

## Saxon-JS - Support #4809

### How to use collections in Saxon-JS?

2020-10-26 22:19 - Jerry Jackson

<b>Status:</b> New	<b>Start date:</b> 2020-10-26
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0:00 hour
<b>Sprint/Milestone:</b>	<b>Spent time:</b> 0:00 hour
<b>Applies to JS Branch:</b> 2	<b>SEF Generated with:</b>
<b>Fix Committed on JS Branch:</b>	<b>Platforms:</b>
<b>Fixed in JS Release:</b>	

#### Description

I have a very simple stylesheet:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="3.0">
  <xsl:template name="xsl:initial-template">
    <xsl:apply-templates select="collection('file:/C:/temp/mydir')"/>
  </xsl:template>
</xsl:stylesheet>
```

When I run this with Saxon-JS on the command-line (xslt3 "-xsl:test.xml"), I get this error:

```
Transformation failure: Error FODC0002 at test.xml#4
  Unknown collection (no collectionFinder supplied)
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  Unknown collection (no collectionFinder supplied)
```

I have tried to run it with the API, and reading the documentation I see I can supply a collectionFinder in the transform method, but I'm not sure on how to implement it to get the same result as when running it in Saxon-Java.

#### History

##### #1 - 2020-10-26 22:48 - Michael Kay

Another user has been asking about this at

<https://saxonica.plan.io/boards/3/topics/8050>

and you may find that discussion helpful.

Essentially the implementation of collection() in Saxon-JS is absolutely minimal, since it just delegates the entire logic to the user-supplied CollectionFinder. To replicate the Saxon-J behaviour of processing directory contents recursively you'll have to implement it yourself. Sorry about that.

##### #2 - 2020-10-27 11:49 - Debbie Lockett

- Project changed from Saxon to Saxon-JS

##### #3 - 2020-10-27 13:26 - Jerry Jackson

Michael Kay wrote:

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Can you show a minimal example of how to implement collectionFinder? From looking at the other question, it seems the expected return type is an array of whatever Saxon.getResource() returns, but my attempts to make it work have failed so far, and unfortunately the error messages are rather cryptic.

**#4 - 2020-10-29 00:00 - Martin Honnen**

As for a smaller sample using collectionFinder, see whether <https://saxonica.plan.io/issues/4797#note-3> helps. It uses Saxon.getResource and await to preload an array of two document nodes and makes them available from collectionFinder.

**#5 - 2021-02-11 14:08 - Debbie Lockett**

*- Applies to JS Branch 2 added*