

Base Language - Bug #4425

Lost frame_id when converting code with missing field names to update

11/22/2019 03:38 PM - Roger Borrello

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Greg Shah	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No	version:	
vendor_id:	GCD		
Description			

History

#1 - 11/22/2019 03:46 PM - Roger Borrello

General

A typo in code resulted in update not having any field names passed to it. This creates a conversion issue for FWD, but not for Progress. However, the Progress execution skips the entire block that follows. We'll have to mimic this behavior.

Update: The fix is in branch 4207a revision 11345

P2J Branch

This is being handled in Branch **4207a**

Testcase

Checked into testcase_repo:
uast/update_no_parms/update_no_parms.p

```
define variable choice as character init "End".  
define frame f choice.
```

```
/* Alter choice screen buffer value, to determine if there is a hidden assign performed. */  
choice:screen-value = "Begin".
```

```
/* The line below is the correct line. The frame will be displayed and held for input. */
```

```
/* update choice with frame f */
```

```
/*  
 * This line is mangled as there is no widget, but Progress doesn't complain.  
 * The frame is displayed, but the program exits  
 */
```

```
update with frame f  
editing:  
  readkey.  
  apply lastkey.  
end.
```

```
/* Display shows "End", so no hidden assignment */  
display choice with frame f.
```

Artifacts

Execution Log

```
[java] -----  
[java] Core Code Conversion
```

```

[java] -----
[java]
[java] Optional rule set [customer_specific_conversion] not found.
[java] ./abl/update_no_parms.p
[java] Elapsed job time: 00:00:00.652
[java] EXPRESSION EXECUTION ERROR:
[java] -----
[java] throwException(errmsg)
[java] ^ { Missing frame-id for node id 12884901962 ( [FRAME_SCOPE]:12884901962 @0:0
[java] ) [FRAME_SCOPE id <12884901962> 0:0] }
[java] -----
[java] EXPRESSION EXECUTION ERROR:
[java] -----
[java] javaname = execLib("get_framename", this)
[java] ^ { Expression execution error @1:1 }
[java] -----
[java] ERROR:
[java] com.goldencode.p2j.pattern.TreeWalkException: ERROR! Active Rule:
[java] -----
[java] RULE REPORT
[java] -----
[java] Rule Type : WALK
[java] Source AST: [ ] BLOCK/FRAME_SCOPE/ @0:0 {12884901962}
[java] Copy AST : [ ] BLOCK/FRAME_SCOPE/ @0:0 {12884901962}
[java] Condition : throwException(errmsg)
[java] Loop : false
[java] --- END RULE REPORT ---
[java]
[java]
[java]
[java] at com.goldencode.p2j.pattern.PatternEngine.run(PatternEngine.java:1070)
[java] at com.goldencode.p2j.convert.TransformDriver.processTrees(TransformDriver.java:542)
[java] at com.goldencode.p2j.convert.ConversionDriver.back(ConversionDriver.java:580)
[java] at com.goldencode.p2j.convert.TransformDriver.executeJob(TransformDriver.java:876)
[java] at com.goldencode.p2j.convert.ConversionDriver.main(ConversionDriver.java:983)
[java] Caused by: com.goldencode.expr.ExpressionException: Expression execution error @1:12 [FRAME_SCOPE
id=12884901962]
[java] at com.goldencode.p2j.pattern.AstWalker.walk(AstWalker.java:275)
[java] at com.goldencode.p2j.pattern.AstWalker.walk(AstWalker.java:210)
[java] at com.goldencode.p2j.pattern.PatternEngine.apply(PatternEngine.java:1633)
[java] at com.goldencode.p2j.pattern.PatternEngine.processAst(PatternEngine.java:1531)
[java] at com.goldencode.p2j.pattern.PatternEngine.processAst(PatternEngine.java:1479)
[java] at com.goldencode.p2j.pattern.PatternEngine.run(PatternEngine.java:1034)
[java] ... 4 more
[java] Caused by: com.goldencode.expr.ExpressionException: Expression execution error @1:12
[java] at com.goldencode.expr.Expression.execute(Expression.java:484)
[java] at com.goldencode.p2j.pattern.Rule.apply(Rule.java:497)
[java] at com.goldencode.p2j.pattern.Rule.executeActions(Rule.java:745)
[java] at com.goldencode.p2j.pattern.Rule.coreProcessing(Rule.java:712)
[java] at com.goldencode.p2j.pattern.Rule.apply(Rule.java:534)
[java] at com.goldencode.p2j.pattern.RuleContainer.apply(RuleContainer.java:585)
[java] at com.goldencode.p2j.pattern.RuleSet.apply(RuleSet.java:98)
[java] at com.goldencode.p2j.pattern.RuleContainer.apply(RuleContainer.java:585)
[java] at com.goldencode.p2j.pattern.RuleSet.apply(RuleSet.java:98)
[java] at com.goldencode.p2j.pattern.AstWalker.walk(AstWalker.java:262)
[java] ... 9 more
[java] Caused by: com.goldencode.expr.ExpressionException: Expression execution error @1:1
[java] at com.goldencode.expr.Expression.execute(Expression.java:484)
[java] at com.goldencode.p2j.pattern.Rule.apply(Rule.java:497)
[java] at com.goldencode.p2j.pattern.Rule.executeActions(Rule.java:745)
[java] at com.goldencode.p2j.pattern.Rule.coreProcessing(Rule.java:712)
[java] at com.goldencode.p2j.pattern.Rule.apply(Rule.java:534)
[java] at com.goldencode.p2j.pattern.NamedFunction.execute(NamedFunction.java:450)
[java] at com.goldencode.p2j.pattern.AstSymbolResolver.execute(AstSymbolResolver.java:712)
[java] at com.goldencode.p2j.pattern.CommonAstSupport$Library.execLib(CommonAstSupport.java:1534)
[java] at com.goldencode.expr.CE10679.execute(Unknown Source)
[java] at com.goldencode.expr.Expression.execute(Expression.java:391)
[java] ... 18 more
[java] Caused by: com.goldencode.p2j.pattern.CommonAstSupport$UserGeneratedException: Missing frame-id fo
r node id 12884901962 ( [FRAME_SCOPE]:12884901962 @0:0
[java] ) [FRAME_SCOPE id <12884901962> 0:0]
[java] at com.goldencode.p2j.pattern.CommonAstSupport$Library.throwException(CommonAstSupport.java:28
17)
[java] at com.goldencode.p2j.pattern.CommonAstSupport$Library.throwException(CommonAstSupport.java:28
02)

