kpdfsync

github.com/coderarjob/kpdfsync

Software manual

Table of Contents

Minimum requirements

- Java Runtime Engine 1.8
- Operating Systems: Linux, Windows 7, Mac OS Sierra
- Linux: poppler-utils
- Windows: poppler-utils(**) is included with the release. (will work out of the box)

Running kpdfsync

- Download the zip of the latest release from github.com/coderarjob/kpdfsync/releases
- Extract the zip file and go into the folder.
- Windows: Run `kpdfsync.bat`
- Mac and Linux: Run `kpdfsync` file.

Kpdfsync reads this 'My Clippings.txt' text file and applies highlights and notes at the correct place to PDF files, as was done on Kindle.It is easy to use.

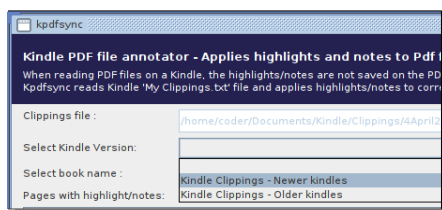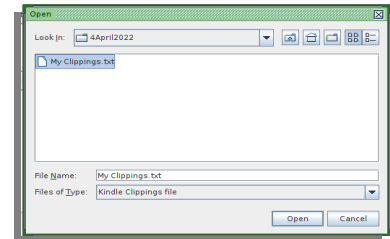## Step 1: Connect your Kindle to a Computer

You will find this file in '' in the Kindle. Copy it locally.
If you do not have the PDF file locally, copy it from Kindle as well.

Step 2: Open the My Clippings.txt file and select the book
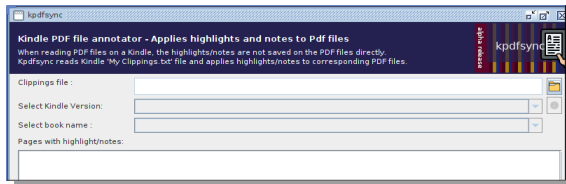
Open My Clippings.txt file

Click on the 📁 icon, and select the My Clippings.txt file you want to use.

Select Kindle Version

If you are using a modern Kindle select
'Newer Kindles', otherwise select 'Older Kindles'. Click on ℹ️ for more information.
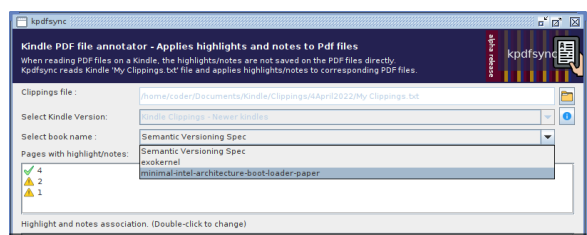
Select PDF book or document you want to highlight

This list contains all the books you have read on your Kindle. Select the PDF book or document which you want to work with.
Note: At this point, you see all the books, but kpdfsync only works with PDF files.
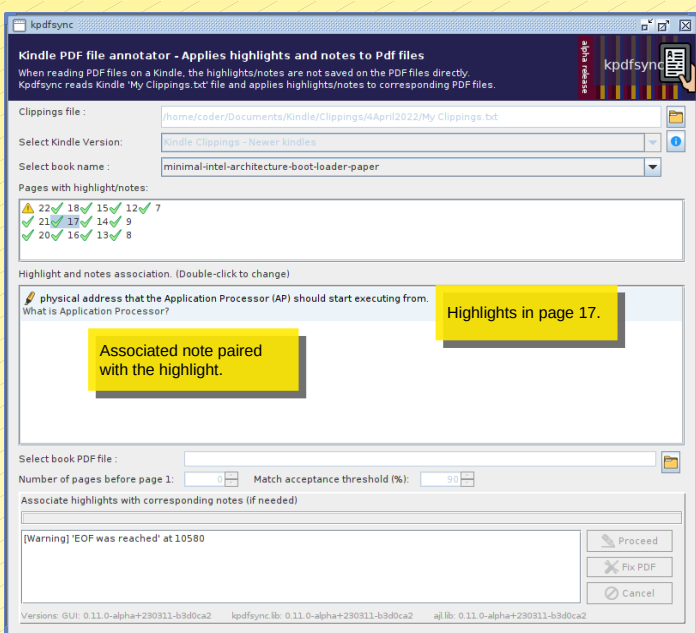
Page numbers
Page numbers of with one more more highlights or notes.

