Saxon - Bug #4229

The saxon:system-id() function does not return the correct systemID when the documents contains xi:include

2019-05-31 08:19 - Octavian Nadolu

Status:	Closed	**Start date:**	2019-05-31
Priority:	Normal	**Due date:**	
Assignee:	Michael Kay	**% Done:**	100%
Category:	Saxon extensions	**Estimated time:**	0:00 hour
Sprint/Milestone:		**Spent time:**	0:00 hour
Legacy ID:		**Fixed in Maintenance Release:**	9.9.1.5
Applies to branch:	9.8, 9.9, trunk	**Platforms:**	
Fix Committed on Branch:	9.8, 9.9, trunk		

Description

It seems that the saxon:system-id() function does not return the correct systemID when you have a document that contains xi:include. For example if I apply the "printSysID.xsl" stylesheet on the "refentry2.xml", for the "@remap" attribute from the "refentry2.xml" file it returns "file:/.../para.xml" systemId in some cases. I tested with Saxon 9.9.1.2 and Saxon 9.8.0.12 PE and EE

History

#1 - 2019-05-31 12:51 - Michael Kay

The problem is that TinyAttributeImpl does not implement the method getSystemId(), so it is defaulting to the implementation in TinyNodeImpl.getSystemId(), which is incorrect for attribute nodes because it uses an attribute node number to index into the table of system IDs, when this table is indexed by element node numbers.

Therefore the system ID returned for attribute nodes (in a tinyTree) is incorrect.

Fix by adding to TinyAttributeImpl:

```
@Override
    public String getSystemId() {
        NodeInfo parent = getParent();
        return parent == null ? null : getParent().getSystemId();
    }
```

Workaround: use ../saxon:system-id().

#2 - 2019-05-31 12:55 - Michael Kay

- Category set to Saxon extensions

- Status changed from New to Resolved

- Assignee set to Michael Kay

- Applies to branch 9.9, trunk added

- Fix Committed on Branch 9.9, trunk added

#3 - 2019-05-31 12:57 - Michael Kay

- Applies to branch 9.8 added

- Fix Committed on Branch 9.8 added

#4 - 2019-06-28 19:32 - O'Neil Delpratt

- % Done changed from 0 to 100

- Fixed in Maintenance Release 9.9.1.4 added

Bug fix applied in the Saxon 9.9.1.4 maintenance release.

#5 - 2019-09-05 16:42 - O'Neil Delpratt

- Status changed from Resolved to Closed

- Fixed in Maintenance Release 9.9.1.5 added

- Fixed in Maintenance Release deleted (9.9.1.4)

Bug fix applied in the Saxon 9.9.1.5 maintenance release.

Files

printSysID.xsl	404 Bytes	2019-05-31	Octavian Nadolu
para.xml	449 Bytes	2019-05-31	Octavian Nadolu
refentry2.xml	3.6 KB	2019-05-31	Octavian Nadolu