

TeXnicCenter with Sumatra PDF

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Contents

1 Short Introduction

This tutorial describes the use of Sumatra PDF viewer (v 1.2) in combination with TeXnicCenter (v 1.0).

After successful setup Sumatra PDF recognizes changes in the PDF file which results from repeated compilation in TeXnicCenter (TC) and updates its document view automatically. You do not have to close and restart the program by hand every time. By pressing the F5 button in TC Sumatra PDF shows the page and the section the cursor resides in. Sumatra comes to the front by doing this.

Please note: Currently forward search only works if the file name and its whole path do not contain spaces!

A double click in Sumatra PDF should place TCs cursor to the corresponding section. TC comes to the front by doing this.

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2 Software

Sumatra Download Sumatra PDF 1.2 at <http://blog.kowalczyk.info/software/sumatrapdf/index.html>

TeXnicCenter Download the latest release (v 1.0). The alpha releases are also working fine. (<http://www.texniccenter.org/>)

Distribution It is assumed that you have a $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ distribution already installed, e.g. MiKTeX 2.9 (<http://miktex.org/>).

TeX Live 2008 (<http://www.tug.org/texlive/>) also does the job. However, TeX Live 2008 is distributed with a buggy version of the SyncTeX parser, therefore you have to update the following files:

- pdftex.dll,
- pdftex.exe und
- kpathseaxxx.dll

They can be downloaded at <http://www.tug.org/svn/texlive/trunk/Master/bin/win32/>. xxx stands for a 3-digit number. If you have downloaded a wrong version, you will notice it. After this you want to update the format files by using the TeX Live manager.

If you have information about TeX Live 2010 please do not hesitate to tell me your findings.

3 Settings in Sumatra PDF

Since version 0.9.4 no changes are necessary. The command line is delivered by TC. If you made a mistake it could be necessary to delete the configuration file in the Sumatra PDF folder and the .synctex file corresponding to your source file.

4 Settings in TeXnicCenter

It is useful to define an extra output profile for Sumatra:

Build
└── Define output profiles

1. Click in the existing profile LaTeX=>PDF
2. Click Copy

3. Name the new profile, e.g. LaTeX=>PDF (Sumatra)

Check that the new profile is highlighted. There are three tabs: (La)TeX, Postprocessor and Viewer.

(La)TeX

Quickly check if the compiler path is correct (path names may vary)

```
"C:\Program Files\MiKTeX 2.7\miktex\bin\pdflatex.exe"
```

At Command line arguments to pass to the compiler insert the following
-synctex=-1 -interaction=nonstopmode "%Wm"

Postprocessor

No settings required.

Viewer

At Path of executable insert the following line (path names may vary):

```
"C:\Program Files\SumatraPDF\SumatraPDF.exe" -inverse-search
```

```
"\"C:\Program Files\TeXnicCenter\TEXCNTR.EXE\" /ddecmd \"goto('%f', '%l')\""
```

NOTE: There is a space after search, the command was just split into two lines to fit on the page. Furthermore, please do not forget to include the quotation marks if you have spaces in the pathname (e. g. "Program Files" on English systems).

At View project's output set the radiobutton to Command line argument

For Command: enter:

```
[Open("%bm.pdf",0,1,1)]
```

At Forward search set the radiobutton to DDE Command

At Command: insert

```
[ForwardSearch("%bm.pdf", "%Wc", %1,0,0,1)]
```

Server: SUMATRA

Topic: Control

At Close document before running (La)TeX set the radiobutton to Do not close.

If you like to read about the Sumatra PDF DDE commands:

<http://code.google.com/p/sumatrapdf/wiki/DDEcommands>

5 Important advice

- **Again:** Currently forward search only works if the file name and its whole path do not contain spaces!

- **Beware:** If you copy the command lines and paths from e.g. Adobe Reader an apostrophe (right) gets an accent (wrong). This breaks functionality. Therefore you have to replace the accents with apostrophes (the key above the “Enter”-key).
However, after some feedback from users it seems to depend on the configuration of the system the viewer runs on.
- User advice also showed that a re-start of TC may be necessary to activate the changes. So you have to find out yourself.
- Furthermore you should use `include` for embedding other \TeX files. If you use `input` you have to append the file ending (e.g. `myfile.tex`).
- If there is a undefined font during compilation no PDF is created with a warning that the Forward Search command could not be executed. Solution: Use another font or solve the problem.

Enjoy

6 Version history

11.08.2009: First version

23.09.2009: Included user advice from C. Wiethoff concerning re-start and copy&paste behaviour of existing PDF viewers. Included advice on spaces in path names.

01.10.2009: Got a hint from C. A. Vallejo Pinto how to change configuration so that Sumatra PDF comes to the front by pressing “F5”. Added link to Sumatra PDF DDE commands.

03.03.2010: PDF viewer behaviour, minor changes, changed advise concerning `include`, quotation marks in the pathname, MiKTeX 2.8, TeX Live 2009.

02.01.2010: New command for “View project’s output”. Some minor changes. Advice for unsuccessful compilation due to undefined font.

Thanks for feedback!