Highlights and notes
Click on a page number and you will see highlights and associates notes in the list below.

Step 3: Pairing of notes with highlights

In Kindle, a notes are always associated with a highlight.
There can be no note without a highlight.

Thus, Kpdfsync must determine which note is associated to which highlight in a page. Reading just the My Clippings.txt file, sometimes this cannot be determined.

Automatic pairing

If page contains exactly one highlight and one note, association can be done with is no confusion. This is called Automatic Pairing.
This ✔ logo means there automatic pairing can be done.

(Screenshot beside shows automatic pairing – page 17 contains exactly one note and highlight)

If you see ☀ icon. This means there are more notes in the page than highlights, which is an impossibility in Kindle. Currently you can not do anything for such Pages.
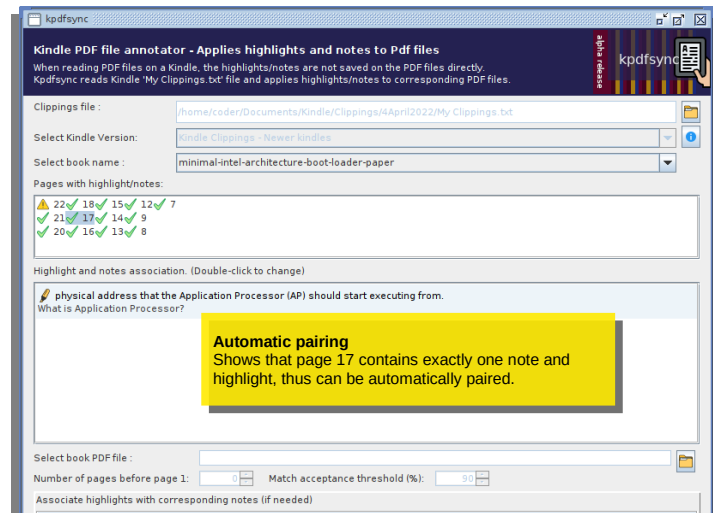
Manual pairing

However, if there are multiple highlights and notes in a page, then it cannot be said with certainty which highlight belongs to which note.
In this case the user need to pair manually looking at his/her Kindle.
This is called Manual Pairing.

Pages which require Manual Pairing, have the ⚠ logo.

You can continue without manual pairing, in which case, the text will still be highlighted in the PDF file, but the notes from Kindle will not be there.
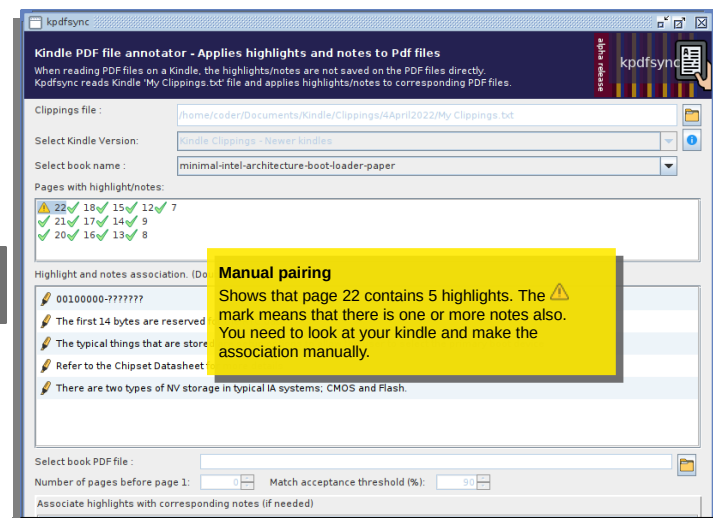
Steps to manually associate notes and highlights	
1	Open the book or document on your kindle.
2	Go to the page number with mark. Here it is page 22.
3	Check which highlight has a note in the page.

