

Saxon - Bug #2002

XPathException was unhandled in .NET

2014-02-10 13:08 - O'Neil Delpratt

Status:	Closed	Start date:	2014-02-10
Priority:	Normal	Due date:	
Assignee:	O'Neil Delpratt	% Done:	100%
Category:	.NET API	Estimated time:	0:00 hour
Sprint/Milestone:		Spent time:	0:00 hour
Legacy ID:		Fixed in Maintenance Release:	
Applies to branch:		Platforms:	
Fix Committed on Branch:			

Description

Reported by a Saxon user:

The following C#-Code always reports an 'XPathException was unhandled' with the message "The XML parser reported two validation errors" due a validation error in the XML parser. This should be caught by the Saxon .NET API and thrown as an .NET exception:

```
public void Transform(string xmlPath, string xslPath, string outputPath)
{
    FileStream outputStream = null;
    Processor proc = null;
    XsltCompiler compiler = null;
    XsltTransformer transformer = null;
    XsltExecutable exec = null;

    IList errors = new ArrayList();

    try
    {
        outputStream = new FileStream(outputPath, FileMode.Create, FileAccess.Write);

        proc = new Processor(true);

        proc.SetProperty("http://saxon.sf.net/feature/validation", "false");
        proc.SetProperty("http://saxon.sf.net/feature/dtd-validation-recoverable", "true");
;
        proc.SetProperty("http://saxon.sf.net/feature/validation-warnings", "true");

        //proc.SetProperty(FeatureKeys.SCHEMA_VALIDATION, "0"); => NOT WORKING

        XmlDocument input = proc.NewDocumentBuilder().Build(new Uri(xmlPath));
        compiler = proc.NewXsltCompiler();
        compiler.ErrorList = errors;
        compiler.SchemaAware = false;

        exec = compiler.Compile(new Uri(xslPath));
        transformer = exec.Load();
        transformer.MessageListener = new UserMessageListener();

        transformer.InitialContextNode = input;

        Serializer serializer = new Serializer();
        serializer.SetOutputStream(outputStream);
        transformer.Run(serializer);
    }
}
```

```
        StringBuilder errorMessage = new StringBuilder();

        if (errors.Count > 0)
            throw new ApplicationException(string.Join("\n", errors));
    }
    catch (StaticError se)
    {
        Console.WriteLine("Test failed with static error " + se.ErrorCode.LocalName + ": "
+ se.Message);
    }
    catch (DynamicError de)
    {
        Console.WriteLine("Test failed with dynamic error " + de.ErrorCode.LocalName + ": "
" + de.Message);
    }

    finally
    {
        if (outStream != null)
            outStream.Close();

        outStream = null;
        transformer = null;
        exec = null;
        compiler = null;
        proc = null;
    }
}
```

History

#1 - 2014-02-11 11:04 - O'Neil Delpratt

- Status changed from *In Progress* to *Resolved*
- % Done changed from 0 to 100

Big fixed and committed to subversion. Change made in the Configuration.cs to catch XPathException and throw as StaticError.

#2 - 2014-03-25 15:18 - O'Neil Delpratt

- Status changed from *Resolved* to *Closed*
- Fixed in version set to 9.5.1.5

Bug fix applied in Saxon maintenance release 9.5.1.5