Montages AG

Business Capability Modeling
Developments of Meta-Modeling Side

Philipp W. Kutter, CEO

Montages tm

Capability Modeling Metamodel - Developments

- 2007 Montages has developed for Peter Brunner and Christian Meier of UBS the Capability Modeling Metamodel using ECore+OCL.
- Since then, Metamodels of ISO 20022, XBRL, and BIAN have been standardized and aligned.
- Philipp Kutter has joined the TC68 WG4 and 5 as Swiss Expert, to provide synergies between open standards and open source modeling tools for the business layer of ISO20022.
- Eclipse Tooling Issues for diagramming editor has been solved:
  - A leading Swiss banking solutions company sponsors the GMF Tooling project with 3 Full Time Employees longterm.
  - GMF Tooling has just merged with GMF Simple Map to provide very simple creation of diagram editors.
    (see their talks on Eclipse Con USA and Europe)

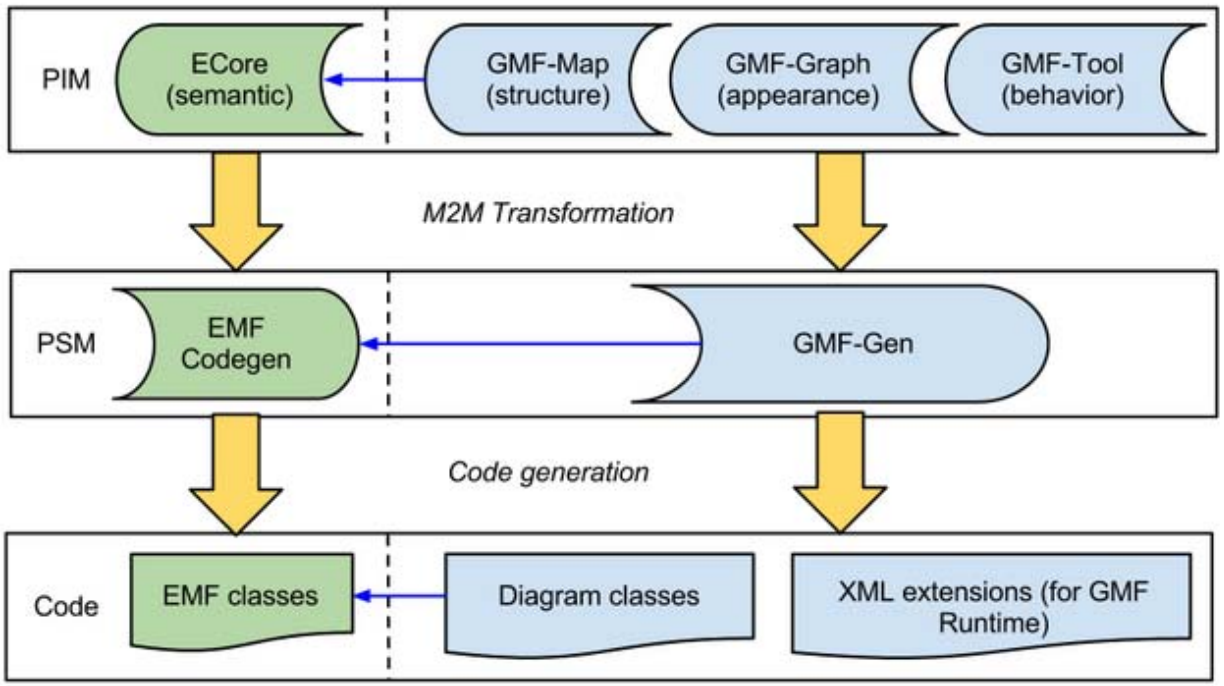
GMF Tooling 3.0

GMF Tooling

Model Driven Architecture approach to domain of graphical editors

By defining a tooling, graphical and mapping model definition, one can generate a fully functional graphical editor in Eclipse.

Actually targeting GMF Runtime platform. Support for Graphiti and Web platforms comming soon.