Steps to manually associate notes and highlights	
4	Back in kpdfsync. Double click on the highlight which has a note.
5	In the 'Note association dialog', select the note which is associated with the highlight. Click 'Create mapping' button
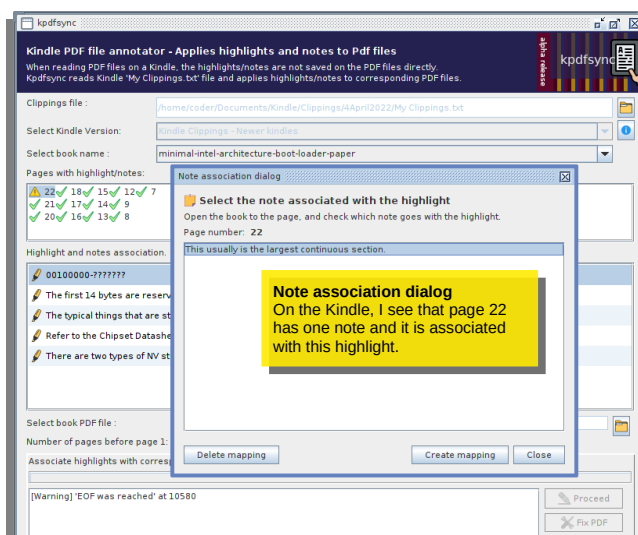
Manual pairing done. You can see the note is now showing up with the associated highlight.
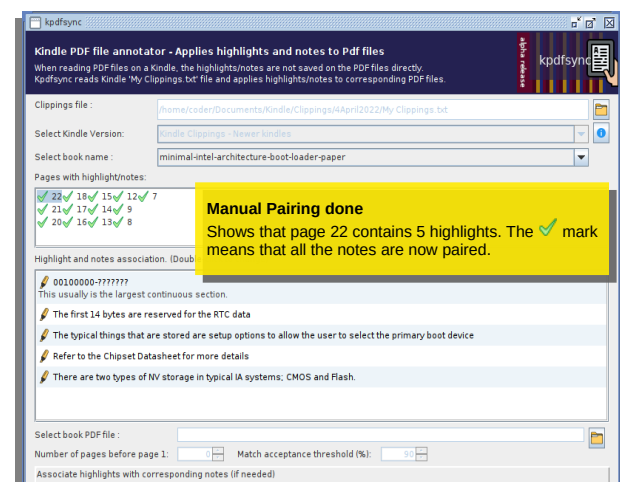
Step 4: Applying the highlights and notes to PDF file

At this point, it is assumed, that all the page number have the icon. However, you can, if you want, continue without pairing all of the highlights in every page. The notes which remain unpaired will not show up in the PDF file.

Select the PDF book or document file

Click on the 📂 button and select the PDF file corresponding to the selected book.

Number of pages before page number 1

A limitation of the current software, you need to provide that number of pages in the PDF file before page number 1. Confused!

Some documents, with 'Foreword', 'Contents', etc the page with page number 1 may not be the 1st page in the document.
Open the document in a PDF viewer, go to page number 1. From there you can see the number of pages before page number 1.

Enter this number here.
Zero here means that the page number 1 is indeed the 1st page.

See Appendix 2 for example.

Match threshold

When Kpdfsync, searches a page for the text highlighted in the Kindle, any match equal or more to this percentage is highlighted. Same threshold value applies to every page in the book.

- If wrong text is getting highlighted, increase this value.
- If text is not found, decrease this value.

Begin applying the highlights and notes

Click the **Proceed** button to start the highlighting process.

Save the output to a different PDF file. This keeps the original file safe if something goes wrong.

Do not select the input PDF file as the output file.

If there are unpaired notes, then this message will come. Click Yes to continue.
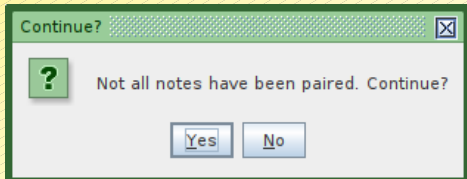
That is all. Now the output file that you have provided, will be applied the highlights and notes from Kindle.

