

A few Random Rhapsody Features

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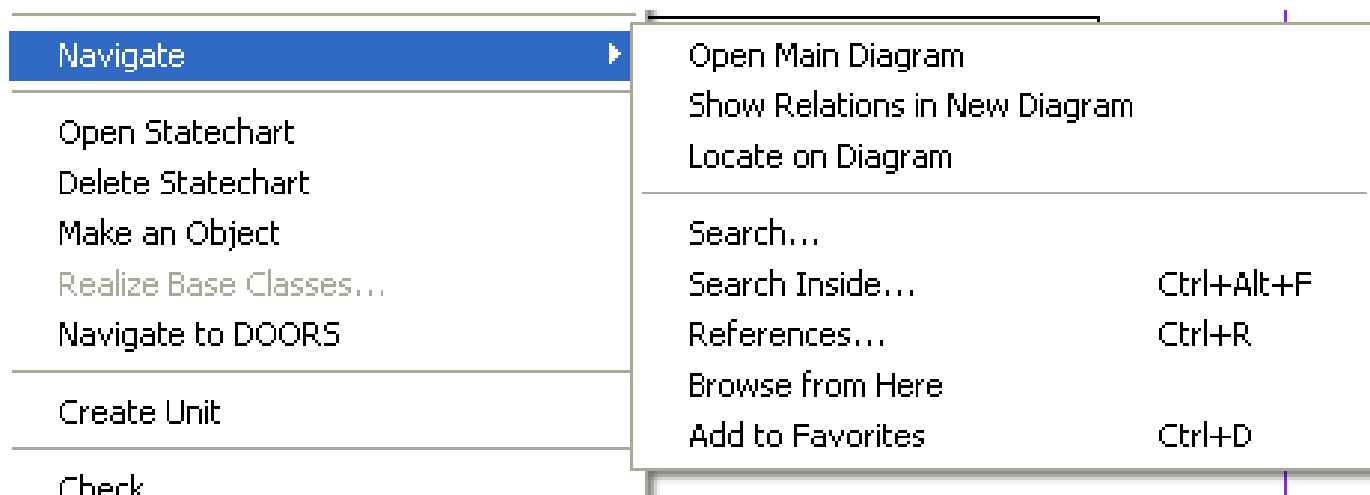
www-01.ibm.com/software/rational/leadership/thought/brucedouglass.html



