
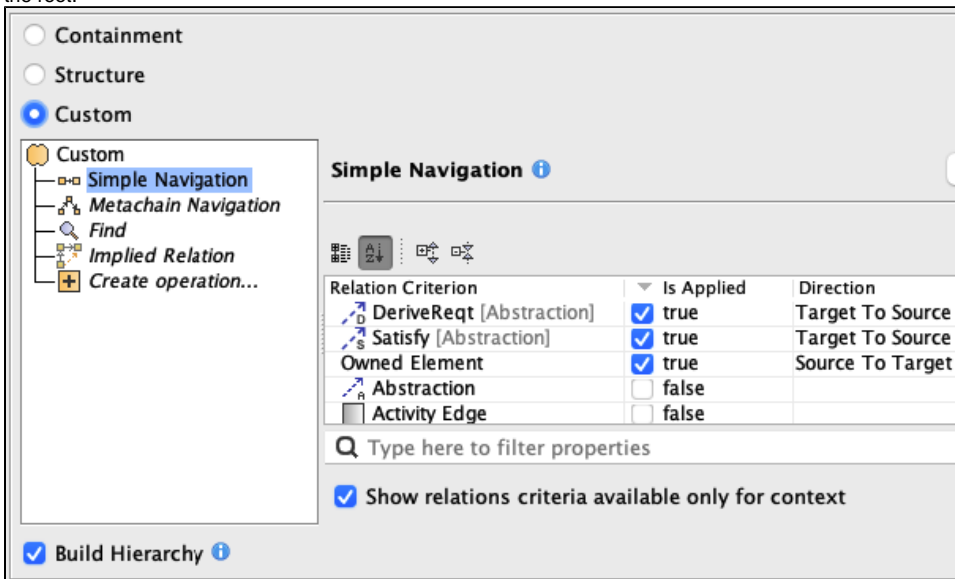


Case 9. Requirements Derivation and Satisfaction using Table Hierarchy

To perform Requirements Derivation and Satisfaction using the Table Hierarchy

1. Create a **Generic Table**.
2. Set the **Element Type** to **Call Behavior Action, Property, Requirement, State**.
3. Set the **Scope** to the Requirements that will be displayed in the Table.
4. Open the **Specification window** of the **Generic Table** and click three dots  next to the **Query** property to edit it.
5. In the **Query** dialog, select **Custom**.
6. Select **Simple Navigation** and set:
 - **DeriveReq**:
Is Applied: **True**
Direction: **Target to Source**
 - **Satisfy**:
Is Applied: **True**
Direction: **Target to Source**
 - **Owned Element**:
Is Applied: **True**
Direction: **Source to Target**
7. Select the **Build Hierarchy** check box to recursively execute the specified expression for building a multilevel hierarchy starting from the scope as the root.



Relation Criterion	Is Applied	Direction
DeriveReq [Abstraction]	<input checked="" type="checkbox"/> true	Target To Source
Satisfy [Abstraction]	<input checked="" type="checkbox"/> true	Target To Source
Owned Element	<input checked="" type="checkbox"/> true	Source To Target
Abstraction	<input type="checkbox"/> false	
Activity Edge	<input type="checkbox"/> false	

Type here to filter properties

☒ Show relations criteria available only for context

☒ Build Hierarchy

8. Click **OK**.

Sample model

The model used in these examples is the *Case Studies for Querying the Model* sample model. To open this model, you need to download [case studies for querying the model.mdzip](#).