Expression Evaluation

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

Expression Evaluation	×
	History: OCL2.0: self.ownedPa (THIS: Element = foo Parameters: Name Type Argument Use Selection THIS Elem foo() false Add Remove Add Remove
Check OCL syntax	✓ Iterate through selection 🚯 Evaluate
Expert	Close

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., **Expression** 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.

Dependency Criteria					×	
Edit Dependency Criteria Select and specify operations to associate elements in matrix rows and columns. If several operations are specified, dependency matrix cells will represent associations according to all of these operations.						
Dependency Criteria 	Simple Navigation ()			Edit	Remove	
Create operation	Relation Criterion Relations Abstraction assembly [Dependency] Association Association Class builds [Association] Call [Usage] Component Realization Connector Control Flow Q Type here to filter properties Show only dependency criteria which	Is Applied Is Applied It rue It rue If alse	Direction Source To Target Source To Target Source To Target Cource To Tar	Style	→ → → ✓ ✓	
⊙ Expert		OK	Cancel	Help Ev	valuation Mode	

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