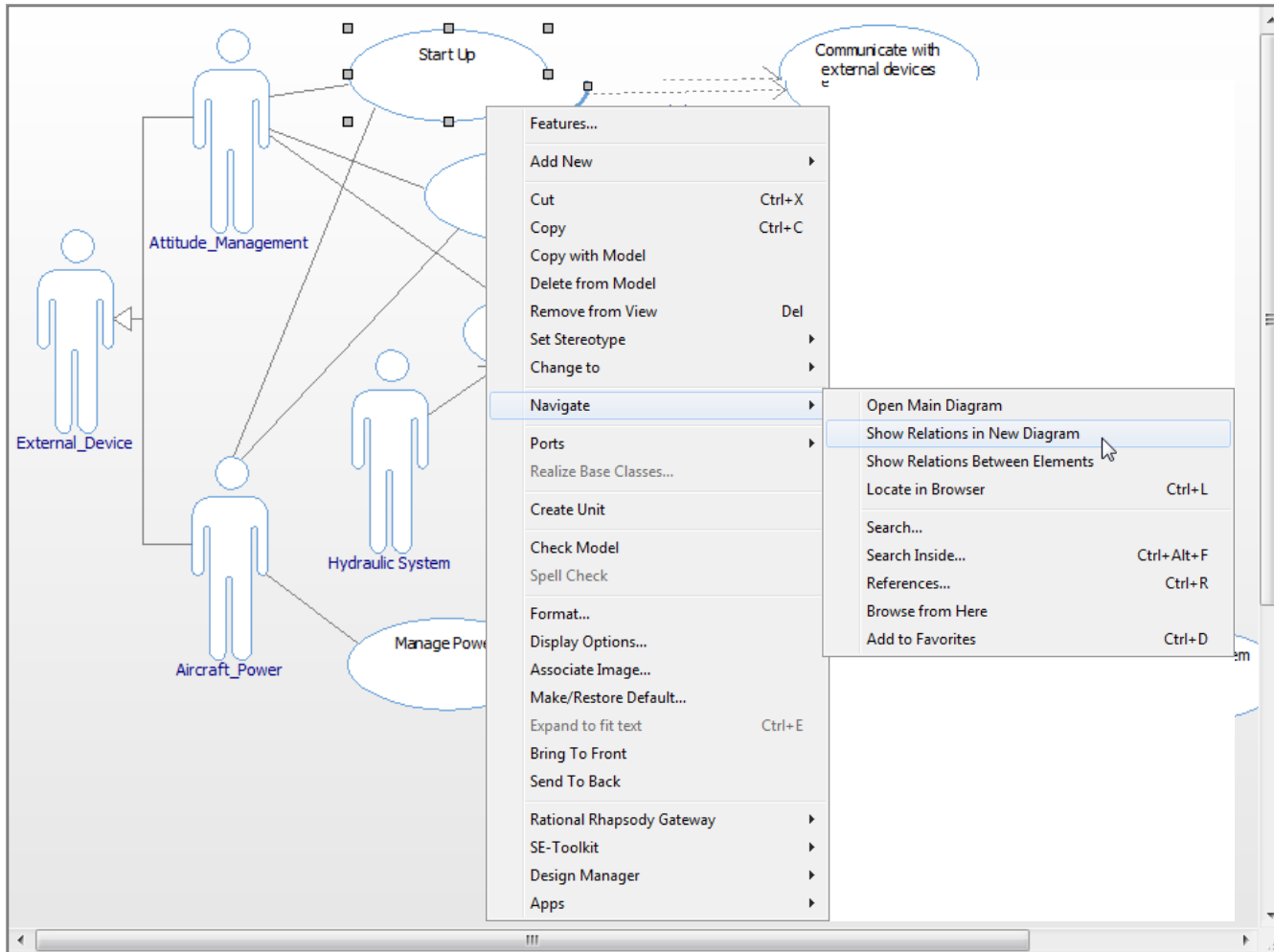
A few Random Rhapsody Features

Right-click a model element and select the **Navigate** sub-menu

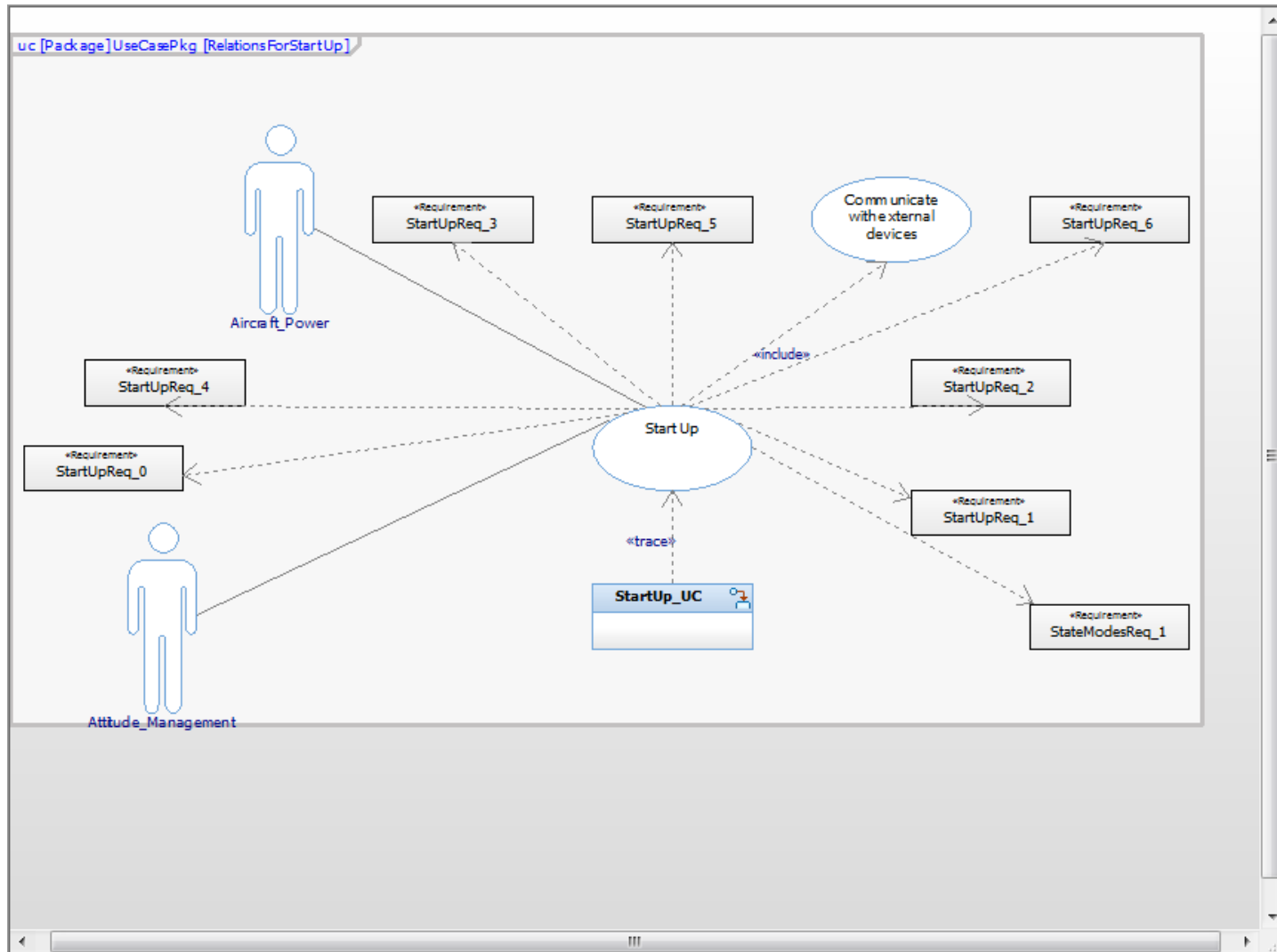
- Keyboard shortcuts are also available



Navigate



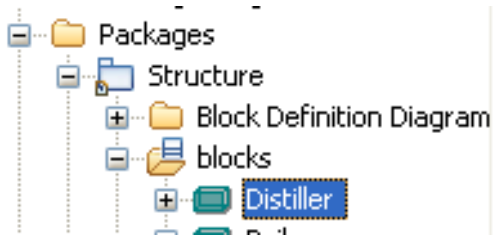
Navigate > Show Relations in New Diagram



Using references

The References window:

- Shows any other model element using, being used or connected to or from the selected element
- Allows navigation to the related elements



Filter type of reference shown

Click to open a new Features window on the selected item (without switching context)