Current Status

10 October 2012: GMF-T 3.0.1 SR1 is released as part of Juno SR1

27 June 2012: GMF-T 3.0 is released as part of Juno Simultaneous release

21 June 2012: GMF-T 3.0 Review for Juno Release declared successfull

12 June 2012: GMF-T Declared its RC4 build for Juno Release

31 May 2012: GMF-T Declared its RC2 build for Juno Release

23 May 2012: GMF-T Declared its RC1 build for Juno Release

New and Noteworthy

N&N for GMF-T 3.0 at the Wiki

Roadmap

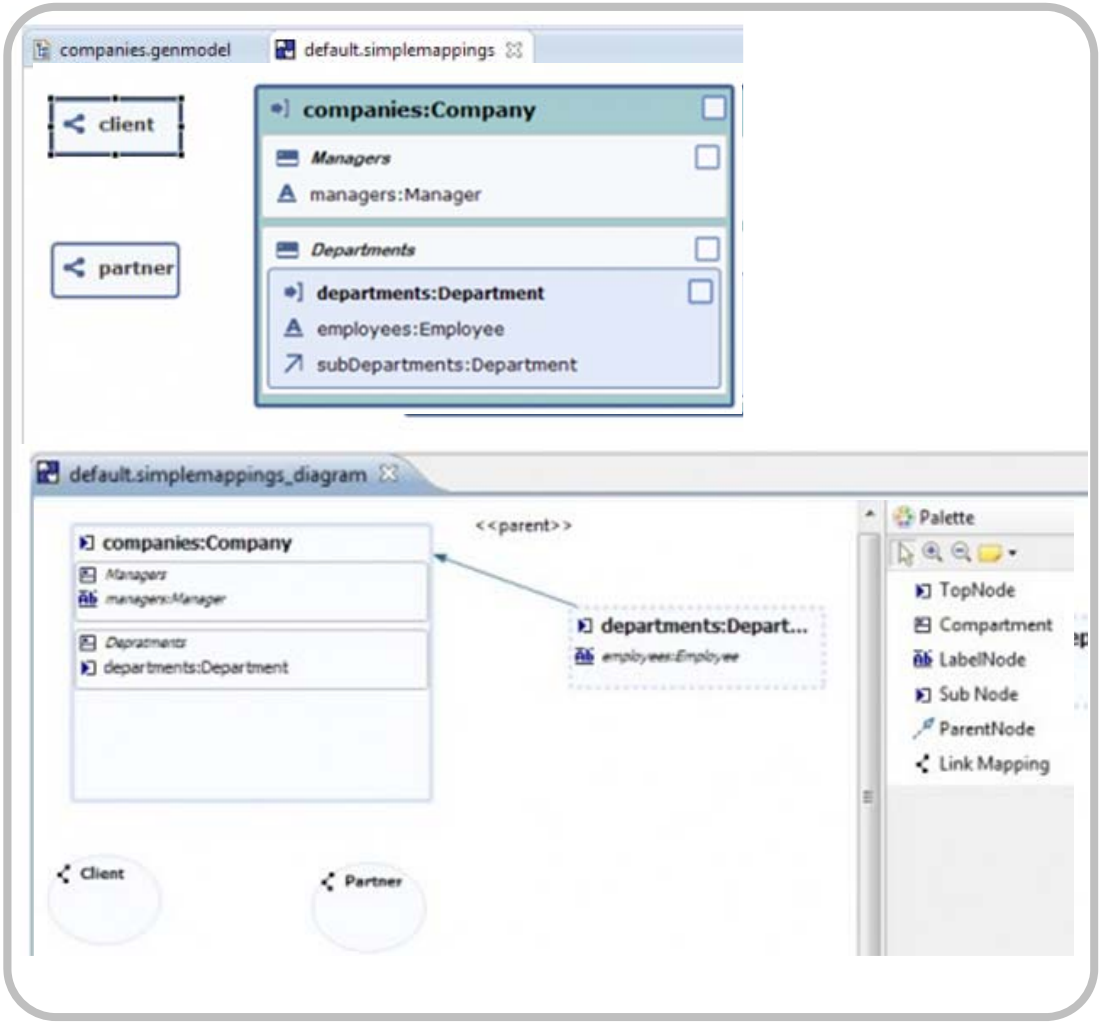
Project Plan for Juno Release

Team News

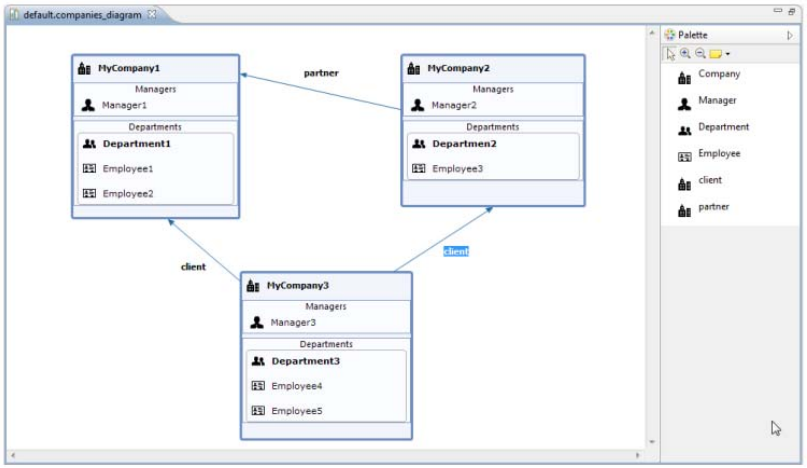
24 May 2012: Voting for new committers: Guillaume Hillairet and Svyatoslav Kovalsky has successfully concluded.

GMF Simple Map (now part of GMF Tooling)

