

## Saxon/C - Feature #4842

### PHP 8

2020-11-26 18:38 - Peter Jan

<b>Status:</b>	New	<b>Start date:</b>	2020-11-26
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	O'Neil Delpratt	<b>% Done:</b>	0%
<b>Category:</b>	PHP Build	<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Spent time:</b>	0:00 hour
<b>Found in version:</b>		<b>Fixed in version:</b>	
<b>Description</b>			
PHP 8 has been released today, so inevitably someone has to create a ticket and ask if it becomes supported ;)			
Is support for PHP8 planned for the next release?			

### History

#### #1 - 2020-11-26 18:39 - Peter Jan

Apologies; should be a feature request and not a bug report.

#### #2 - 2020-11-26 18:47 - Michael Kay

Perhaps you could be the first to try it and tell us if it already works?

With most platforms (Java, C#, etc) we don't explicitly test or support the product when a new version of the platform comes out, we just rely on the user community to tell us if there's a problem. Usually there isn't.

#### #3 - 2020-11-26 22:58 - Peter Jan

Ah! In that case, unfortunately it doesn't work. Because the final version is not yet available as a docker image, I tested it on php:8.0.0RC5-fpm. It was working on php:7.4.12-fpm.

Please find the full log here: <https://pastebin.com/m3rHAsrL>.

To reproduce, run the following Dockerfile:

```
FROM php:8.0.0RC5-fpm AS php

RUN set -eux; \
    apt-get update && apt-get install -y --no-install-recommends \
        unzip \
    ; \
    rm -rf /var/lib/apt/lists/*;

ARG saxon='libsaxon-HEC-setup64-v1.2.1'
RUN set -eux; \
    cd /tmp && curl -s -o ${saxon}.zip https://www.saxonica.com/saxon-c/${saxon}.zip; \
    unzip ${saxon}.zip; \
    ./${saxon} -batch -dest /tmp/saxon; \
    cp /tmp/saxon/libsaxonhec.so /usr/lib/; \
    cp -r /tmp/saxon/rt /usr/lib; \
    ldconfig; \
    cd /tmp/saxon/Saxon.C.API/; \
    sed -i 's/#define PHP_SAXON_EXTNAME "Saxon\C"/#define PHP_SAXON_EXTNAME "SaxonC"/g' php_saxon.h; \
    phpize; \
    ./configure --enable-saxon; \
    make -j$(nproc); \
    make install; \
    docker-php-ext-enable saxon; \
    rm -rf /tmp/${saxon}.zip /tmp/${saxon} /tmp/saxon;
```

#### #4 - 2020-11-26 23:55 - O'Neil Delpratt

- *Tracker changed from Bug to Feature*

Thanks for looking into this. I am not surprised it does not work. We will have investigate what changes need to be made to migrate our extension

from PHP7 to PHP8.

Aside from PHP7 and PHP8 support, I am now wondering if we still need to support PHP5.

**#5 - 2020-11-27 10:53 - Peter Jan**

Well considering that PHP 5 went EOL almost 2 years ago :) I'm not sure if that would mean improvements can be made which were previously not possible because you had to support both versions? I'm not an extension developer so I really couldn't tell.

<https://www.php.net/supported-versions.php>

The build problems reported above look really similar to the issues reported here: <https://github.com/docker-library/php/issues/571>

But maybe you already know :)

**#6 - 2021-02-24 11:41 - Peter Jan**

I noticed in another issue you're mentioning Saxon/C 1.3; Is PHP 8 support planned for 1.3 as well? I'm asking because this extension is currently my last blocker for using PHP 8 and I would very much like to upgrade.

I found the PR's below where another extension is upgraded to PHP 8, maybe they're of use :).

<https://github.com/php-decimal/ext-decimal/pull/53><https://github.com/php-decimal/ext-decimal/pull/54>

**#7 - 2021-02-24 14:46 - O'Neil Delpratt**

- *Category set to PHP Build*
- *Assignee set to O'Neil Delpratt*
- *Priority changed from Low to Normal*

Hi thanks for the reminder on this issue. Saxon/C 1.3 development is coming along well, hopefully I can start looking at the PHP 8 support by the end of this week.

**#8 - 2021-02-24 15:51 - Peter Jan**

Awesome. Thank you!