

Using Simple Navigation

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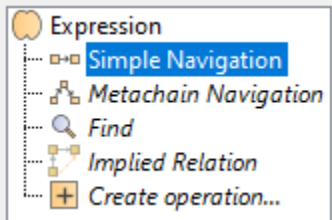
Use the Simple Navigation operation type if you need to specify a direct relation between the elements through model relationships, properties, tags, or UML operations.

Please note that the Simple Navigation operation returns a set.

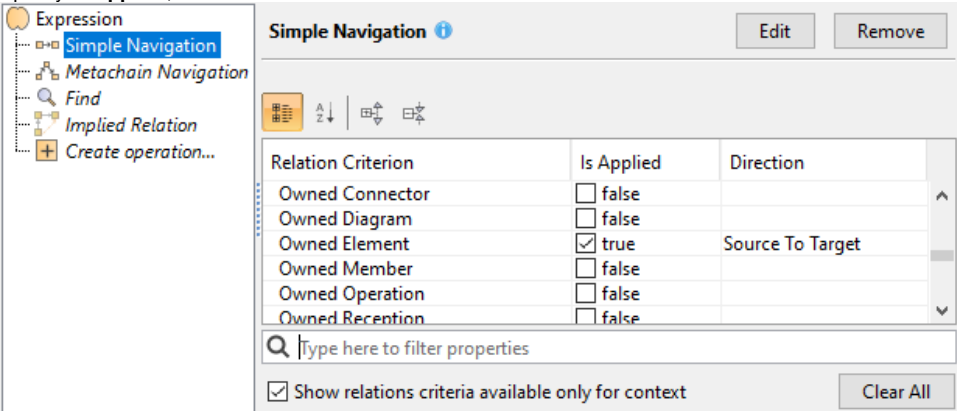
Specifying a Simple Navigation operation as criteria

To specify a Simple Navigation operation as criteria

1. Click **Simple Navigation** on the left side of the dialog.








2. Specify the **Relation Criterion**.
3. Specify **Is Applied**, **Direction**.




In the table below you can see the options that can be specified for Simple Navigation.








Option	Mode	Description
Relation Criterion	Standard/Expert	Name of a relationship, property, tag, or UML meta-operation. The whole list is by default filtered and shows only these relationships, properties, tags, and operations that are available for the Contextual element type. To see the full list, click to clear the check box below the list.
Is Applied	Standard/Expert	Select the check box to define the appropriate relationship, property, tag, or UML operation as criteria for the calculation. To clear all the selected criteria, click the Clear All button.


Direction	Standard /Expert	<p>Select from the drop-down list the direction of the appropriate relationship, property, tag, or UML operation.</p> <p>A source is a Contextual element.</p> <p>A target is the result of the calculation.</p> <p>If the direction is defined for relationships, then</p> <ul style="list-style-type: none"> The Source To Target direction means that only the outgoing relations, which are pointing from the source element to the target element, will be treated as a result of this criterion. The Target To Source direction means that only the incoming relations, which are pointing from the target element to the source element, will be treated as a result of this criterion. If Both direction is chosen, both above-described cases will be treated as a valid result. <p>If the direction is defined for properties or tags, then</p> <ul style="list-style-type: none"> The Source To Target direction means that only the properties, which exist in the source element, will be treated as a result of this criterion. The Target To Source direction means that only the properties, which exist in the target element, will be treated as a result of this criterion. If Both direction is chosen, both above-described cases will be treated as a valid result. <p>Operations support the Source To Target direction only.</p>
Style	Standard /Expert	Click the  button and in the open dialog select the color and style to represent the appropriate relationship, property, tag, or UML operation. The column is available only in the Relation Criteria dialog.
Properties	Expert	Click the  button and in the open dialog specify the properties of the selected relationship: <ul style="list-style-type: none"> Include Relationship Subtypes - select the check box to include the subtypes of the selected relationship types. Include Relationship Custom Types - select the check box to include the custom relationship types that extend the selected relationship types. Filter by Property Value - click the  button and in the open dialog select one or more properties of the selected relationship and specify their values for a more specific filter.
Result Type	Expert	Click the  button and in the open Select Element Type dialog select one or more result element types. The Result Type column is available only in the Query and Expression dialogs. You can define the element types for representation on a Dependency Matrix and Generic table. Moreover, you can define the element types for representation on a Relation Map.
Unique	Expert	<p>Select the check box to have only one identical element count as the result.</p> <p>Note: the option is unavailable if Simple Navigation is nested directly under the root union. In such a case, the root union controls the uniqueness.</p> <div style="border: 1px solid green; padding: 10px; margin-top: 10px;"> <p> The option is especially important to return non-unique numeric values to correctly execute mathematical operations (such as Sum).</p> </div>

