

Revised Expression Selection Process/Dialog

Demonstrates a slightly updated logic for specifying an Expression value in the Transformation Editor.

Step 1: Select a Source field on which you wish to specify an Expression.

This screen shot is of the editor with the xml-to-json example loaded. It already has an expression mapping included - expression: (language)Header/(value)approval to the XyzOrder->approvalCode field.

We will select it in the list of Transformations.

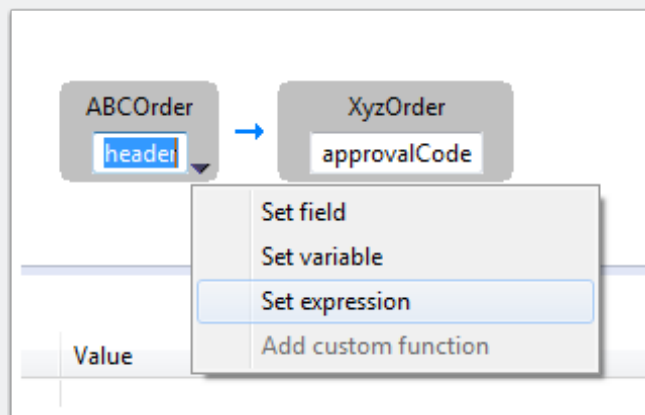
The screenshot shows the Transformation Editor interface. On the left, the 'Source: ABCOrder' tree is expanded to show the 'header' field. In the center, the 'Transformations' table lists several mappings, with the 'header' field mapped to 'approvalCode'. On the right, the 'Target: XyzOrder' tree is expanded to show the 'approvalCode' field. Below the main editor, a summary diagram shows 'ABCOrder header' mapping to 'XyzOrder approvalCode'.

Source Field	Target Field
customerNum	custId
orderNum	orderId
status	priority
item	lineItems
id	itemId
price	cost
quantity	amount
{ORIGIN}	origin
header	approvalCode

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Step 2: Use the Source field drop-down menu to select "Set expression" to open the Expression dialog.

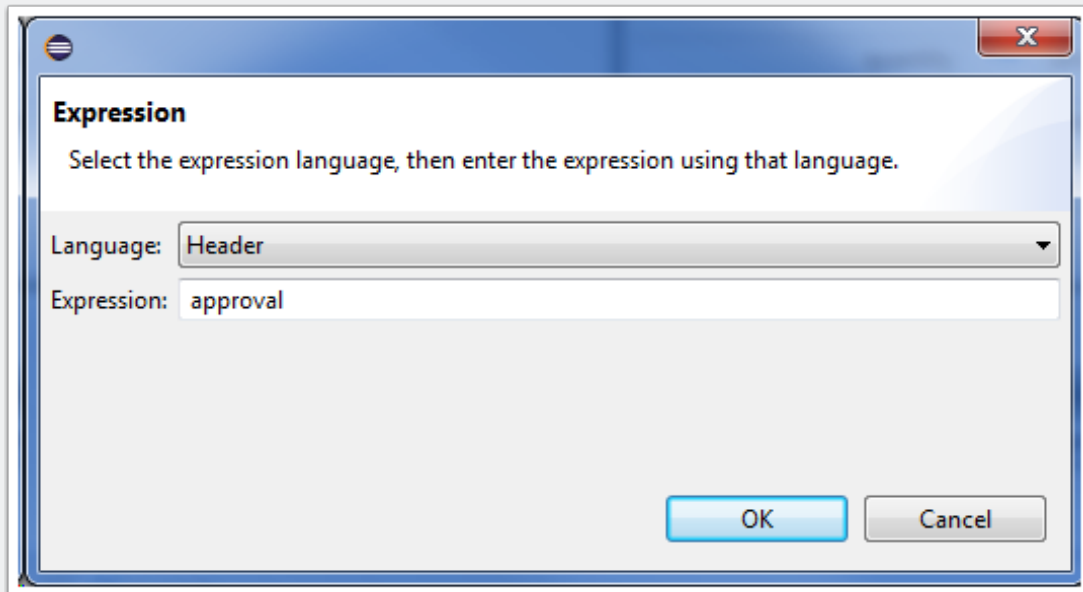
With the Transformation selected, click the arrow on the Source (left) side of the mapping to show the pop-up menu and select "Set expression."



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Step 3: The Expression dialog today.

Below is a screen shot of the expression today. Right now we only handle inline expressions to be specified and with FUSETOOLS-1352 we want to allow users the ability to reference external scripts for expressions. They can't do that right now.



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Step 4: A mockup of an updated Expression dialog

This mockup, done with Balsamiq, shows a slightly revised setup.

The Language drop-down is the same, but we now have a group box containing the old text box plus a new combo.

The Source combo box will default to "Inline" and work as it does today. The user specifies a Language, types in a Value. If the "Inline" option is specified, the browse ("...") button is disabled.

The mockup shows a dialog box titled "Fuse Transformation". Inside, there is a section titled "Expression Details" with the instruction "Select an expression language, then specify details for the expression." Below this, there is a "Language:" label followed by a drop-down menu showing "Header". Underneath, a "Details" group box contains a "Source:" label with a drop-down menu showing "Inline" and a disabled browse button ("..."). Below the "Source" field is a "Value:" label with a text box containing "approval". At the bottom right of the dialog are "OK" and "Cancel" buttons.

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Step 5: Changing the Expression source

Let's say the user has a more complicated Header script and wants to point to a file on the Classpath to get to it. They click the drop-down and select "from Classpath File". (Top image)

This enables the browse ("...") button and they can type the file name directly into the Value field or click "..." to open a file browse dialog (similar to what we have elsewhere) where they can choose a file, which then populates the value field. (Bottom image)

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Fuse Transformation

Expression Details
Select an expression language, then specify details for the expression.

Language:

Details

Source:

- from Classpath File
- from Resource Path
- from HTTP

Value:

Fuse Transformation

Expression Details
Select an expression language, then specify details for the expression.

Language:

Details

Source:

Value:

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Step 6: The HTTP or "from Resource Path" options

If the user specifies "from Resource Path" or "from HTTP" they must type the path or URL directly into the Value text field. The browse ("...") button will be disabled.

The image displays two screenshots of the 'Fuse Transformation' dialog box, illustrating the 'from Resource Path' and 'from HTTP' options.

Top Screenshot: 'from Resource Path' option

- Title:** Fuse Transformation
- Section:** Expression Details
- Instruction:** Select an expression language, then specify details for the expression.
- Language:** Header
- Details:**
 - Source:** from Resource Path
 - Value:** /somepath/myheaderscript.txt
- Buttons:** OK, Cancel

Bottom Screenshot: 'from HTTP' option

- Title:** Fuse Transformation
- Section:** Expression Details
- Instruction:** Select an expression language, then specify details for the expression.
- Language:** Header
- Details:**
 - Source:** from HTTP
 - Value:** http://myurl.com/myscript.txt
- Buttons:** OK, Cancel