Double-click an element to navigate and switch context

Relations of block: Distiller in Structure

View References

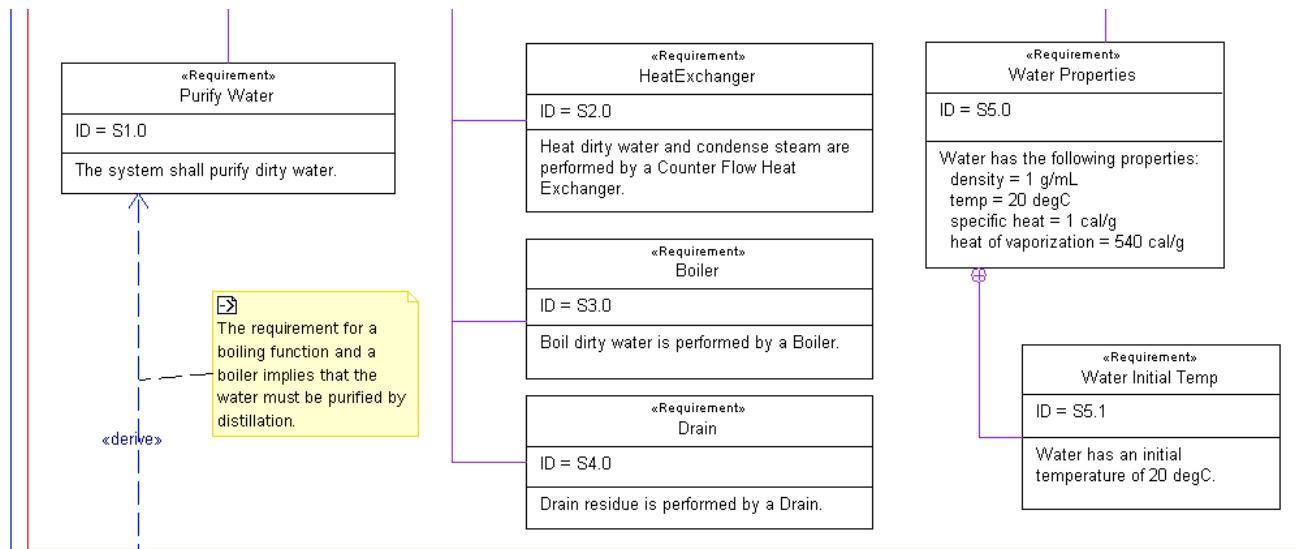
Name	Type	Direction	From/To
in Behavior::sd Operate Distiller.	Classifier Role		
StatechartDiagram in Structure::Distiller	Statechart Diagram		
bdd 1 Structural Breakdown in Structure	Block Definition Dia...		
bdd 2 Structural Breakdown in Structure	Block Definition Dia...		
bdd 3 Distiller Structure with feed Valve in Str...	Block Definition Dia...		
bdd 4 Distiller Structure with Controller in Str...	Block Definition Dia...		
ibd 1 Distiller Structure - itemFlows in Stru...	Internal Block Diagram		
ibd 2 Distiller Structure with feed Valve in Str...	Internal Block Diagram		
ibd 3 Distiller Structure with Controller in Stru...	Internal Block Diagram		

Locate OK Apply

Navigation: Locate on diagram

The **Locate on Diagram** function opens the first diagram that an element appears on

- In many cases, this will likely be the only diagram
- References will give you a full navigable list



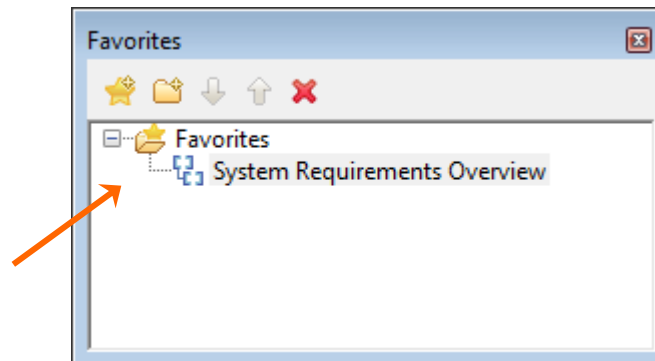
Adding favorites

Rational Rhapsody can maintain a list of favorite model elements.

–Although any model element may be placed in the favorites list - typically you will add a set of diagrams as convenient starting points for model navigation

To add elements to the Favorites list, do one of the following:

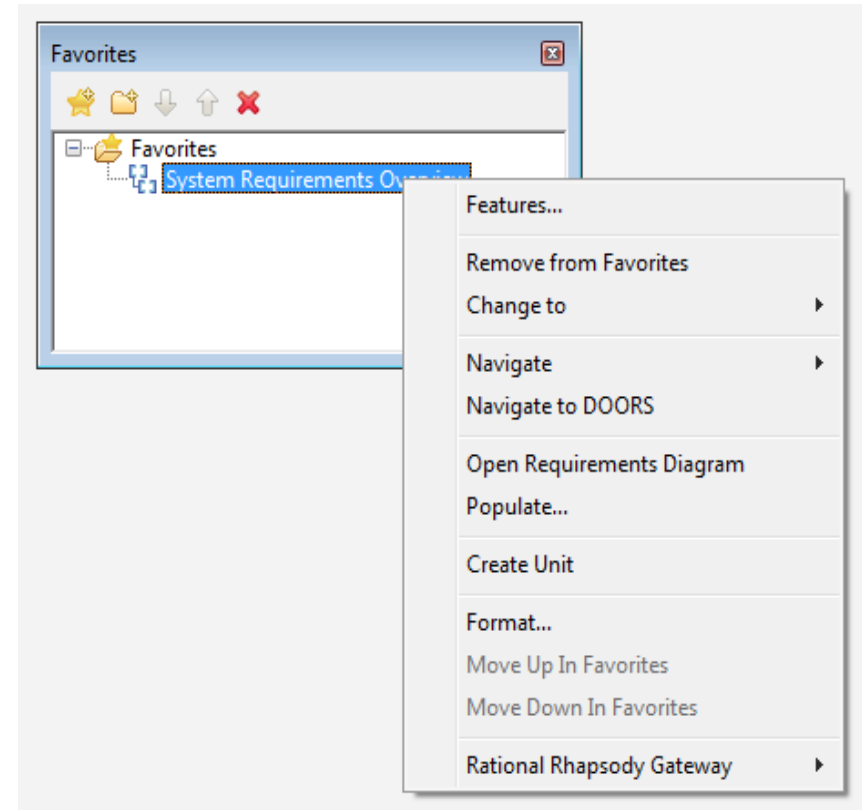
- Right-click a model element and select **Navigate > Add to Favorites**
- Drag items into the Favorites pane.
- Select the model element and use the keyboard shortcut Ctrl+D
- Click the **Browse** button on the Favorites list
- Select the model element and click **Add to favorites** on the favorites toolbar



