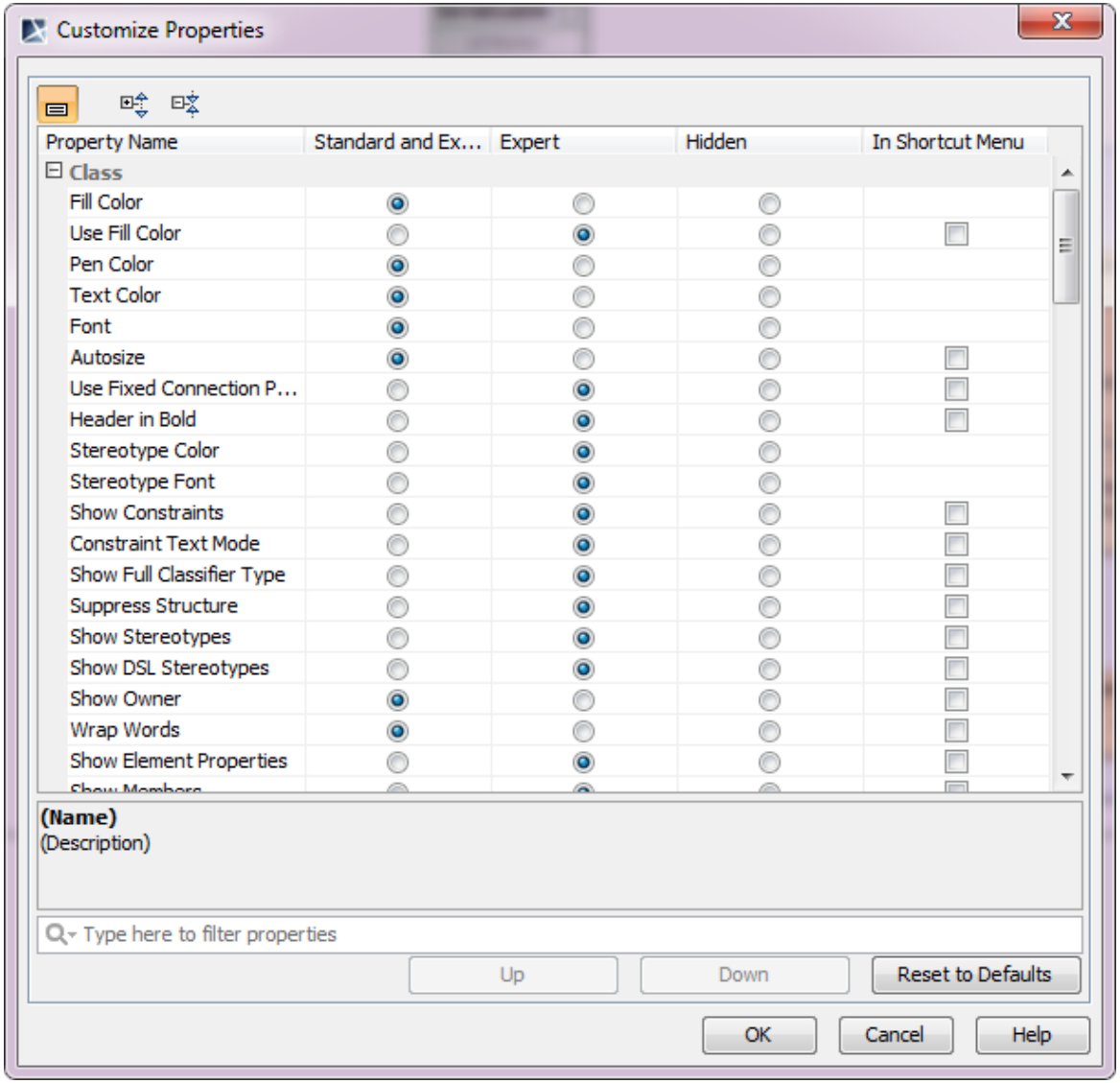
Redesigned Symbol Properties (1)

