

# Selecting criteria

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To create a Dependency Matrix, first of all, you need to define which data you wish to display on its pane. Select row and column element types, row and column scope, the direction of the relationships as well as the dependency criteria for this. Be advised that the easiest way to define all the above-mentioned criteria, except the type of the relationship direction, is using the drag-and-drop operation.

A lot of properties of the Dependency Matrix can be specified in the matrix [Specification window](#).

You can open the matrix [Specification window](#) in one of the following ways:

- From the [matrix shortcut menu](#)
- From the [matrix toolbar](#)

## Specifying element type

Press Enter in the active matrix.

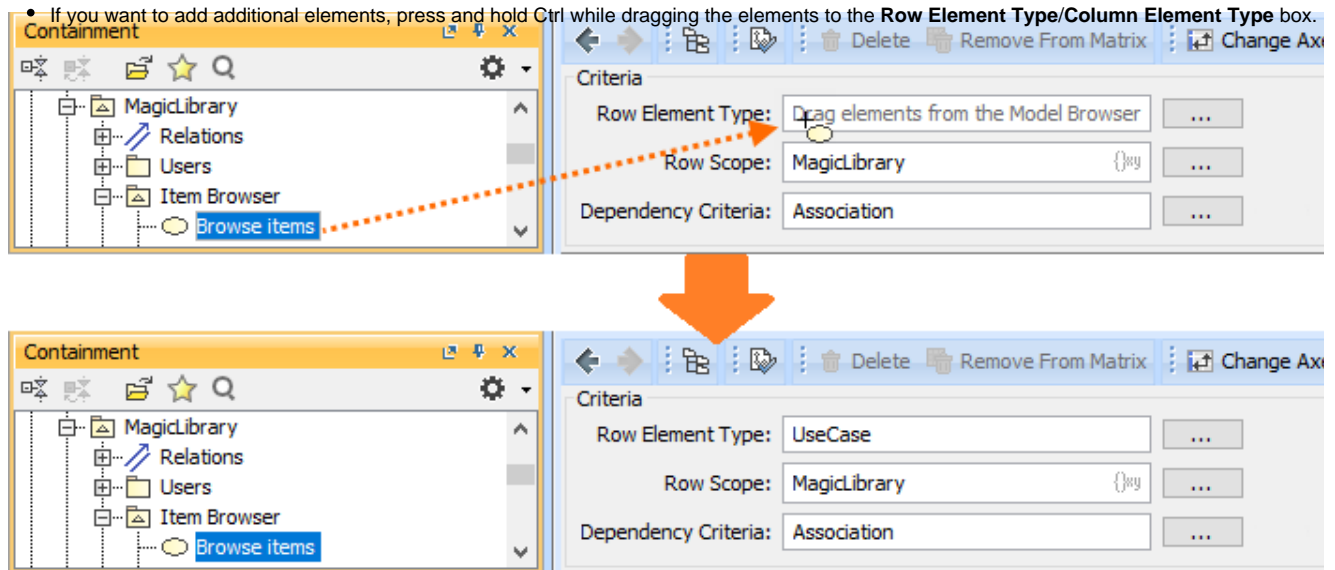
To specify a row/column element type

Do either:

