



Training, Consulting and Mentoring

Model Management

Special for EA Global Summit 2020

The challenge of maintaining model quality and consistency grows exponentially as our models and modelling teams grow. This presentation will offer an approach to find and fix problems, and help your team model right first time.









My biases – the ones I know about



- EA user since v3.5
- Business analyst, process modeller, team leader, consultant
 - So I don't know SysML or Archimate
- Rather spend 4 hours writing a script than 20 minutes doing something dull
 - BIG bias towards tools
- EA drives me CRAZY
 - But I never use anything else
- Used EA in teams of 2-20
- Worked with EA teams of 2-200



Assumptions



For the models and teams I work with:

- Models contain
 - lots of kinds of content
 - lots of projects
- Modellers have
 - Different needs
 - Different skill levels
- Modelling standards
 - Vary across the model
 - Evolve over time
- Model experts
 - Are hard to find
 - And they have enough to do already....

So...

- Creating model-wide MDGs is too restrictive
 - But re-use the existing built-in and created MDGs
- We need to
 - link modellers to modelling knowledge
 - Take knowledge from model experts, and make it more available..
- ...so they can do more interesting things

Agenda



Discover what you have in your model

Find and fix what's wrong

Capture standards in Reference (meta) Models

No time for this today

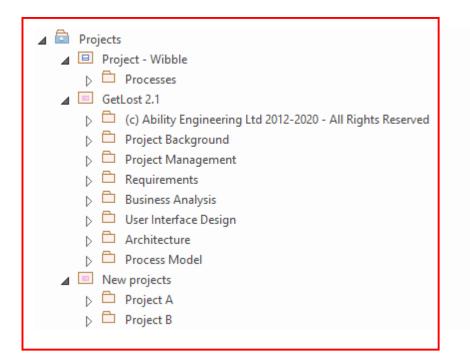
Move to **Guided Modelling**, so it doesn't need fixing again