If there is an error and highlight is failing, try clicking on **Fix PDF** button to fix the PDF file.

Any errors or warnings will show up in the list at the bottom. If you want to cancel the process, click **Cancel** button at the top.
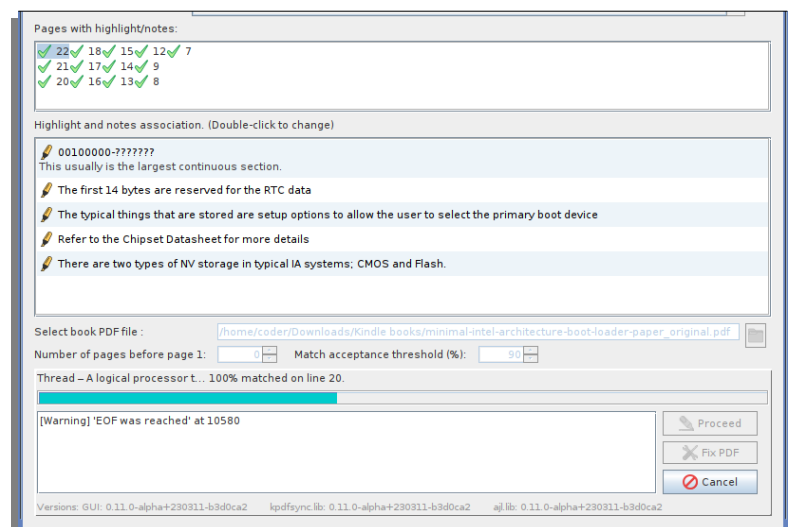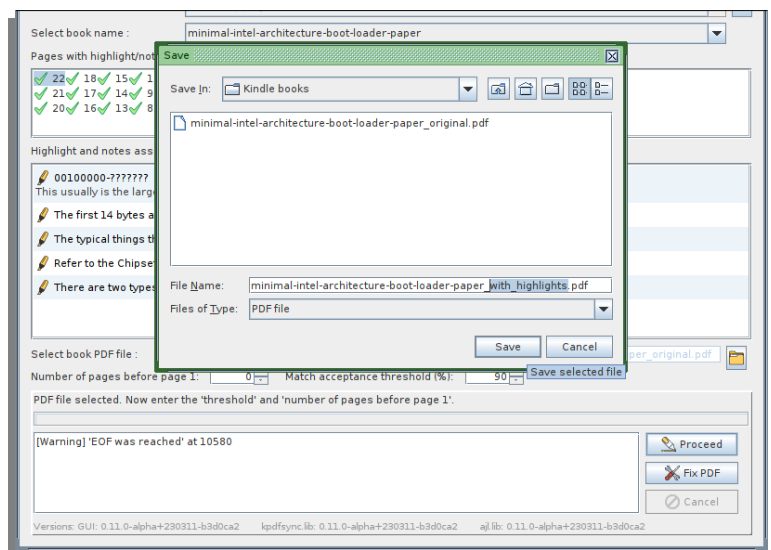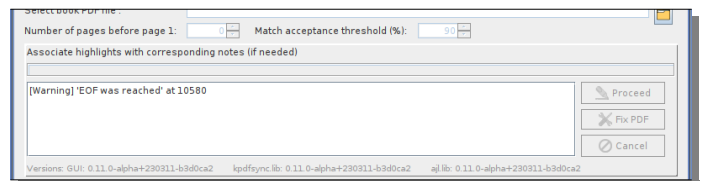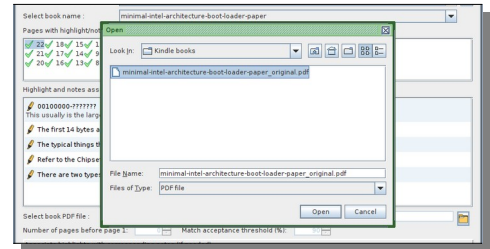
Appendix 1: Fixing PDF errors