Product planning

Product planning

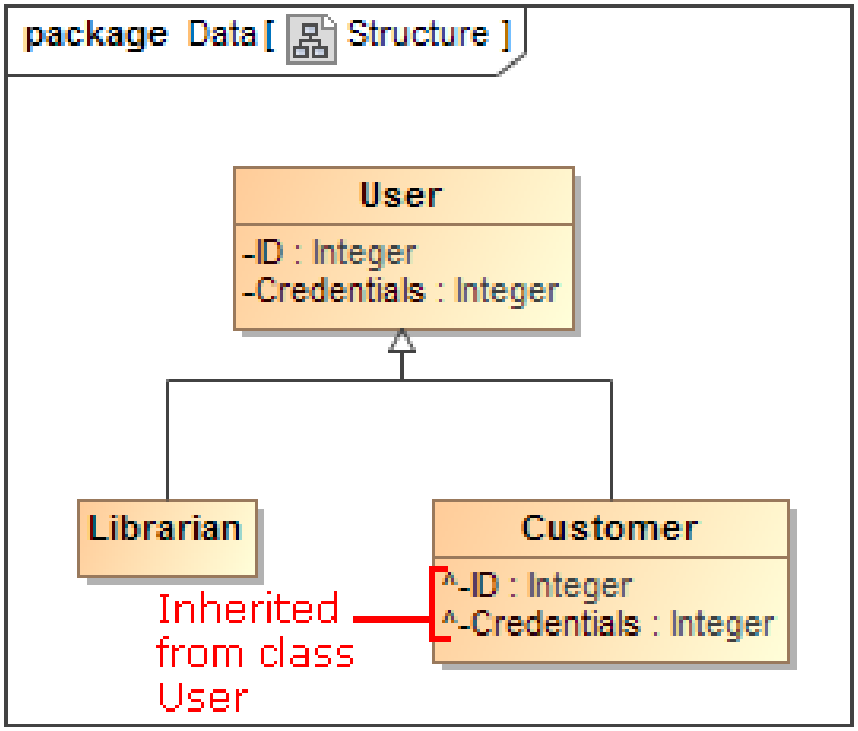


Redesigned Symbol Properties (2)