Discovering what's in your Model

What's in your model today

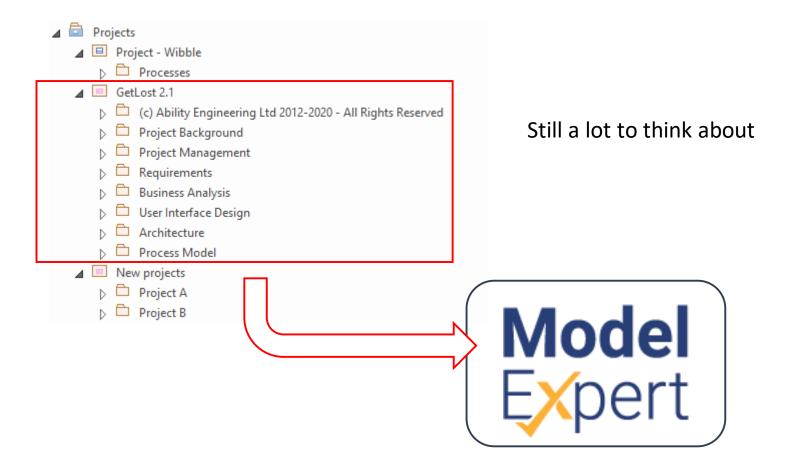


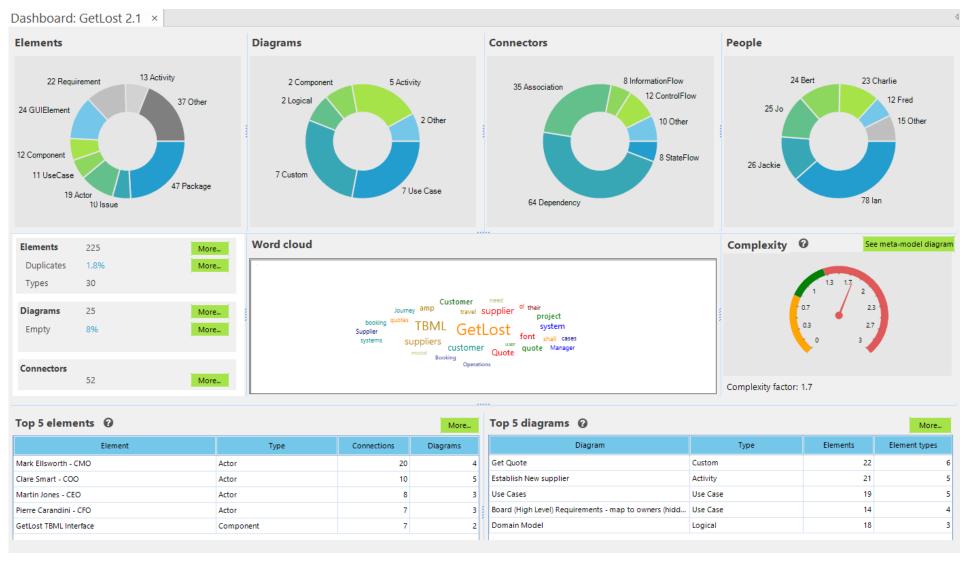


WAY too much to think about

What's in your PROJECT today



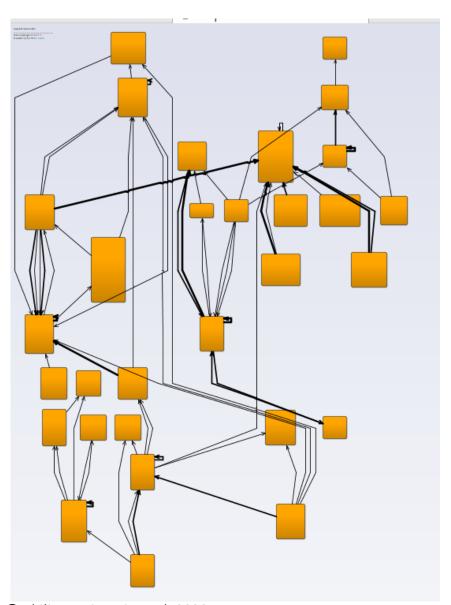




- One-page summary of what's happening in this part of the model
- FREE function of Model Expert

Project Meta-model

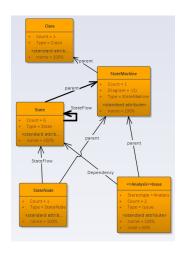


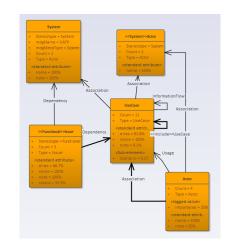


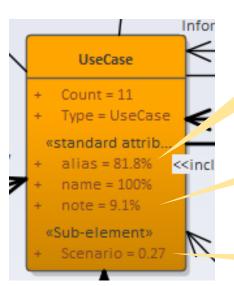
- Lots going on here
- This may be a small project, but it has many kinds of model in it
- Pick a small area: Business Analysis

