

Saxon - Bug #5077

C#.Net: This "Evaluate()" statement take more time and memory consumption in 9.9.1.8 version.

2021-09-03 07:24 - Dipak Shinde

Status: Closed	Start date: 2021-09-03
Priority: High	Due date: 2021-09-03
Assignee: Michael Kay	% Done: 0%
Category: .NET API	Estimated time: 0:00 hour
Sprint/Milestone: 9.9.1.8	Spent time: 0:00 hour
Legacy ID:	Fixed in Maintenance Release:
Applies to branch:	Platforms:
Fix Committed on Branch:	
Description	
Below is statement: var evaluations = evaluator.Evaluate()	
Related issues:	
Has duplicate Saxon - Bug #5078: C#.Net: This "Evaluate()" statement take mor...	Duplicate 2021-09-03

History

#1 - 2021-09-03 10:43 - Michael Kay

Firstly, you need to tell us what you are comparing it with.

Secondly, you need to tell us exactly what you are doing: provide us with sample code that we can execute, preferably including the code you use to measure performance. And tell us what the run-time environment is.

Thirdly, tell us what performance degradation you are seeing. If it's a 5% increase, that's not something we would consider worth investigating, because in any release, some things will go a bit faster and some a bit slower. If it's running 10 times slower, that's something we would want to look at.

#2 - 2021-09-03 11:36 - Dipak Shinde

Below are requested details:

1. A per our business logic we have created rule(Xquery) and we are evaluating this with the help of evaluate method. 2 XQuery:

```
let $gReturnDataState := element{'ReturnDataState'} {} let $gSchA.....
```

```
for $ReturnDataState at $currentReturnDataStatePos in if(.....
```

```
let $genSchA := false() let $genAllRealTangibleProperty.....
```

```
x:AllPropEndYrTotal x:ReturnState/x:ReturnDataState/x:SchA/x:AllRealTangibleProperty/x:AllPropEndYrTotal {$AllPropEndYrTotalData}
.....
```

Code: XdmValue evaluations = evaluator.Evaluate();

1. For few rules XQuery execution takes greater than 30GB memory.

#3 - 2021-09-03 11:38 - Dipak Shinde

Dipak Shinde wrote:

Below are requested details:

1. A per our business logic we have created rule(Xquery) and we are evaluating this with the help of evaluate method.
2. XQuery:

```
let $gReturnDataState := element{'ReturnDataState'} {} let $gSchA.....
```

```
for $ReturnDataState at $currentReturnDataStatePos in if(.....
```

```
let $genSchA := false() let $genAllRealTangibleProperty.....
```

x:AllPropEndYrTotal x:ReturnState/x:ReturnDataState/x:SchA/x:AllRealTangibleProperty/x:AllPropEndYrTotal {\$AllPropEndYrTotalData}
.....

Code: XdmValue evaluations = evaluator.Evaluate();

1. For few rules XQuery execution takes greater than 30GB memory.

#4 - 2021-09-03 11:38 - Dipak Shinde

XQuery:

let \$gReturnDataState := element{'ReturnDataState'} {} let \$gSchA.....

for \$ReturnDataState at \$currentReturnDataStatePos in if(.....

let \$genSchA := false() let \$genAllRealTangibleProperty.....

x:AllPropEndYrTotal x:ReturnState/x:ReturnDataState/x:SchA/x:AllRealTangibleProperty/x:AllPropEndYrTotal {\$AllPropEndYrTotalData}
.....

#5 - 2021-09-03 11:40 - Dipak Shinde

- File Saxon API Query.txt added

Dipak Shinde wrote:

Below are requested details:

1. A per our business logic we have created rule(Xquery) and we are evaluating this with the help of evaluate method. 2 XQuery:

let \$gReturnDataState := element{'ReturnDataState'} {} let \$gSchA.....

for \$ReturnDataState at \$currentReturnDataStatePos in if(.....

let \$genSchA := false() let \$genAllRealTangibleProperty.....

x:AllPropEndYrTotal x:ReturnState/x:ReturnDataState/x:SchA/x:AllRealTangibleProperty/x:AllPropEndYrTotal {\$AllPropEndYrTotalData}
.....

Code: XdmValue evaluations = evaluator.Evaluate();

1. For few rules XQuery execution takes greater than 30GB memory.

#6 - 2021-09-03 11:44 - Dipak Shinde

Please delete unnecessary comment, I am not able to delete comment.

#7 - 2021-09-03 11:46 - Dipak Shinde

Please new comment in attachments.

#8 - 2021-09-03 11:47 - Dipak Shinde

Dipak Shinde wrote:

Please find new comment in attachments.

#9 - 2021-09-06 00:17 - Michael Kay

- Has duplicate Bug #5078: C#.Net: This "Evaluate()" statement take more time and memory consumption in 9.9.1.8 version. added

#10 - 2021-09-06 00:22 - Michael Kay

We're still waiting for answers to the same three questions:

(1) you say it takes longer in 9.9.1.8. Longer than what? What release are you comparing it with?

(2) we need to see the actual query and a sample source document that demonstrates the problem.

(3) we need to know what (space and time) measurement you have made, and how you made them.

#11 - 2021-11-07 00:31 - Michael Kay

- *Status changed from New to Closed*

I am closing this as we do not have enough information to investigate it any further.

Files

Saxon API Query.txt	995 Bytes	2021-09-03	Dipak Shinde
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