# **Selecting criteria**

On this page

- Specifying element type
- Specifying dependency criterion
- Specifying relationship direction
- Specifying what elements are visible on the matrix

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, direction of relationships as well as dependency criteria for this. Be advised that the easiest way to define all the above mentioned criteria, except the type of relationships direction is using the drag-and-drop operation.

A lot of properties of the Dependency Matrix can be specified in the the matrix Specification window.

😡 can open the matrix Specification window in one of the following ways:

- From the matrix shortcut menu
- From the matrix toolbar

## Specifying element type 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.

If you want to add additional elemen Containment     I     I     I     I     I     Containment     I     I     I     I     Containment     I	ts, press and hold Ctrl while dragging the elements to the <b>Row Element Type/Column Element Type</b>
E ▲ Model 	Row Element Type:
Containment     Image: P       Image: P     Image: Q       Image: P       Image: P       Imag	Image: Criteria       Row Element Type:       Actor       Row Scope:

- Click the use button next to the Row Element Type/Column Element Type box and in the opened dialog select what element types you wish to see on your matrix. Click OK.
- Open the matrix Specification window, click the Row Element Type/Column Element Type property value cell, then click the unit button, and in the opened dialog select what element types you wish to see on your matrix. Click Close.

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<u>^</u> -	To display subtypes of selected element types, click to select the <b>Include subtypes</b> check box.		
Specif	(press SHIFT and click to select recursively)		
Implied re the user.	V Include subtypes (1)	inherited or inner elements of the model element, in order to provide valuable information to	

You can select to show implied relationships that represent relationships between model elements caused by aggregation and composition. When supertypes, aggregates or compositions have relationships to dependent elements, the corresponding relationships are displayed for subtypes or leaves.

To specify which implied relationships you want to display on the matrix

- Click the 
   button next to Dependency Criteria.
   Under Relation Criterion, find the Implied Relations category and select the relationship you want to display.

	associate elements in matrix rows esent associations according to all			s are specified,	din a	X
Dependency Criteria	Simple Navigation 🚯				Rem	iove
·····································						
	Relation Criterion	Is Applied	Direction	Properties	Style	
		☐ false       ☐ false	Source To .	hips		
	Show only dependency crit	eria which are availa	ble for selecte	ed element types	Clea	r All
⊙ Expert				ОК	Cancel	Help

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

Relationship Properties	×
Select properties of the relationship.	
<ul> <li>♣i ■ ⊕ ⊕ ↓</li> <li>General</li> <li>Include Relationship Subtypes</li> <li>Include Inherited Relationships</li> <li>Include Aggregated Relationships</li> <li>Include Direct Relationships</li> <li>False</li> <li>Filter by Property Value</li> </ul>	
Include Relationship Subtypes Select this property to include relationship subtypes.	Close Help

- 4. In the relationship's 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 on the matrix

To specify what elements you wish to see on 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 preceding described values. Click Clos

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.

Criteria			
Row Element Type:	Class,Interface	Column Element Type:	Class,Interface
Row Scope:	High Level Domain An	Column Scope:	User
Dependency Criteria:	Abstraction	Direction: Both 👻	Show Elements: All 👻
		<sup>al</sup> Dofrach2 Do n	ot show this message again 🙁
The dependence	cy matrix content is outdated. 🕯	E Refresh? Do fi	ot snow this message again —

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.

Show Elements:	All 👻
	All With relations Without relations
	Columns without relations Rows without relations

2. Click <sup>2</sup> to refresh the matrix.