```

```
[java] at com.goldencode.expr.CE10702.execute(Unknown Source)
[java] at com.goldencode.expr.Expression.execute(Expression.java:391)
[java] ... 27 more
```

BUILD FAILED

AST Snippet

```
<ast col="0" id="12884901963" line="0" text="" type="FRAME_SCOPE">
  <annotation datatype="java.lang.Long" key="frame-id" value="12884901964"/>
</ast>
<ast col="0" id="12884901962" line="0" text="" type="FRAME_SCOPE"/>
<ast col="0" id="12884901890" line="0" text="statement" type="STATEMENT">
  <ast col="1" id="12884901891" line="1" text="define" type="DEFINE_VARIABLE">
    <annotation datatype="java.lang.String" key="name" value="choice"/>
    <annotation datatype="java.lang.Long" key="type" value="373"/>
    <annotation datatype="java.lang.Boolean" key="vardef" value="true"/>
    <annotation datatype="java.lang.Long" key="support_level" value="16400"/>
    <annotation datatype="java.lang.String" key="javaname" value="choice"/>
    <annotation datatype="java.lang.String" key="classname" value="character"/>
    <ast col="17" id="12884901895" line="1" text="choice" type="SYMBOL"/>
    <ast col="24" id="12884901897" line="1" text="as" type="KW_AS">
      <ast col="27" id="12884901899" line="1" text="character" type="KW_CHAR"/>
    </ast>
  </ast>
</ast>
</ast>
```

#3 - 11/26/2019 10:28 AM - Greg Shah

The fix is in branch 4207a revision 11342.

#4 - 11/26/2019 10:41 AM - Roger Borrello

Greg Shah wrote:

The fix is in branch 4207a revision 11342.

Added additional testcases to demonstrate prompt-for and set behavior

Testcase: uast/update_no_parms/prompt-for_no_parms.p

```
define variable choice as character init "End".
define frame f choice.

/* Alter choice screen buffer value, to determine if there is a hidden assign performed. */
choice:screen-value = "Begin".

/*
 * The line below is the correct line. The frame will be displayed and held for input.
 * prompt-for choice with frame f
 */
/*
 * This line is mangled as there is no widget, but Progress doesn't complain.
 * The frame is displayed, but the program exits
 */
  prompt-for with frame f
  editing:
    readkey.
    apply lastkey.
  end.

/* Display shows "End", so no hidden assignment */
display choice with frame f.
```

Testcase: uast/update_no_parms/set_no_parms.p

```
define variable choice as character init "End".
define frame f choice.

/* Alter choice screen buffer value, to determine if there is a hidden assign performed. */
choice:screen-value = "Begin".

/*
 * The line below is the correct line. The frame will be displayed and held for input.
 * set choice with frame f
 */
/*
 * This line is mangled as there is no widget, but Progress doesn't complain.
 * The frame is displayed, but the program exits
 */
  set with frame f
  editing:
    readkey.
    apply lastkey.
  end.

/* Display shows "End", so no hidden assignment */
display choice with frame f.
```

#5 - 11/26/2019 07:30 PM - Greg Shah

This change caused a bad regression that dropped all prompt-for/set/update statements. Fixed in rev 11343.

#6 - 11/27/2019 09:58 AM - Greg Shah

- Assignee set to Greg Shah
- % Done changed from 0 to 100
- Status changed from New to Test

#7 - 11/27/2019 10:11 AM - Roger Borrello

Greg Shah wrote:

This change caused a bad regression that dropped all prompt-for/set/update statements. Fixed in rev 11343.

There's minor typo in the comment (TABLE-HADNLE). I can check in an update, if warranted.

#8 - 11/27/2019 10:47 AM - Greg Shah

Sure.

#9 - 11/27/2019 11:12 AM - Roger Borrello

Greg Shah wrote:

Sure.

Updated in 4207a-11345

#10 - 03/03/2020 02:40 PM - Roger Borrello

Task branch 4207a was merged to trunk as revision 11344.

#11 - 03/04/2020 10:29 AM - Greg Shah

- Status changed from Test to Closed