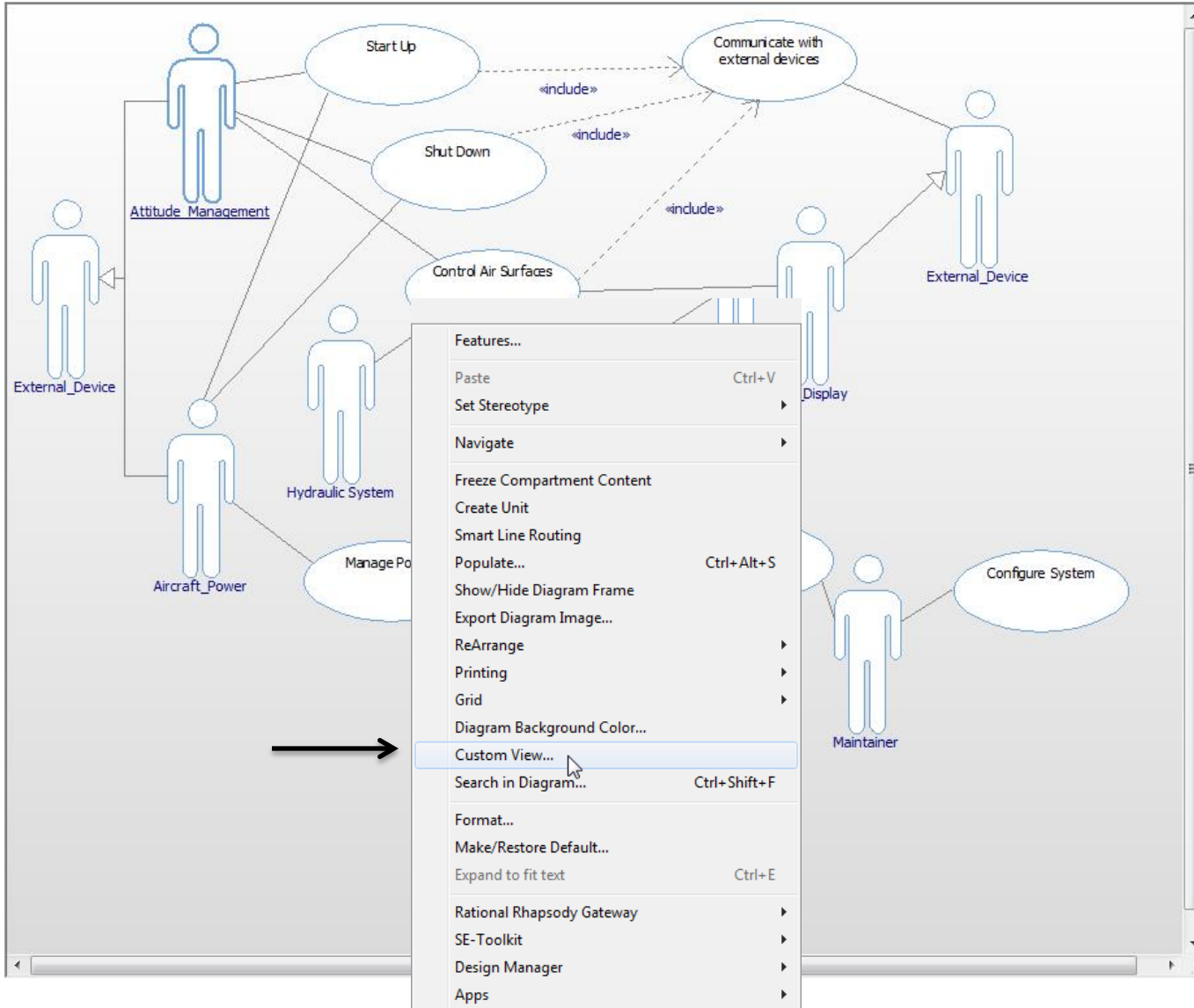
Using favorites

The Favorites list behaves like a filtered browser:

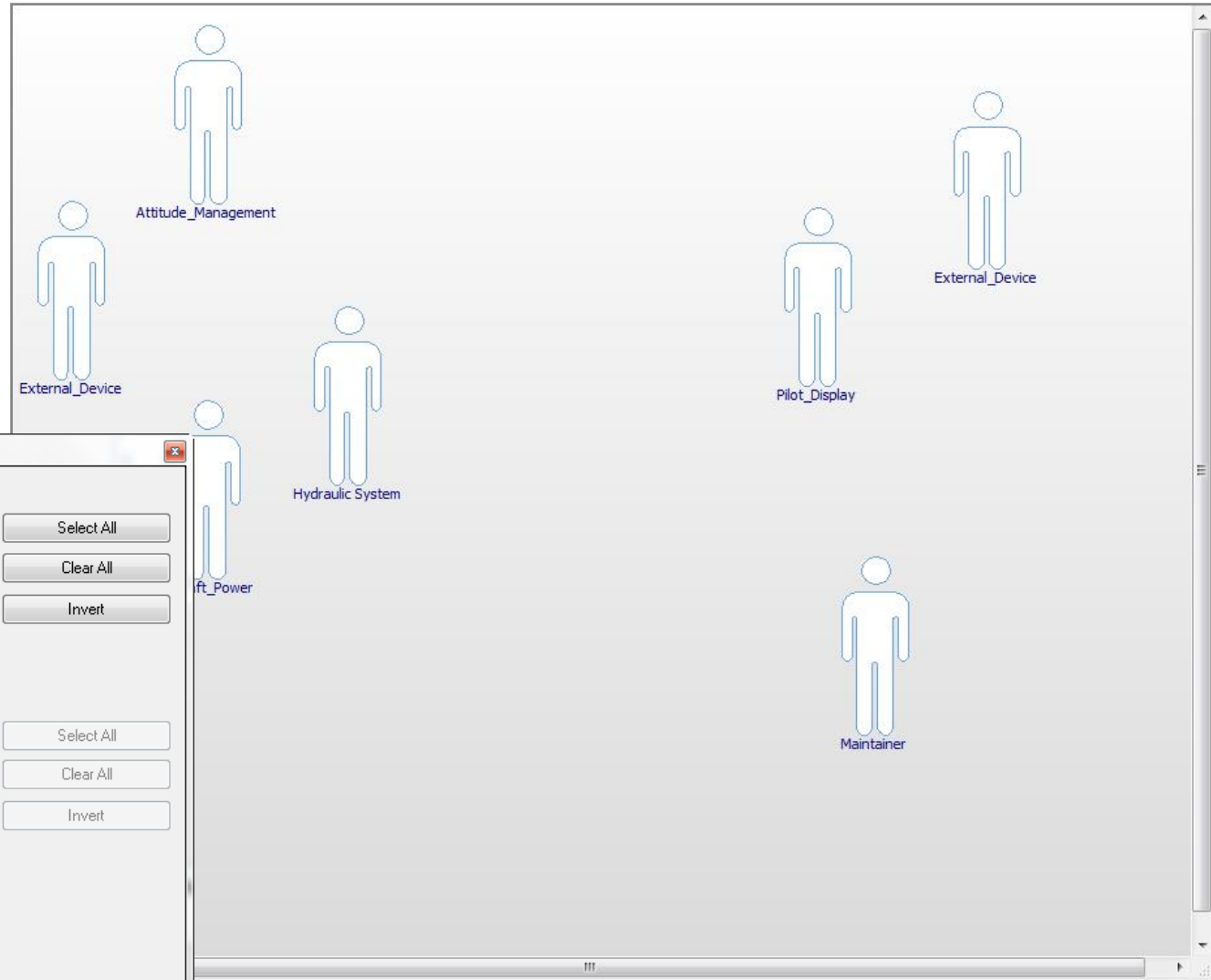
- Double-clicking a diagram will open it
- Double-clicking a model element will open its features
- Right-click an item for menu options



Filtering stuff on diagrams using Custom View



Filtering stuff on diagrams using Custom View



Define Custom View

Select element types for filter:

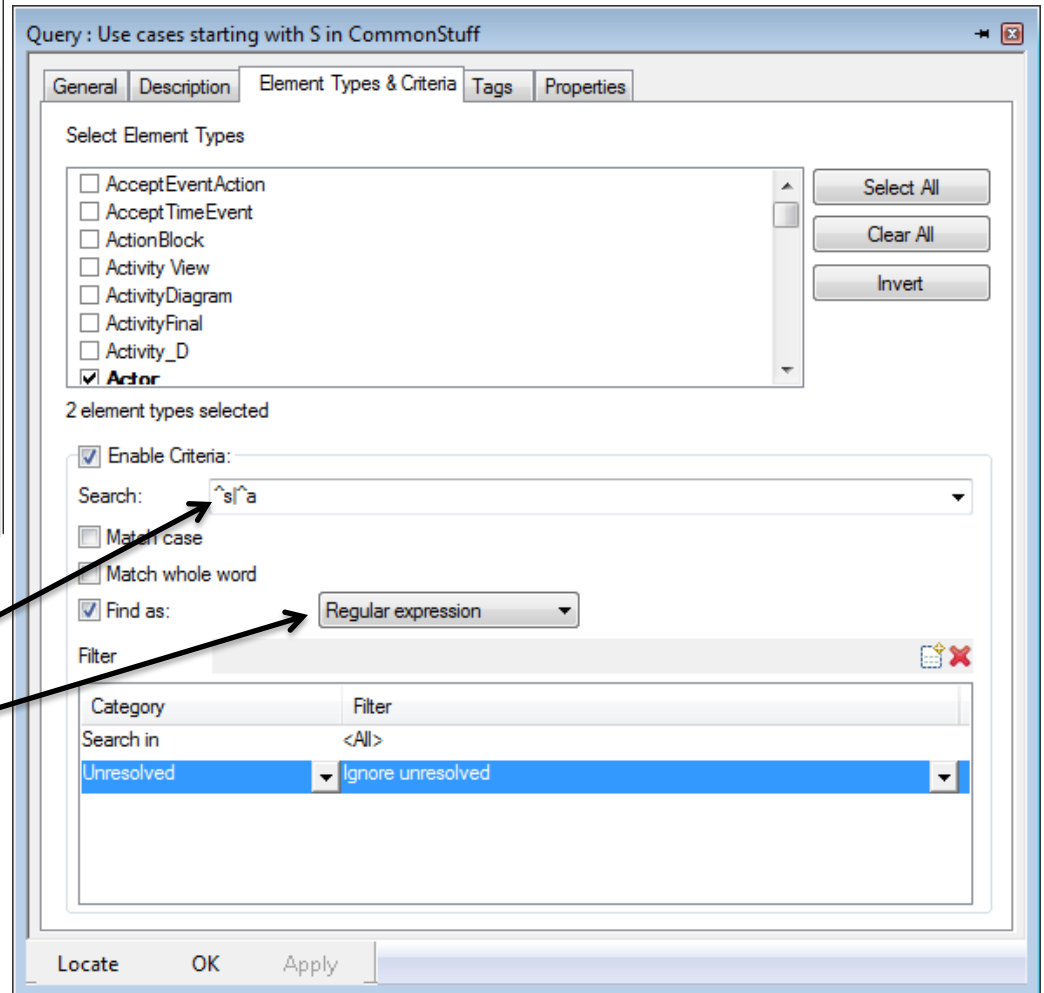
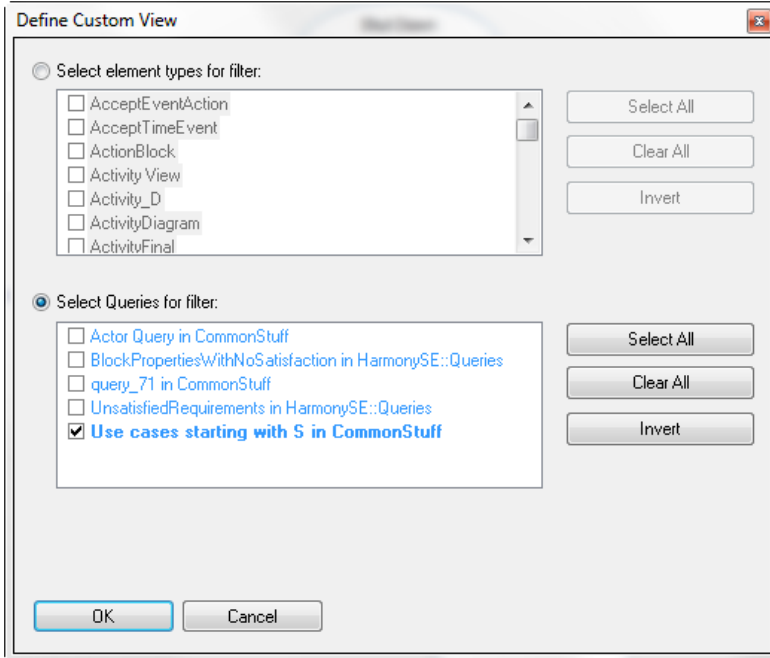
- Activity View
- Activity_D
- ActivityDiagram
- ActivityFinal
- Actor
- ActorBlock
- ActorPin