What's interesting





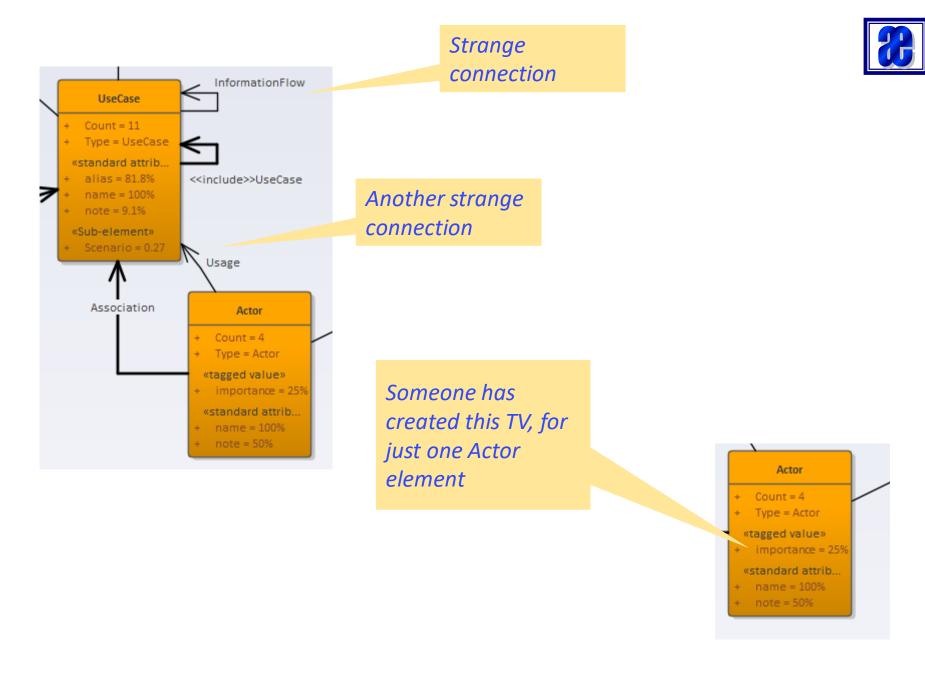




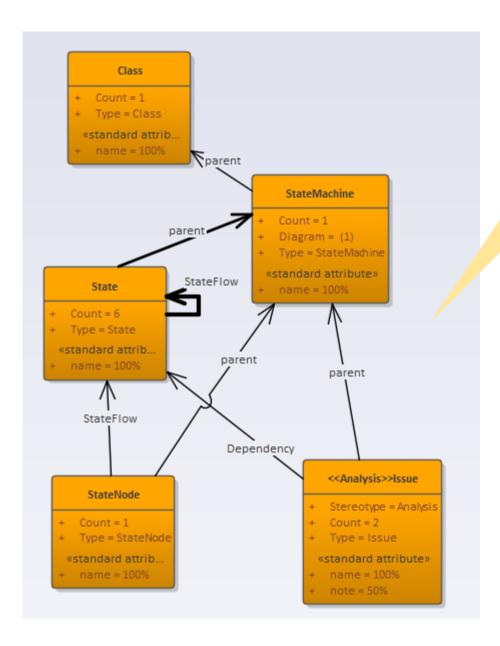
Alias is used - mostly

Not many notes

Or scenarios



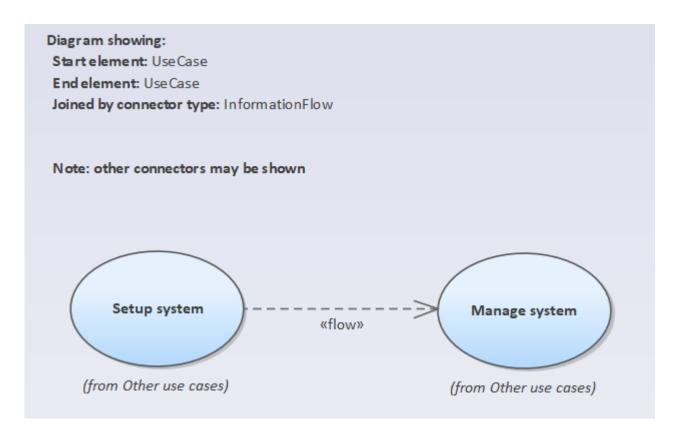




Nothing interesting here. This is standard UML state modelling ©

Find and Fix





- Right-click on the 'Information Flow' link in the MM
- Lucky there is only one!
- (Not part of the free Model Expert)

Find and Fix (2)



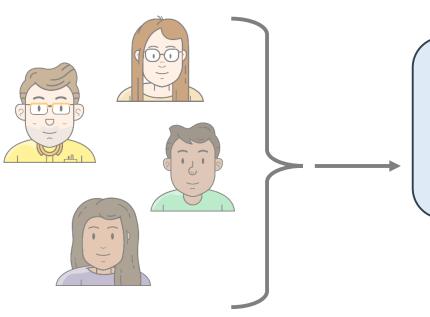


All occurrences of the 'Actor' element type

Child actors? ©

Capture modelling knowledge





"Reference (meta-) Model"

- Element types/stereotype
- Connector types
- Fields & TVs
- Help
-



Ref Model: Basic BPMN

SysML - Basic

Ref Model:

Advanced BPMN

Ref Model:

. . .

