

## Saxon-CE - Bug #1603

### Cannot load XML with same URI as the host page

2012-08-14 14:32 - Manfred Staudinger

<b>Status:</b> Closed	<b>Start date:</b> 2012-08-14
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0:00 hour
<b>Sprint/Milestone:</b> Release 1.1	<b>Spent time:</b> 0:00 hour
<b>Platforms:</b>	
<b>Description</b>	
Using script element to invoke Saxon-CE with SaxonceDebug and omitting the logLevel URI parameter gives this error message:	
<pre>[14.08.2012 16:16:23] JavaScript - http://test.rudolphina.org/SaxonceDebug/8F77957029E1C121EE89B4E62B41B174.cache.html console.error SaxonCE.Xslt120Processor 16:16:23.370 SEVERE: Cannot load XML with same URI as the host page</pre>	
Same on file:// protocol, seems not to depend on namespace. Works as expected with logLevel specified.	

#### History

##### #1 - 2012-08-14 16:05 - Philip Fearon

This restriction is by design - it was introduced in response to a reported bug that was caused by ambiguity on whether the context node for an `xsl:result-document` instruction was associated with the XML source or the host HTML page. Omitting the `logLevel` URI parameter should not affect this behaviour - so this inconsistent behaviour would be a bug. I will check back through the issues log to identify the original issue that led to this restriction being introduced.

##### #2 - 2012-08-26 09:36 - Manfred Staudinger

I would like some advice for debugging further. Just to recap:

- I'm fine with this restriction, but my program does no such load, it's done by SaxonceDebug.
- To avoid this error it is sufficient to add a "?" in the browsers address bar. This most probably means Saxon-CE takes the full URI for comparison but should take the URL part only.
- The very same program executed with Saconce succeeds without error (a bit disturbing).

##### #3 - 2012-08-27 08:20 - Philip Fearon

The restriction means that the following line within test.html fails:

```
<script type="application/xslt+xml" language="xslt2.0" src="Ind_Pers_de.xsl" data-source="test.html"></script>
```

The `data-source` attribute, `test.html` is the same URL as the page containing this script element. Because the `ixsl:page()` function is used to access the host page DOM, you don't need to set `test.html` as the `data-source` also - and there's the potential for confusion/ambiguity if you do - hence the restriction.

When you're not interested in another XML data-source you still need an 'entry-point' for the XSLT processor, the approach here would normally be to set the initial template name instead, like 'main' as shown in the example below:

```
<script type="application/xslt+xml" language="xslt2.0" src="Ind_Pers_de.xsl" data-initial-template="main"></script>
```

With this set, all that remains is to change the entry-point template to be named 'main', instead of having a `match="/"` attribute - as follows:

```
<xsl:template name="main">  
  <xsl:result-document href="#htmlbody" method="ixsl:replace-content">  
    <xsl:apply-templates select="ixsl:page()/**/*[@id='htmlbody']/*" mode="init"/>  
  </xsl:result-document>  
</xsl:template>
```

Fortunately, your code was already using `ixsl:page()` (instead of the context node) to access the document node - so the unaltered select attribute value in the apply-templates instruction in your code should have the desired effect.

The bug that causes different behaviours depending on URLs and Saxon/SaxonDebug versions will be fixed for the next maintenance release. I should also mention that if you need to set the Saxon `logLevel` without using a URL parameter (like this case when the URL affects behaviour) you could use the alternative [JavaScript API](#) instead of the `xslt2.0` script element as follows:

```
<script type="text/javascript" language="javascript">
onSaxonLoad = function() {
  proc = Saxon.run( {
    stylesheet: 'Ind_Pers_de.xsl',
    initialTemplate: 'main',
    logLevel: 'FINEST'
  } );
}
</script>
```

#### #4 - 2013-02-21 10:03 - O'Neil Delpratt

- Status changed from New to Resolved
- % Done changed from 0 to 100
- Found in version set to 1.0
- Fixed in version set to 1.1

Fixed in Saxon-CE 1.1 release

#### #5 - 2013-02-22 11:00 - O'Neil Delpratt

- Status changed from Resolved to Closed
- Sprint/Milestone set to Release 1.1

Bug fixed for Saxon-CE version 1.1 release

#### Files

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test.html	1.12 KB	2012-08-14	Manfred Staudinger
Ind_Pers_de.xsl	2.83 KB	2012-08-14	Manfred Staudinger