Select Queries for filter:

- Actor Query in CommonStuff
- BlockPropertiesWithNoSatisfaction in HarmonySE::Queries
- query_71 in CommonStuff
- query_73 in CommonStuff
- UnsatisfiedRequirements in HarmonySE::Queries

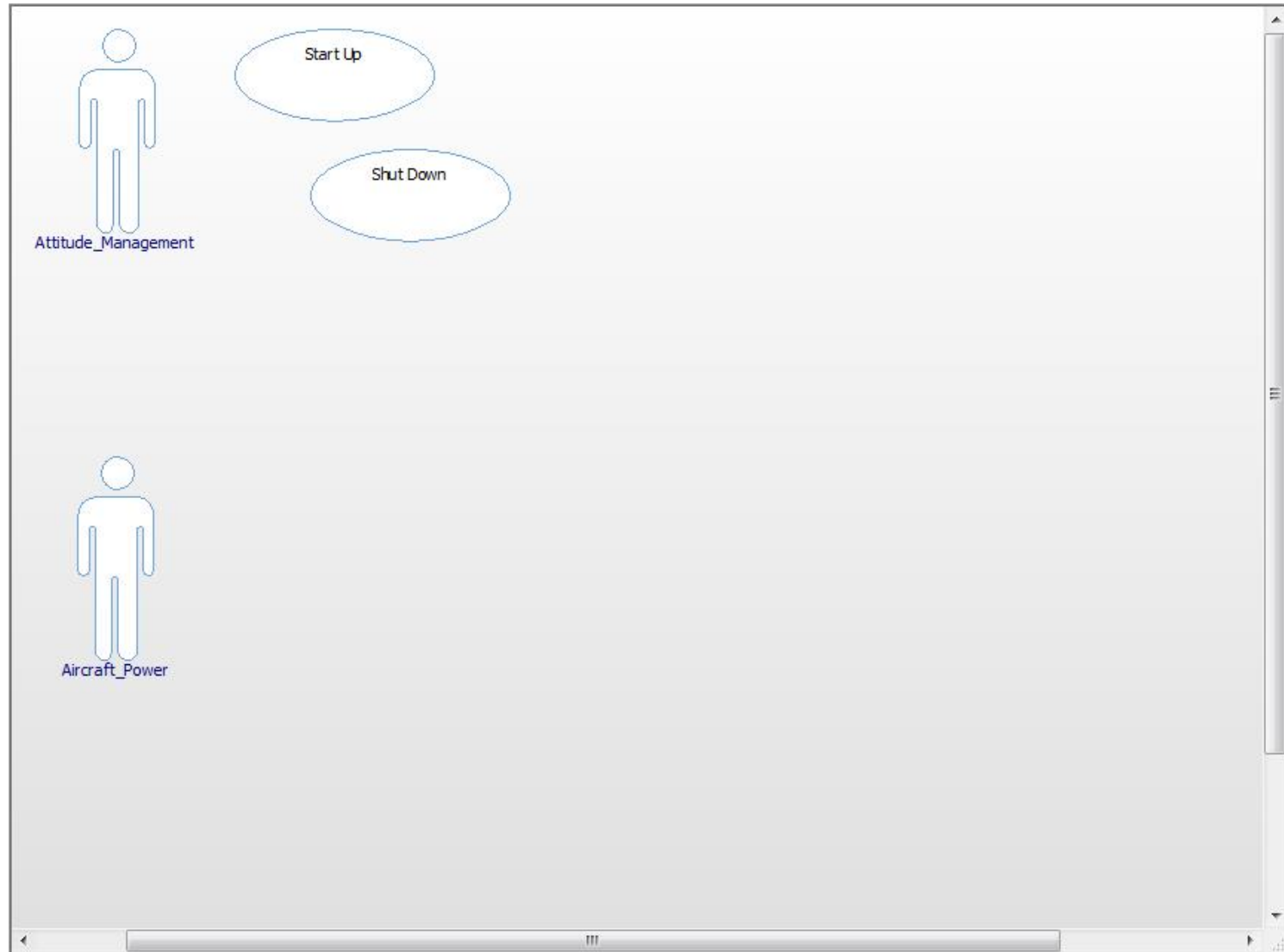
Buttons: Select All, Clear All, Invert, Select All, Clear All, Invert, OK, Cancel