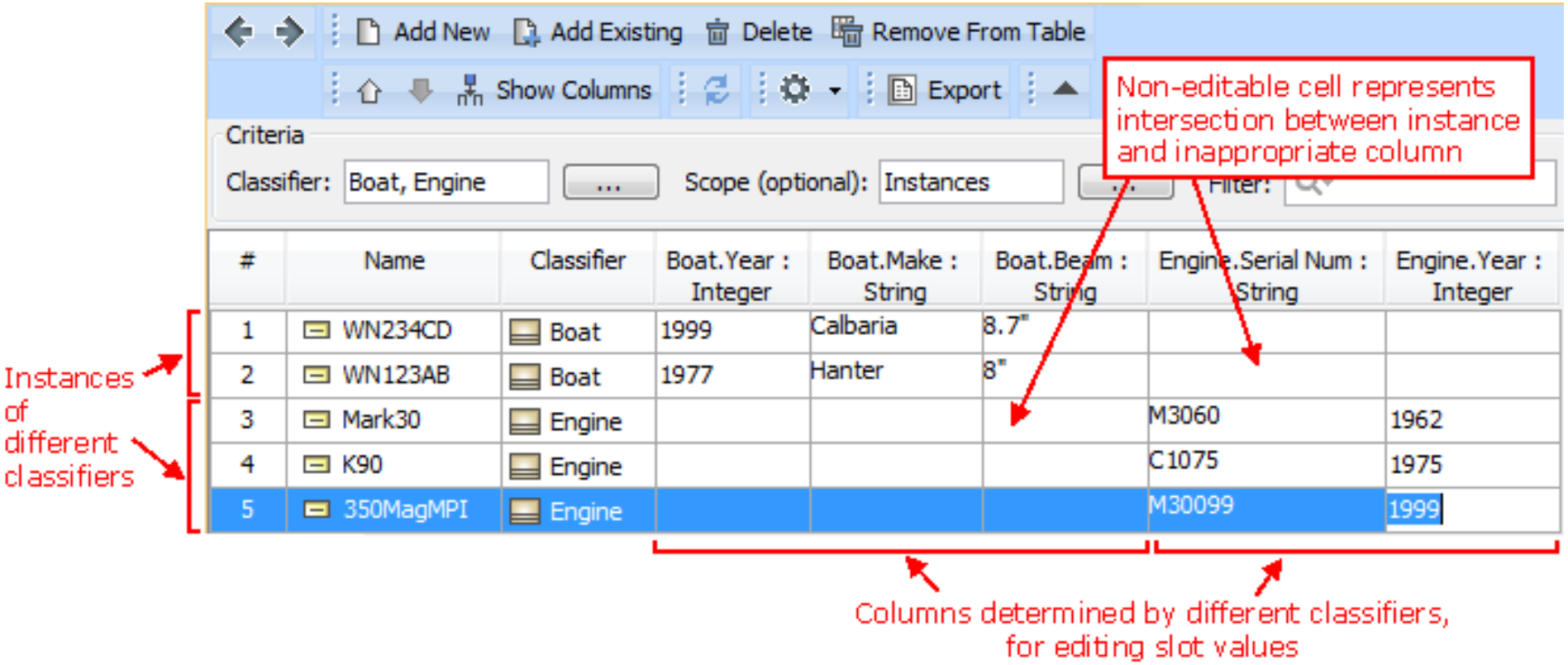


Display of inherited members

- All inherited members, such as attributes and operations can be easily identified on an element's shape using the caret "^" notation.



Instance tables

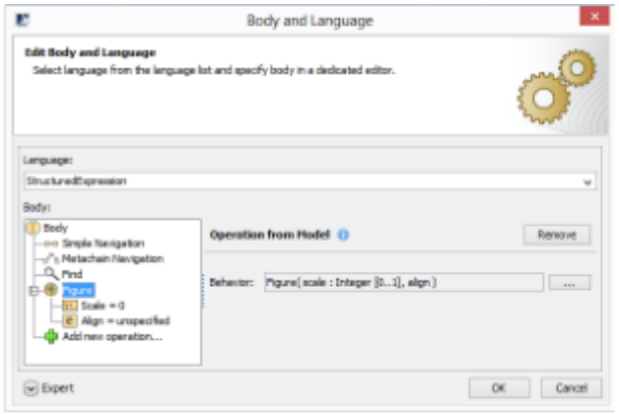


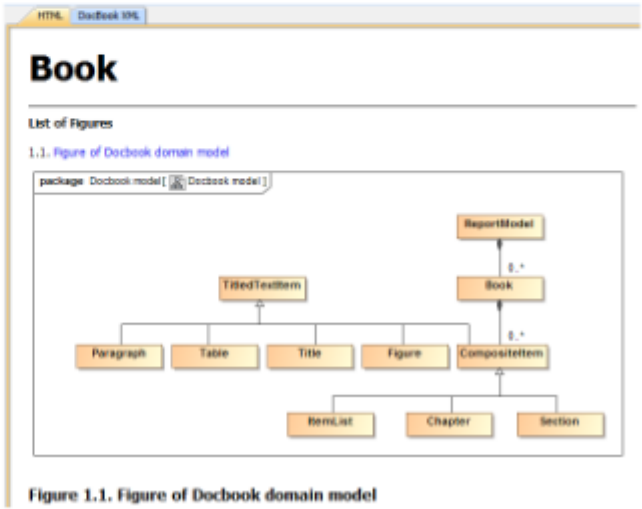
Improved support for scripting languages

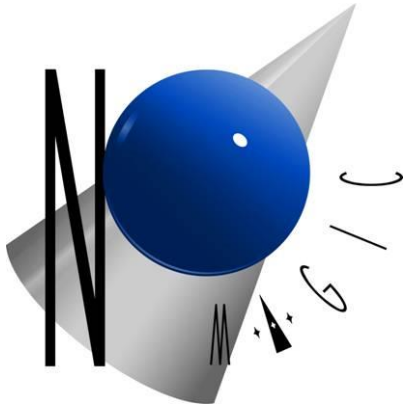
- Customizations can be defined in any of these scripting languages
  - JavaScript
  - Jython
  - JRuby
  - Groovy
  - BeanShell
- Use the languages for validation rules, derived properties, queries for smart packages, metric definitions, criteria for dependency matrices, and more.

Document Modeling plugin

- The Document Modeling plugin is a technology preview.
- We are soliciting feedback on the plugin.
- Please contact us to share your insights.







No Magic, Inc.

The Truth is In The Models!