Simple Map Diagram Definition

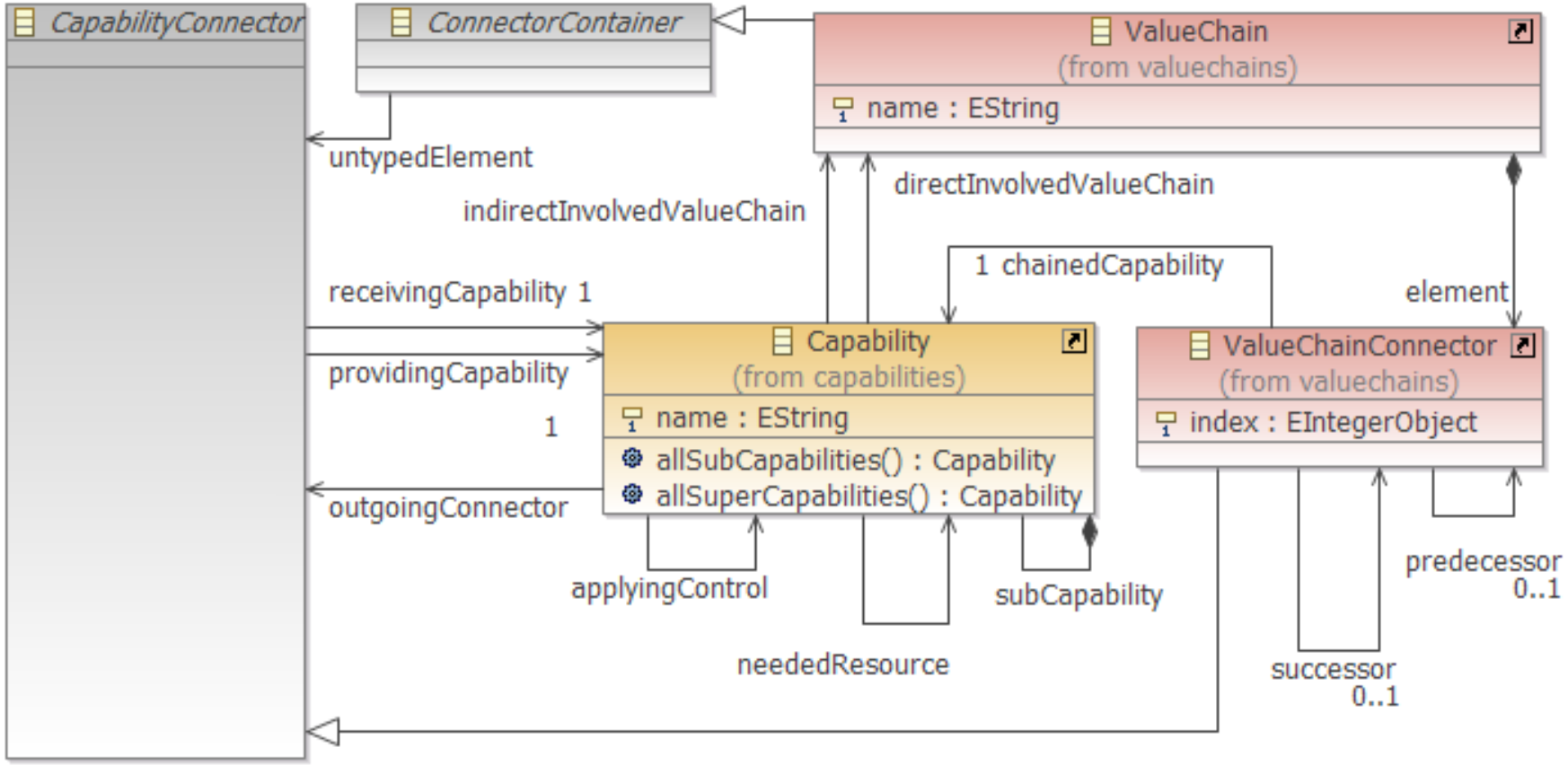


Resulting Diagram Editor



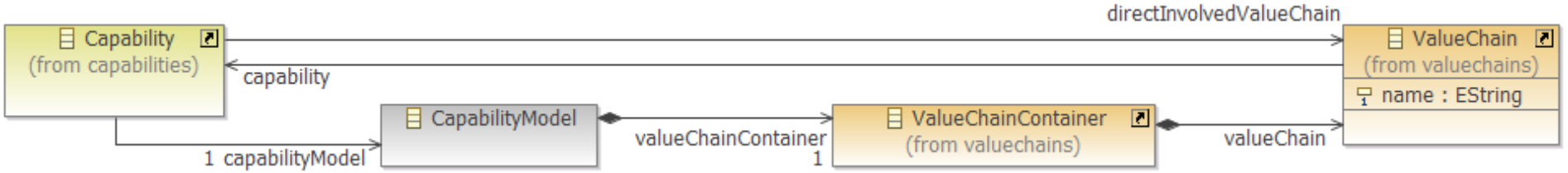
EclipseCon Europe 2012 Talk, 25.October:

Example1: Capability Modeling Metamodel – Concepts



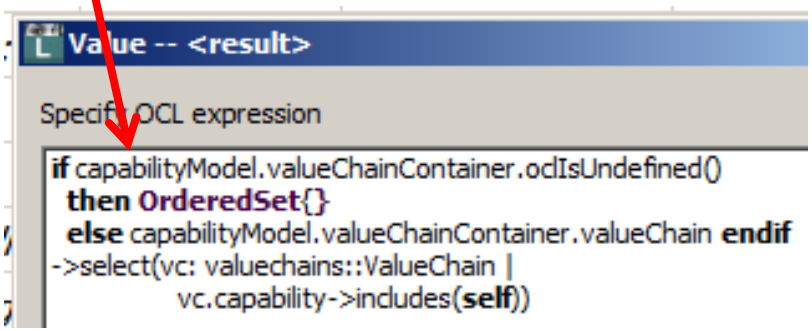
- Capabilities build a hierarchy
- Value chains connect capabilities to sequences of capabilities
- Further kind of capability connections are hierarchical controls and resources

Example 2: Capability Modeling Metamodel – Business Rules



Expressions:		Operator	Base	Property 1	Property 2	Property 3
	CHAIN		self	CapabilityModel	ValueChainContainer	ValueChain*
	SELECT	Select				
	ITERATOR	vc				
	APPLY	includes()				
	CHAIN		<iterator> vc	Capability*		
	CHAIN		self			

- Main question:
  which value chains are involved with
  a capability.
- Rule: all value chains, which include the capability
- Business Rules Editor: simple way to define the rule
- OCL to define exact meaning:
  concrete syntax, details on handing of invalid values,e.t.c.



Capability Modeling Metamodel - Conclusions

- Original metamodel of Capability Modeling still valid after 5 years
- OCL is great to define business rules using modeling standards.
- However, if you want to agree on business rules with Business Experts you must eliminate any requirements to..
  - .. deal with invalid values (null pointer, etc.)
  - .. deal with conversion from unary to collections
  - .. learn any textual syntax (including the original OCL syntax)
  - .. manually propagate model-restructuring into rules
- You also need to provide guidance on how to structure a rule
- In other words:
  You need what every main-stream Business Rule Management system provides you as tool support for entering business rules.

Contact Information

Philipp Kutter
kutter@montages.com

Montages AG
Stampenbachstr. 48
8006 Zürich
Tel. +41-44-265 75 57

www.montages.com