Filtering stuff on diagrams using Custom View with Queries



Use cases or actors
Starting with s or a
`^s|^a`

Filtering stuff on diagrams using Custom View with Queries



Queries - definition

Query: query_71 in CommonStuff *

General | Description | **Element Types & Criteria** | Tags | Properties

Select Element Types

- Class
- Class Diagram
- ClassifierRole
- CombinedFragment
- Comment
- CommunicationDiagram
- Component
- Component Diagram

162 element types selected

Enable Criteria:

Search:

Match case

Match whole word

Find as: Wildcard

Filter

Category	Filter
Search in	<All>
Reference	With more than 1 outgoing relations
Stereotype	No Stereotype

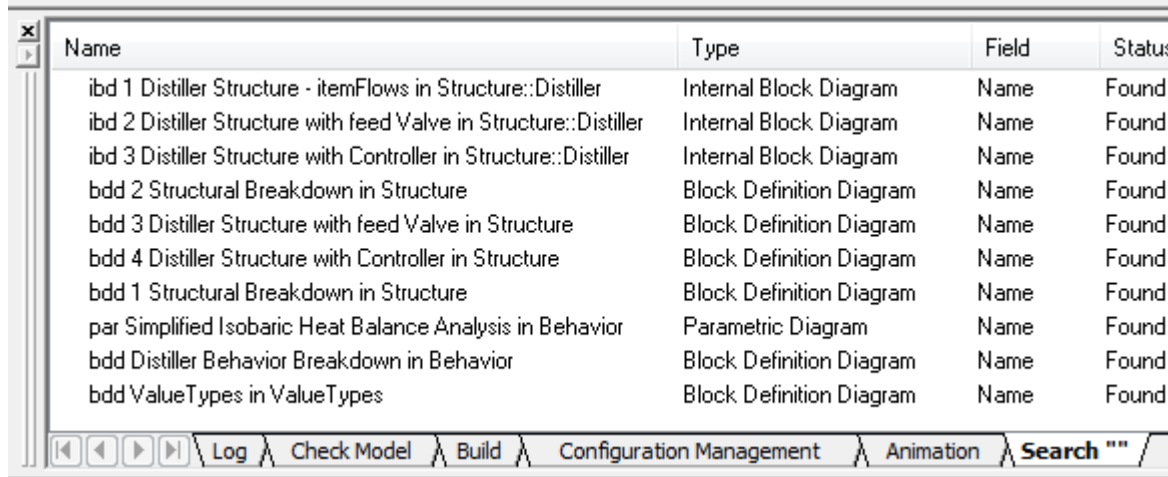
Locate OK Apply

Basic: types of model element

Advanced search criteria

Executing Queries

- Double-clicking a Query executes it
 - Queries execute as if they were searches
 - Results appear in a Tab in the output window




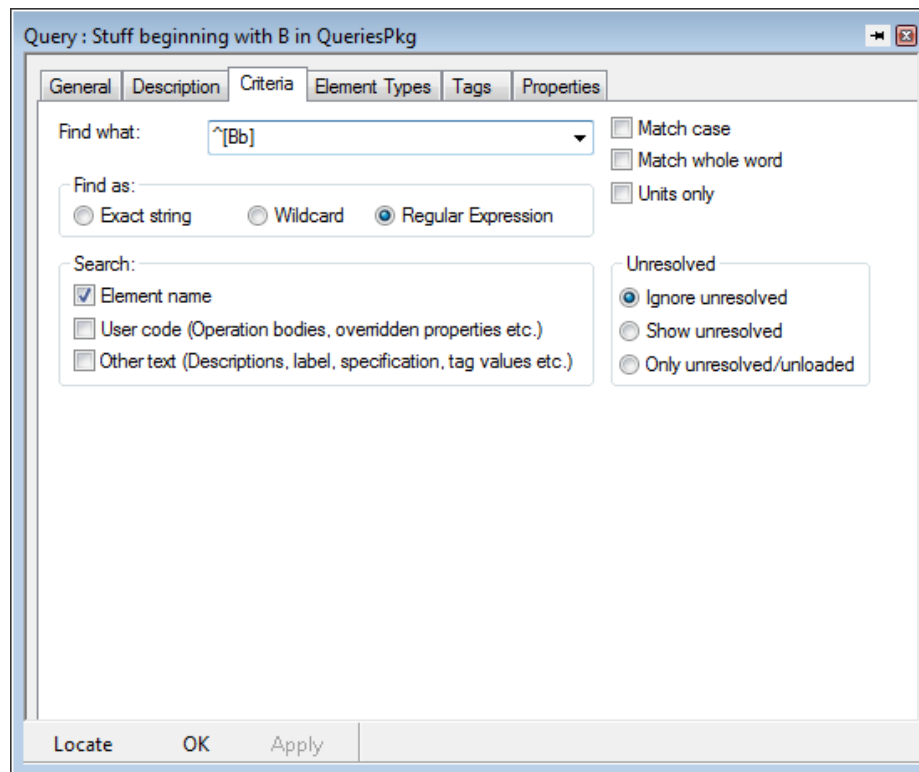
Name	Type	Field	Status
ibd 1 Distiller Structure - itemFlows in Structure::Distiller	Internal Block Diagram	Name	Found
ibd 2 Distiller Structure with feed Valve in Structure::Distiller	Internal Block Diagram	Name	Found
ibd 3 Distiller Structure with Controller in Structure::Distiller	Internal Block Diagram	Name	Found
bdd 2 Structural Breakdown in Structure	Block Definition Diagram	Name	Found
bdd 3 Distiller Structure with feed Valve in Structure	Block Definition Diagram	Name	Found
bdd 4 Distiller Structure with Controller in Structure	Block Definition Diagram	Name	Found
bdd 1 Structural Breakdown in Structure	Block Definition Diagram	Name	Found
par Simplified Isobaric Heat Balance Analysis in Behavior	Parametric Diagram	Name	Found
bdd Distiller Behavior Breakdown in Behavior	Block Definition Diagram	Name	Found
bdd ValueTypes in ValueTypes	Block Definition Diagram	Name	Found

