

## Base Language - Feature #5746

### More meaningful error message on conversion errors with OO references

10/20/2021 08:21 AM - Marian Edu

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>version:</b>	
<b>billable:</b>	No		
<b>vendor_id:</b>	GCD		
<b>Description</b>			

#### History

##### #1 - 10/20/2021 08:21 AM - Marian Edu

That one bugged me for a long time already and now looking for alternatives on POLY set method found the cause of the nuisance during debugging, it's probably only useful when implementing the OO sdk and not when converting application code but anyway.

When accessing a method or property from a class that is missing in skeleton or FWD implementation the conversion throw a class not found exception from loadConvertedClass because the fileName there was actually null and that was because the found-in-source-file note was missing. Now that doesn't give any indication as of what went wrong there, I've added one extra loadConvertedClass method in CommonAstSupport to pass in the actual AST node and if file name is null have the toStringVerbose method of the AST node added into the exception message. This can work for method/event references in oo\_references.rules.

##### #2 - 10/21/2021 09:35 AM - Marian Edu

Never mind, it does look like the info is available in RULE output only the stack-trace was taking all of my screen space and I've got that bad habit to start from the stack trace (and I usually don't like NPEs).

##### #3 - 10/21/2021 12:09 PM - Greg Shah

If you have a better approach we are happy to try it.

##### #4 - 10/22/2021 02:33 AM - Marian Edu

Greg Shah wrote:

If you have a better approach we are happy to try it.

As said for me just looking at the exception the message `Can not find class associated with null` doesn't tell me much, if we pass the 'AST' to the CommonAstSupport.loadConvertedClass methods the error could be `Can not find associated class for member setPropertyValue` in case the fileName is null there is nothing to load anyway.

**#5 - 10/22/2021 05:36 AM - Greg Shah**

As said for me just looking at the exception the message `Can not find class associated with null` doesn't tell me much, if we pass the 'AST' to the CommonAstSupport.loadConvertedClass methods the error could be `Can not find associated class for member setPropertyValue` in case the fileName is null there is nothing to load anyway.

It is a good idea. Please go ahead with this change.

**#6 - 10/28/2021 07:10 AM - Marian Edu**

Greg Shah wrote:

It is a good idea. Please go ahead with this change.

Greg, that was pushed as part of the POLY commit - #rev12945, changes in rules/annotations/naming.rules and rules/annotations/oo\_references.rules and the loadConvertedClass in CommonAstSupport.