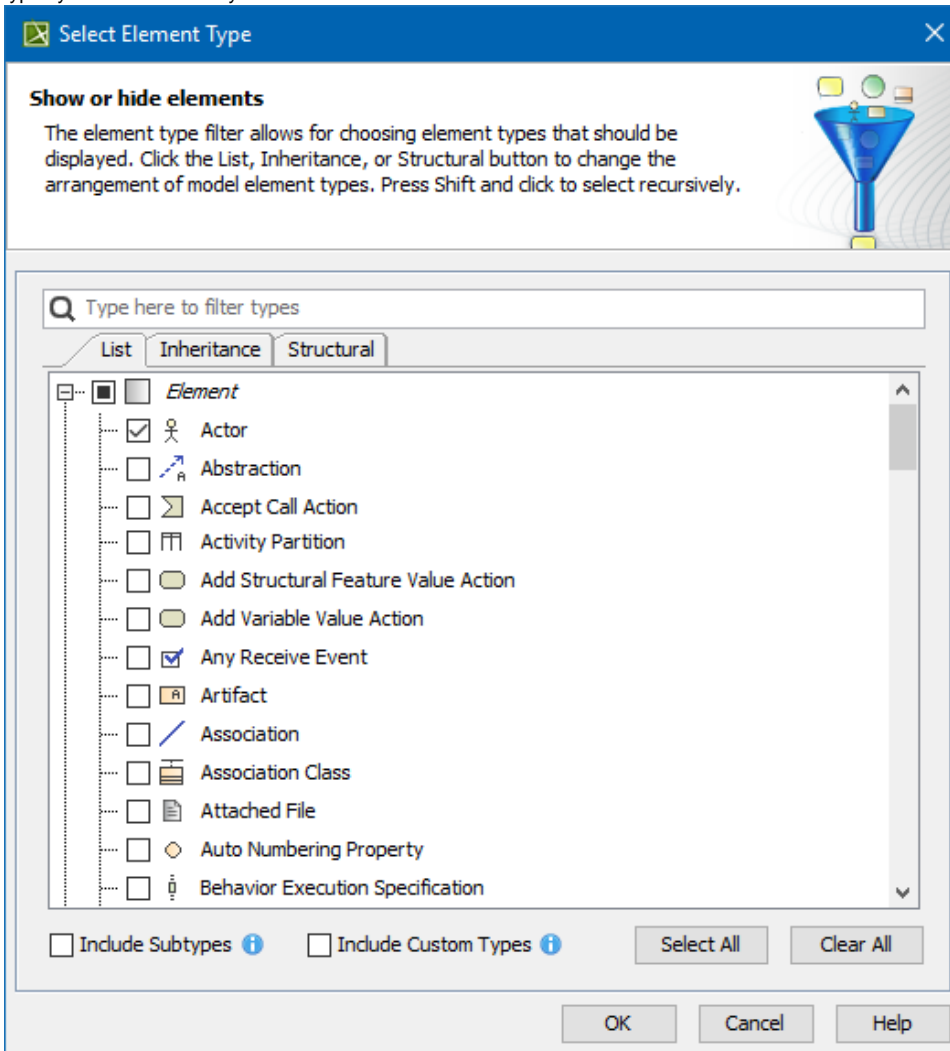
- In the [Model Browser](#), select one or more elements which types you wish to see on your matrix and drag them to the **Row Element Type/Column Element Type** box in the **Criteria** area.


- For the multiple selection Press and hold Shift or Ctrl.

- If you want to add additional elements, press and hold Ctrl while dragging the elements to the **Row Element Type/Column Element Type** box.




- Click the  button next to the **Row Element Type/Column Element Type** box and in the **Select Element Type** dialog select what element types you wish to see on your matrix. Click **OK**.



