

Saxon/C - Bug #2652

cast from 'jobject {aka __jobject*}' to 'jint {aka jint}' loses precision [-fpermissive]

2016-02-26 10:54 - O'Neil Delpratt

Status:	Closed	Start date:	2016-02-26
Priority:	Normal	Due date:	
Assignee:	O'Neil Delpratt	% Done:	100%
Category:	C++ API	Estimated time:	0:00 hour
Sprint/Milestone:		Spent time:	0:00 hour
Found in version:	1.0.0	Platforms:	
Fixed in version:	1.0.1		

Description

On some 64-bit linux machine the following error occurs when building Saxon/C on C++:

```
../../../../Saxon.C.API/XdmNode.cpp: In member function 'int XdmNode::getAttributeCount()':  
../../../../Saxon.C.API/XdmNode.cpp:205:19: error: cast from 'jobject {aka __jobject*}' to 'jint {aka jint}' loses precision [-fpermissive]  
    value->xdmvalue));
```

A workaround is to cast the lines affected to jlong first. See below:

```
jint result = (jlong)(proc->environ->env->CallStaticObjectMethod(xdmUtilsClass, xmID, value->xdmvalue));
```

A fix has been committed to subversion to the XdmNode.cpp file where we cast the value to jlong and then to jint.

History

#1 - 2016-02-26 11:01 - O'Neil Delpratt

- Status changed from New to Resolved

Fix also made in the class SaxonProcessor

#2 - 2016-04-07 17:51 - O'Neil Delpratt

- Found in version set to 1.0.0

- Fixed in version deleted (1.0.0)

#3 - 2016-04-07 17:53 - O'Neil Delpratt

- Status changed from Resolved to Closed

- Fixed in version set to 1.0.1

Bug fix applied in the Saxon/C 1.0.1 maintenance release.