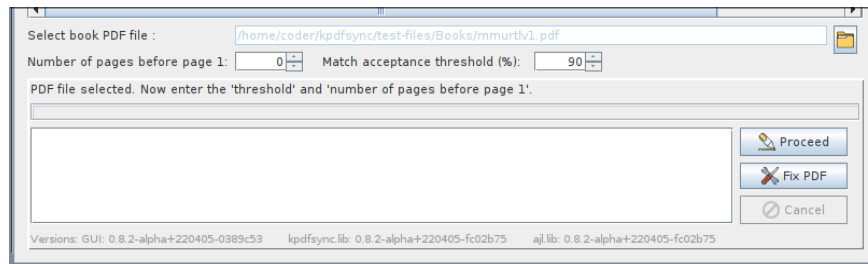Fixing the PDF file can correct some types of highlighting error.

Figure 1: Fix button is enabled after source PDF is selected.

After selecting the source PDF file, click on the **Fix button**.
Fixing can take some time, depending of the size of the PDF and your computer. Please wait and let the process complete.
You *cannot cancel this process*, as this can cause corruption. *For safety, we create a back of the original file.*

> Source PDF will be backup up in same path. For example, if source PDF is *C:\Users\Bojra\BookDraft1.pdf* then its backup will be *C:\Users\Bojra\BookDraft1_original(0).pdf*

After fixing has completed, try highlighting again, by pressing the **Process button**.

> Not all PDF files adhere to the Adobe PDF Standard or has issue with embedded fonts. Even tough such PDF files will open in an PDF viewer, kpdfsync has trouble dealing with such files and can throw errors.

Appendix 2: Number of Pages before page 1 in a PDF.

Some of the PDFs are structured like a book, which means the page number 1, is not the 1st page in the book. In such books, the first new pages are paged differently. It is easy to know how many pages are before the page marked page number of 1.

1	Open the source PDF file in Firefox, or any other PDF reader. Then you will either have scenario similar to Example 1 or Example 2. Follow steps 2 and 3 of the suitable example, based on the scenario.

Example 1: Page number 1 is the 1st page in the document.

These type of documents generally does not have the 'Contents' in the PDF files.

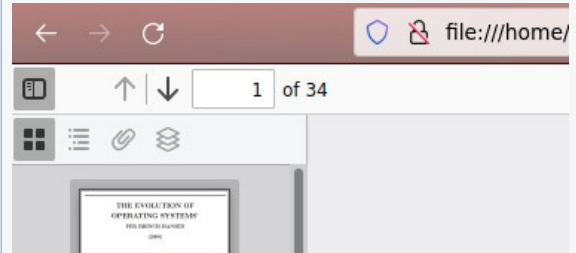|		
2	Page number 1 is the 1st page. So there are no pages before it. Set **'Number of Pages before Page 1'** field to **0 (zero).**	 *Figure 2: Firefox showing that page number 1 is the 1st page*

3	In the example page number 1 is actually the 1st page in the book. That means there are 0 pages before page number 1.

Example 2: Page number 1 is **NOT** the 1st page in the document.

These type of documents generally have the 'Contents' in the PDF files.

2	Go to page number 1 - Either manually, or entering 1, in the page number text box of the PDF viewer.	 *Figure 3: Firefox showing that page number 1 is the 7th page*
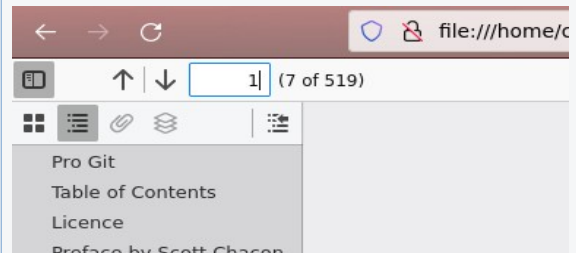
3	Then notice how many pages are before this one. In the example page number 1 is actually the 7th page in the book. That means there are 6 pages before page 1. Set 'Number of Pages before Page 1' field to 6.

Revision history	
Initial release for 0.8.0-alpha	31 March 2022
Update for 0.8.2-alpha	07 April 2022
Update for 0.11.0-alpha	12 March 2023