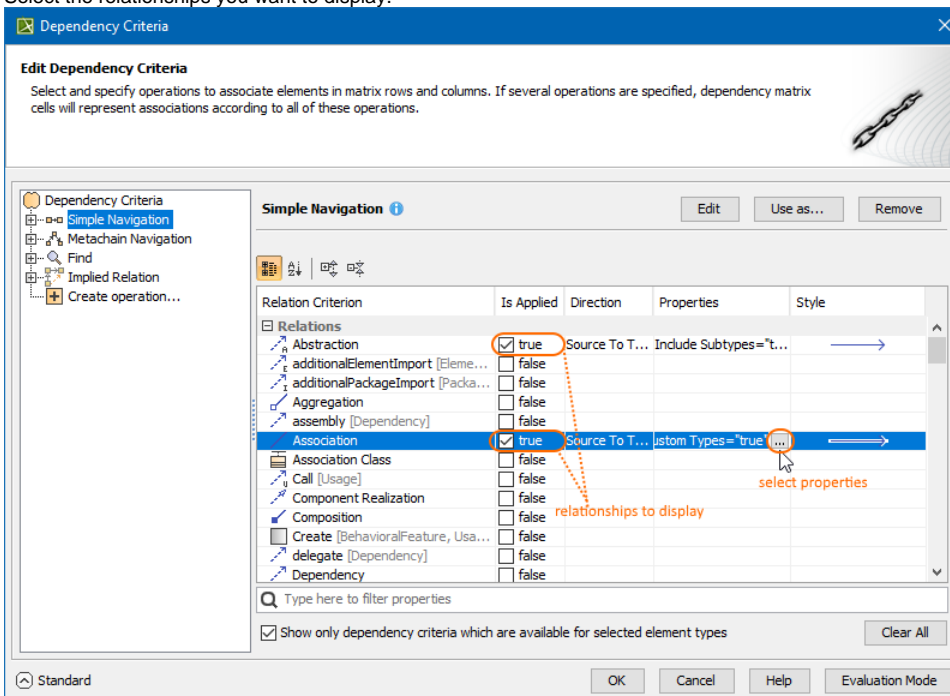
- Select the **Include subtypes** check box to display the subtypes of the selected element types.
  - Select the **Include Custom Types** check box to display the custom types extending the selected element types.
- Open the matrix [Specification window](#), click the **Row Element Type/Column Element Type** property value cell, then click the  button, and in the opened dialog select what element types you wish to see on your matrix. Click **Close**.


## Specifying dependency criterion

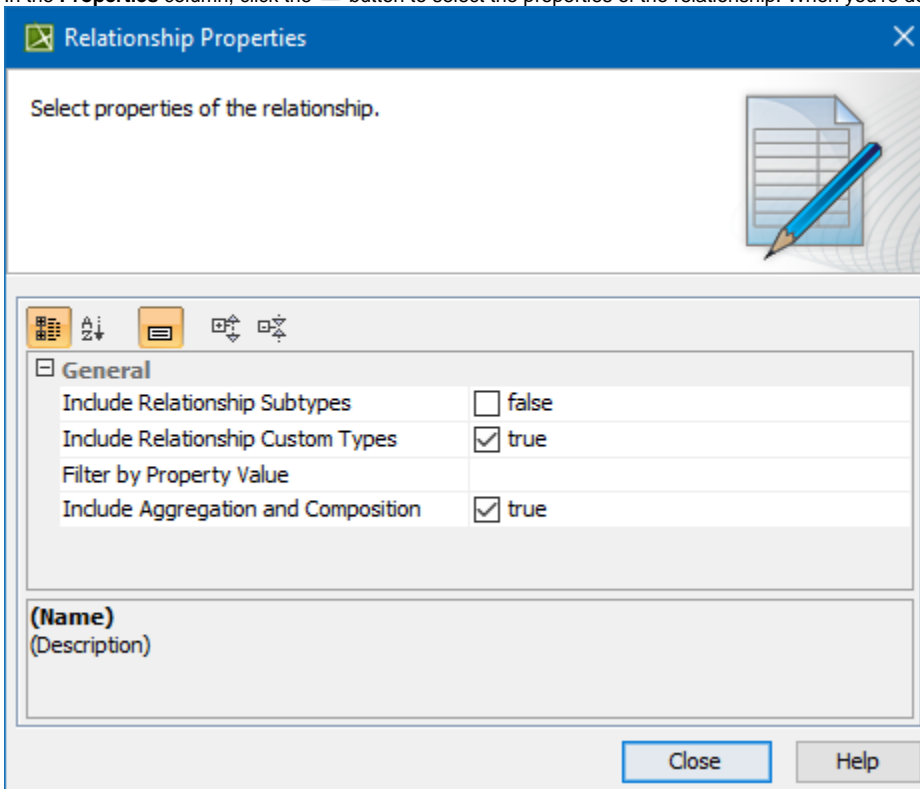
To specify which relationships you want to display in the matrix

- Click the  button next to **Dependency Criteria**.

