

Requirement »Rename Block Parameter Refactoring«	
Summary	Adapts references to a parameter when it gets renamed
Developers	
Reviewers	
Owner	Elmar
Priority	Normal
Description	
<p>Blocks have input and output parameters that describe their interface. Renaming a parameter or one of its attributes thus changes the block's interface. Other blocks that interact with the changed interface must thus be adapted. We have a refactoring that automatically performs changes to input parameter names. Input parameter attribute changes, or changes to output parameter names, must still be performed manually. Extend the refactoring, so that it can handle both input and output parameter name changes and changes to input parameter attributes.</p>	
Preconditions	
<ol style="list-style-type: none"> 1. A block is open in cq.edit 	
Success Scenario	
<ol style="list-style-type: none"> 1. User opens the context menu for a parameter, e.g. parameter <i>input</i> with attributes <i>dir</i> and <i>name</i>. 2. cq.edit displays the menu group <i>Refactoring</i>. In this menu group, it displays a rename menu entry each for the parameter and its attributes, e.g. <i>Rename input</i>, <i>Rename .dir</i> and <i>Rename .name</i>. 3. User chooses a rename menu entry 4. cq.edit opens a rename dialog that allows the user to enter a new name. The dialog field's initial value is the existing name. 5. User enters a new name and closes the dialog. 6. cq.edit renames the references to the parameters in all blocks and cqrs that use it 	
Failure Scenario	
<ol style="list-style-type: none"> 1. User performs same steps as above to open the rename dialog 2. User enters as new name a name that already exists. 3. cq.edit displays an error marker and disables the OK button in the rename dialog. 	
Notes	
<ul style="list-style-type: none"> ■ Look into the existing code of the rename parameter refactoring to see what's there. Also look into code of refactoring: rename/move block. ■ If the ConQAT model has compile errors, it could be incomplete. This could make the refactoring incomplete, too. However, since we mostly use cq.edit ourselves, I do not think that this is a severe problem. 	
Change Requests	