Ref Model:

Ref Model:

Requirements

Ref Model:

...

Ref Model:

User Stories

ALL RMs can live in the SAME MODEL at the SAME TIME

Capture modelling knowledge(2)



Take some bestpractice modelling

Model Expert creates a draft Reference Model

Monitor usage

- + rules
- + links to help
- + descriptions
- + scripted rules

Associate with packages ("Managed")

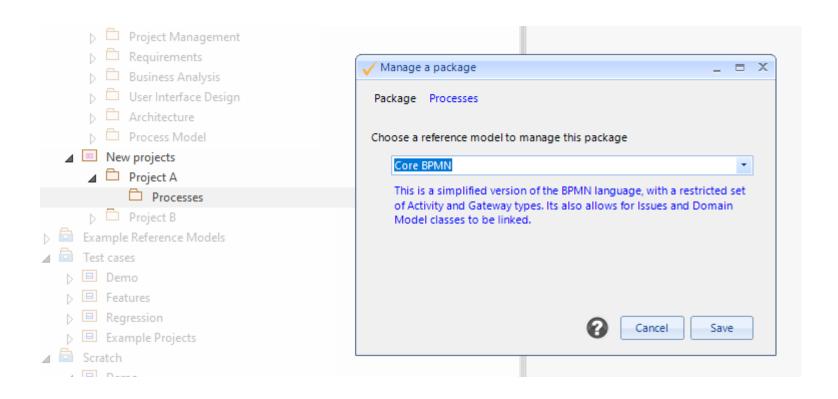
Save in target repository



Guided Modelling The Modeller experience

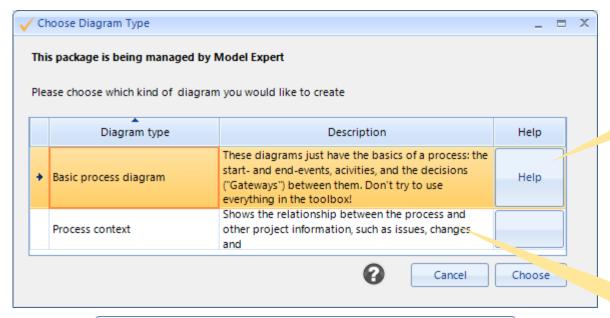
Guided Modelling – Setup



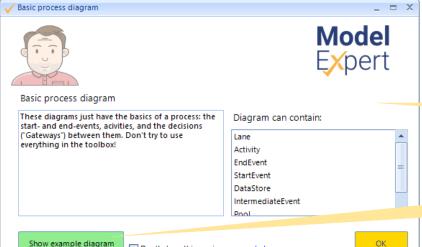


DONE!





Link to Intranet, wiki, training material...



more help..