2. Select the relationships you want to display.




3. In the **Properties** column, click the  button to select the properties of the relationship. When you're done, click **Close**.



- **Include Relationship Subtypes** - select to include the subtypes of the selected relationship types.
- **Include Relationship Custom Types** - select to include the custom relationship types that extend the selected relationship types.
- **Filter by Property Value** - select properties to use as additional relationship filters.
- **Include Aggregation and Composition** - select to include Aggregation and Composition relationships along with the Association relationship.

The **Include Aggregation and Composition** option can be specified in the **Relationship Properties** dialog only if the Association or custom Association relationship is selected as a Relation Criterion.

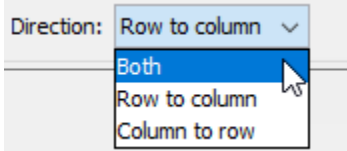
4. In the **Style** column, click the  button to select how the relationship is represented in the matrix .
5. When you're done, click **Close**, then **OK**.

## Specifying relationship direction

To specify a relationship direction

Do either:

- Select a direction from the **Direction** drop-down list in the **Criteria** area.



- Open the matrix [Specification window](#), click the **Direction** property value cell and select what direction relationships you wish to see on your matrix. Click **Close**.


## Specifying what elements are visible in the matrix

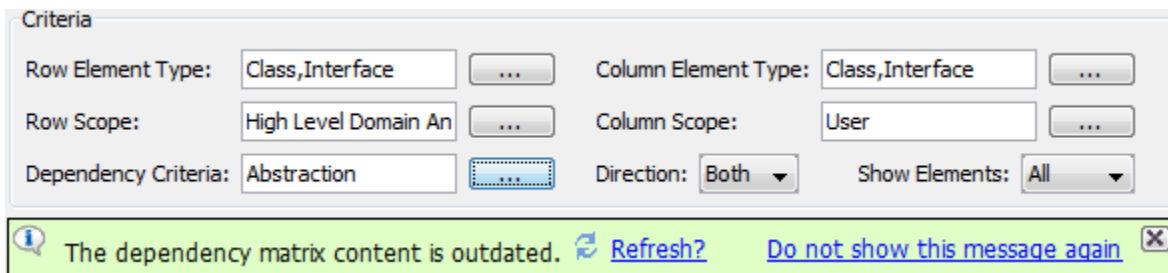
To specify what elements you wish to see in the matrix: related, non-related, or all

Do either:

- From the **Show Elements** drop-down list in the **Criteria** area, select
  - **With relations** if you need to see only related elements from the selected scope.
  - **Without relations** if you need to see only non-related elements from the selected scope.
  - **All** if you need to see both related and non-related elements from the selected scope.
- Open the matrix [Specification window](#), click the **Show Elements** property value cell and choose one of the values described above. Click **Close**.

 After the **Show Elements** value is changed, you should always refresh a matrix.

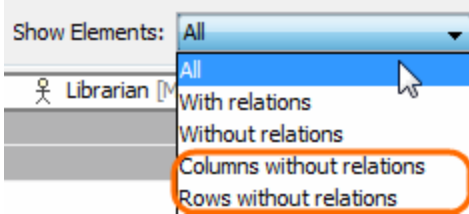
Once criteria are specified, you can create the matrix. Click  on the [Dependency Matrix](#) toolbar.




When a Dependency Matrix contains a large number of rows and/or columns, it may become difficult to work with, as you need to scroll in order to see certain parts of it. In this case, you can select to exclude cells (either rows or columns) that contain relationships and make your Dependency Matrix view more compact.

To specify what cells to display on the matrix

1. From the **Show Elements** drop-down list in the **Criteria** area, select either
  - **Columns without relations** – to show columns without relationships and all rows.
  - **Rows without relations** – to show rows without relationships and all columns.



2. Click  to refresh the matrix.