

## Saxon - Bug #3288

### Performance of streaming with `xsl:fork/xsl:for-each-group/@group-by`

2017-06-19 10:23 - Michael Kay

<b>Status:</b>	Closed	<b>Start date:</b>	2017-06-19
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	Michael Kay	<b>% Done:</b>	0%
<b>Category:</b>	Performance	<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Spent time:</b>	0:00 hour
<b>Legacy ID:</b>		<b>Fix Committed on Branch:</b>	
<b>Applies to branch:</b>	9.8	<b>Fixed in Maintenance Release:</b>	

#### Description

Although bug [#3281](#) is now fixed, investigation of the bug showed a performance problem with streamed group-by. Specifically, there will be a Watch registered with the WatchManager every time a new group is encountered, and on each `startElement()` event, the WatchManager will go through this list of Watches sequentially to determine which of them match. Most of them won't match, but the cost of this search will increase with the number of groups, so applications involving a very large number of groups will become very inefficient.

#### History

##### #1 - 2020-11-22 20:13 - Michael Kay

- Description updated

- Status changed from New to Closed

I have studied the behaviour of a streamed grouping test case in the debugger and the problem reported here appears not to exist.