Expression Evaluation

The expression evaluation capability in the expression editor allows you to run/execute an expression on the actual testing model while editing.

| \sim | 0000 | | History: | | | | |
|--------|---|--------|------------|---|-----------------------------------|--|--|
| | OCL2.0: self.ownedPa (THIS: Element = foo | | | | | | |
| | Parameters: | | | | | | |
| | Name | Type | Argument | Use Sel | ection 🚯 | | |
| | THIS 🔛 Elem | | 🔷 foo() | 🗖 false | | | |
| | | | | Add | Remove | | |
| | B = H | | | | | | |
| | 8-8 Th | | | | | | |
| | i 💌 |] true | | | | | |
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| | | | | | | | |
| | | | THIS Elem. | THIS Eem € foo() Image: Sem € foo() | THIS Elem ● foot) Take Add | | |

Expression Evaluation dialog showing the expression body on the left and values of parameters on the right.

To open the Expression Evaluation dialog

• In the modeling tool main menu, click Tools, and select Expression Evaluation.

While evaluating your expressions, choose:

- Use Selection. Set to True, if you want to use the selected elements as the evaluation criteria. Elements can be selected either in the Model Browser or in the diagram, but not both.
- Iterate through selection. Select the check box to evaluate model elements one by one.

The Expression Evaluation is also available in the dialogs, wherein you can define expressions, e.g., **Exp** ression editor, **Dependency Criteria**, **Body and Language** dialogs. If you want to start using the expression evaluation in one of these dialogs, click the **Evaluation Mode** button.

| | associate elements in matrix rows and colu ations according to all of these operations. | mns. If several opera | tions are specified, de | pendency | San |
|---------------------|--|--------------------------|-------------------------|----------|---|
| Dependency Criteria | Simple Navigation 🚯 | Edit | Remove | | |
| | Belation Criterion | Is Applied | Direction | Style | |
| | E Relations | | | | |
| | Abstraction | 🖂 true | Source To Target | | |
| | assembly [Dependency] | V true | Source To Target | _ | \rightarrow |
| | Association | 🔽 true | Source To Target | - | \rightarrow |
| | Association Class | false | | | |
| | builds [Association] | false | | | |
| | Cal [Usage] | false | | | |
| | Communication Path | false | | | |
| | Component Realization | false | | | |
| | Connector | false | | | |
| | S Control Flow | false | | | |
| | Q Type here to filter properties | | | | |
| | | | | | |
| | Show only dependency criteria wh | ich are available for se | elected element types | | Clear All |

Dependency Criteria dialog showing the location of the Evaluation Mode button on the right.

Related pages

- Specifying criteria for querying model
- Object Constraint Language
- Smart Package