Don't show this again

Show example diagram

© Ability En

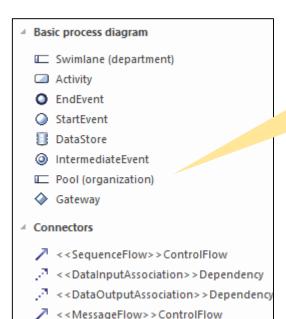
Your description of this diagram type

More help

Show another diagram from this repository

MM with MX2 .20





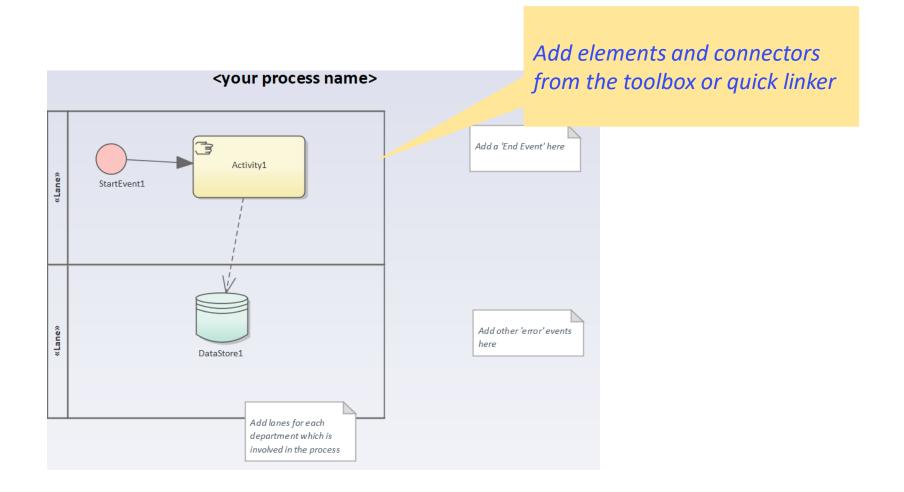
Option to generate a diagram toolbox direct from the RM – user just sees a simpler toolbox

User

More help

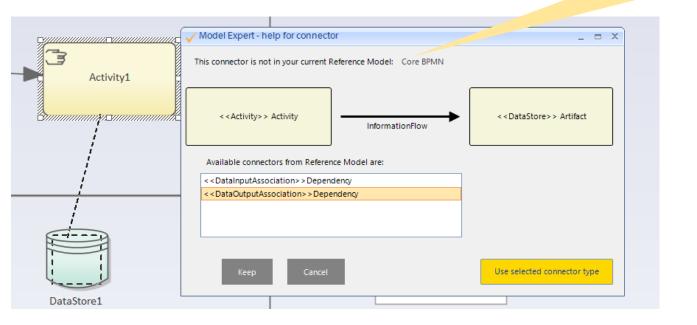
Show another diagram from this repository



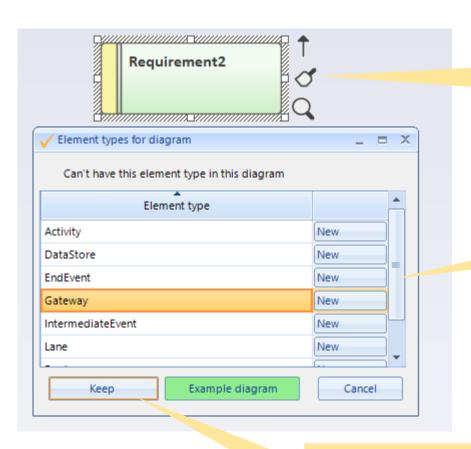




If user picks the wrong connector, help them







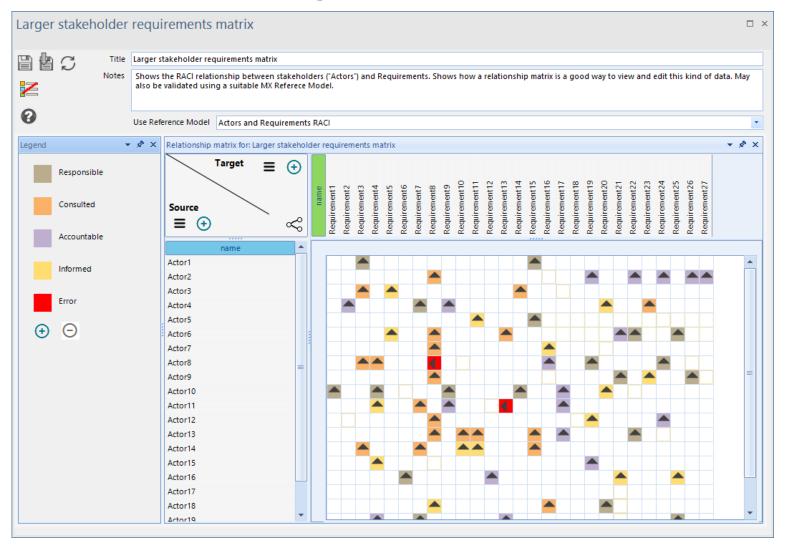
Element type not allowed in this kind of diagram

Choose something else

RMs can have Hard or soft option: Soft means users can break the rules

Guided Modelling





Reference models can be applied to a Relationship Matrix

Summary



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