Navigation bar: Log | Check Model | Build | Configuration Management | Animation | Search ""

Advanced searching (1)

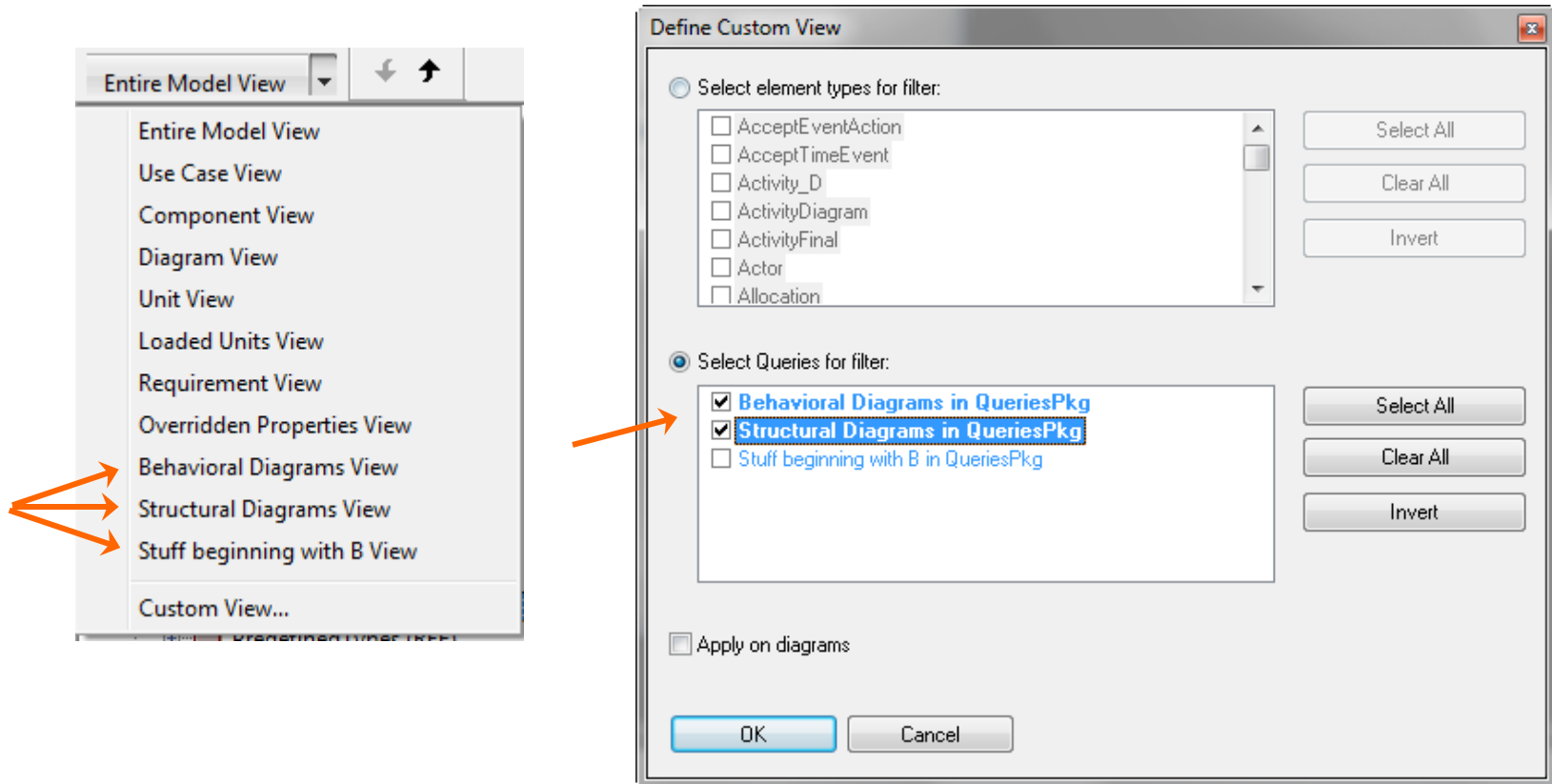
- Queries may be:
 - Simple – for example, metaclass only
 - Advanced – for example, regular expression searches

 Stuff beginning with B



Queries as Custom Views

- Queries automatically appear in the list of Browser Filters
 - Queries may be combined by selecting Custom View



Queries as browser filters

