

## Saxon - Bug #4530

### NullPointerException with ``<xsl:copy-of select=""/>``

2020-04-28 12:22 - Michael Kay

<b>Status:</b>	Closed	<b>Start date:</b>	2020-04-28
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Michael Kay	<b>% Done:</b>	100%
<b>Category:</b>	XSLT conformance	<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Spent time:</b>	0:00 hour
<b>Legacy ID:</b>		<b>Fixed in Maintenance Release:</b>	10.2, 9.9.1.8
<b>Applies to branch:</b>	10, 9.9	<b>Platforms:</b>	
<b>Fix Committed on Branch:</b>	10, 9.9		

#### Description

Norm Tovey-Walsh reports on the saxon-help mailing list:

In the course of debugging, I wanted to make sure the input actually contained something. I decided the least disruptive way to simply copy the input to the output was:

```
<xsl:template match="/"> <xsl:sequence select="/"> </xsl:template>
```

It goes bang in 9.9.1-7 EE:

```
java.lang.NullPointerException
  at net.sf.saxon.expr.Expression.getRetainedStaticContext(Expression.java:461)
  at net.sf.saxon.expr.parser.LoopLifter.process(LoopLifter.java:50)
  at net.sf.saxon.expr.parser.ExpressionTool.optimizeComponentBody(ExpressionTool.java:1213)
  at com.saxonica.ee.trans.TemplateRuleInitializer.init(TemplateRuleInitializer.java:63)
  at com.saxonica.ee.trans.TemplateRuleEE.initialize(TemplateRuleEE.java:85)
  at net.sf.saxon.trans.Mode.applyTemplates(Mode.java:509)
```

#### History

##### #1 - 2020-04-28 13:38 - Michael Kay

RootExpression.typeCheck() rewrites "/" as "." if the context item type is document-node() (for streamability reasons, primarily). The rewrite is failing to copy static context and location information to the new expression, and this isn't defaulting to the information from the parent expression because the expression has no parent.

##### #2 - 2020-04-28 13:39 - Michael Kay

- Status changed from New to Resolved

- Applies to branch 10 added

- Fix Committed on Branch 10, 9.9 added

##### #3 - 2020-05-14 17:46 - O'Neil Delpratt

- % Done changed from 0 to 100

- Fixed in Maintenance Release 10.1 added

Bug fix committed in the Saxon 10.1 maintenance release.

##### #4 - 2020-10-22 18:19 - O'Neil Delpratt

- Status changed from Resolved to Closed

- Fixed in Maintenance Release 10.2, 9.9.1.8 added

- Fixed in Maintenance Release deleted (10.1)

Bug fix applied on the Saxon 9.9.1.8 maintenance release.