Manipulations in Expert mode




The **Expert** mode allows you to change the [Contextual element](#) of a Simple Navigation criterion, create a new operation, and more.

 Expression


-  Simple Navigation
-  Owned Element
 -  Context = THIS
-  Metachain Navigation
-  Find
-  Implied Relation
-  Create operation...

Simple Navigation 

Edit Use as... Remove

 A Z |  

Relation Criterion	Is Applied	Direction	Properties	Result Type
Owned Connector	<input type="checkbox"/> false			
Owned Diagram	<input type="checkbox"/> false			
Owned Element	<input checked="" type="checkbox"/> true	Source To Targ...		
Owned Member	<input type="checkbox"/> false			
Owned Operation	<input type="checkbox"/> false			
Owned Reception	<input type="checkbox"/> false			

 Type here to filter properties

☒ Show relations criteria available only for context

Clear All

Changing the Contextual element of a Simple Navigation criterion

To change the [Contextual element](#) of a Simple Navigation criterion

1. On the left side of the dialog, expand the simple navigation criterion and select the **Context** parameter.
2. On the **Context** specification panel, click the **Reset** button.



The value of the **Context** parameter becomes null.

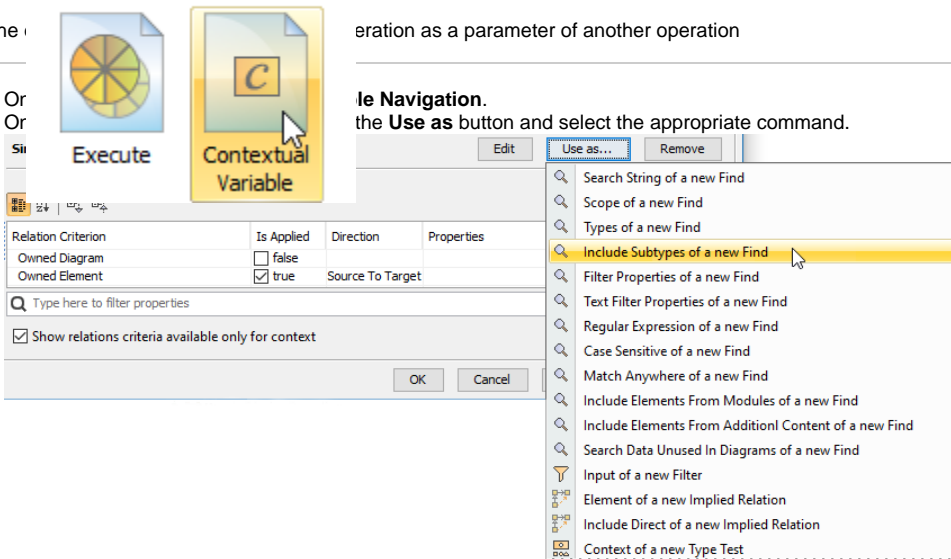
3. Select a new context from the list of operations and element types.

 Restore the original context, expand the **Other** group and click **Contextual Variable**.

Using the **Other** group of the Simple Navigation operation as a parameter of another operation

To use the **Other** group of the Simple Navigation operation as a parameter of another operation

1. Or
2. Or



3. Specify other parameters of the new operation.

Related pages

- [Selecting element types](#)
- [Specifying criteria for querying model](#)
 - [Getting started with specifying criteria](#)
 - [Using Metachain Navigation](#)
 - [Using Find operation](#)
 - [Using Implied Relations](#)
 - [Creating new operations](#)
 - [Calling operations from the model](#)
 - [Creating script operations](#)