The **hypdoc** package

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Abstract

This package adds hyper features to the package doc that is used in the documentation system of LaTeX 2_ε. Bookmarks are added and references are linked as far as possible.

Contents

1 Features

The package adds the following features:

Bookmarks: For supporting bookmarks package `hyperref` is loaded. Some TeX code inside section titles can cause problems during bookmark processing; these can be warnings, ugly bookmark titles or even errors. With the help of `\pdfstringdefDisableCommands` or `\texorpdfstring` you can manage these things, see `hyperref`'s package documentation.

Additional bookmarks: Unnumbered bookmark entries are generated for:

- Table of contents
- List of figures
- List of tables
- Index
- Glossary

Option `numbered` controls, whether these section or chapters should be numbered. The exception is the table of contents if this it would be the first numbered section. Then just a bookmark is added.

Metadata: The loaded package `hyperref`, enforced by option `pdfusetitle`, tries to detect `\title` and `\author` and sets the corresponding PDF information fields. In case of problems see the previous item about bookmarks. These enries can be overwritten or new ones added by `\hypersetup` after the packages is loaded, see documentation of package `hyperref`.

References, links: Because of package `\hyperref \ref` become links, also `\url`, footnote referencing are supported.

Index: The main part of this package deals with index links in order to support the kind of index that package `doc` provides.

Thumbnails: Package `thumbpdf` is loaded for the case that the PDF file also should contain thumbnails, see the documentation of this package. But thumbnail embedding is not really necessary, because nowadays AcrobatReader is able to generate and view thumbnails on the fly.

2 Usage

The purpose of this packages is to add PDF features to the documentation of LaTeX packages. Thus just load the package in the driver file that generates the documentation:

```
\usepackage{hypdoc}
```

Package `doc` is loaded by `hypdoc`, thus you also can replace a `\usepackage{doc}` with this line. At any case, the package must be loaded before macros of package `doc` such as `\CodelineIndex` or `\PageIndex` are used.

If the class `ltxdoc` is used, you can also use the configuration file for this class to add package `hypdoc`. Add the following line to the file `ltxdoc.cfg` (or create a new one):

```
\AtEndOfClass{\RequirePackage{hypdoc}}
```

2.1 Options

There is one option `numbered`. It controls, whether the starred versions of section or chapter inside `\tableofcontents`, `\listoffigures`, ... should be replaced by the non-star versions.

2.2 Simple example

Example of a simple driver file `foobar.drv` of a package `foobar`. Often the driver file is packed in the file `foobar.dtx` and can be extracted by docstrip or if an instruction file for docstrip is provided by:

```
tex foobar.ins
```

Note that although docstrip doesn't rely on LaTeX, sometimes you need to run the `.ins` file through LaTeX. Oddly enough, often the only LaTeX feature in use is `\NeedsTeXFormat{LaTeX2e}` in the first line.

```
\documentclass{ltxdoc}
\usepackage{hypdoc}
\RecordChanges
\EnableCrossrefs
\CodelineIndex
\begin{document}
\title{Title for package \texttt{foobar}}
\author{Author of package \texttt{foobar}}
\date{...}
\maketitle
\tableofcontents
\DocInput{foobar.dtx}
\PrintChanges
\PrintIndex
\end{document}
```

Then compile it, for example with pdfLaTeX.

```
pdflatex foobar.drv
makeindex -s gind.ist foobar.idx
makeindex -s gglo.ist -o foobar.gls foobar.glo
pdflatex foobar.drv
```

You will need several cycles until the cross references and similar things are correct.

2.3 Example `source2e.tex`

The source code of the base of LaTeX is available as a bunch of `.dtx` files. LaTeX provides the file `source2e.tex` to merge them all together.

Now you can either load package `hypdoc` in a private copy of this file (please, respect the LPPL) or use the configuration file `ltxdoc.cfg`. Example that also sets A4 paper size:

```
\PassOptionsToClass{a4paper}{article}
\AtEndOfClass{\RequirePackage{hypdoc}}
```

Then `source2e.tex` can be compiled by pdfTeX, for example:

```
pdflatex source2e
makeindex -s gind.ist source2e.idx
makeindex -s gglo.ist -o source2e.glo source2e.gls
pdflatex source2e
makeindex -s gind.ist source2e.idx
makeindex -s gglo.ist -o source2e.glo source2e.gls
pdflatex source2e
```

3 Implementation

```
1 ⟨*package⟩
2 \NeedsTeXFormat{LaTeX2e}
3 \ProvidesPackage{hypdoc}%
4   [2010/03/26 v1.9 Hyper extensions for doc.sty (HO)]%
```

The package identification is done at the top of the `.dtx` file in order to use only one identification string.

For unique command names this package uses `HD@` as prefix

3.1 Options

`\ifHD@numbered`

```
5 \newif\ifHD@numbered
```

```
6 \DeclareOption{numbered}{\HD@numberedtrue}
7 \ProcessOptions*\relax
```

3.2 Package loading

```
8 \RequirePackage{atveryend}[2010/03/24]
9 \RequirePackage{doc}
```

```
10 \ifx\numexpr\@undefined
11   \RequirePackage{calc}%
12 \fi
```

```
13 \RequirePackage[%
14   hyperindex=false,%
15   pdfusetitle,%
16   colorlinks,%
17   pdfpagelabels,%
18 ]{hyperref}[2002/05/09]%
19 \hypersetup{%
20   plainpages=false,%
21   bookmarksopen,%
22   bookmarksnumbered,%
23   bookmarksopenlevel=0,%
24   pdfstartview={FitBH \hypercalcbp{%
25     \paperheight-\topmargin-1in-\headheight-\headsep
26   }},%
27 }
28 \RequirePackage{thumbpdf}
```

```
29 \newcounter{HD@unique}
```

\theHD@unique

```
30 \renewcommand{\theHD@unique}{%
31   \number\value{HD@unique}%
32 }
```

```
33 \g@addto@macro\Hy@UseMaketitleInfos{%
34   \@ifundefined{fileinfo}{}{%
35     \ifx\@pdfsubject\@empty
36       \hypersetup{pdfsubject={\fileinfo}}%
37     \fi
38   }%
39 }
40 \pdfstringdefDisableCommands{%
41   \let\thanks\@gobble
42   \let\footnote\@gobble
43   \def\cs#1{\textbackslash #1}%
44   \let\normalfont\@empty
45   \let\scshape\@empty
46   \def\and{and }%
47 }
```

3.2.1   Patch for bug latex/4096

```
48 \begingroup\expandafter\expandafter\expandafter\endgroup
49 \expandafter\ifx\csname mod@math@codes\endcsname\relax
50 \else
51   \def\HD@ModFix#1{%
52     \mathcode`#1=`#1\relax
53   }%
54   \g@addto@macro\mod@math@codes{%
55     \HD@ModFix\-%
56     \HD@ModFix\+%
57     \HD@ModFix\:%
58     \HD@ModFix\=%
59     \HD@ModFix\*%
60   }%
61 \fi
```

3.3   Bookmarks

\HD@sectionpatch

```
62 \def\HD@sectionpatch{%
63   \ifHD@numbered
64     \HD@@sectionpatch{section}%
65     \HD@@sectionpatch{chapter}%
66   \else
67     \let\Hy@writebookmark\HD@disable@writebookmark
68   \fi
69 }
```

\HD@@sectionpatch

```
70 \def\HD@@sectionpatch#1{%
71   \expandafter\let\csname HDorg@@#1\expandafter\endcsname
72     \csname #1\endcsname
73   \@namedef{#1}{%
74     \@ifstar{\@nameuse{HDorg@@#1}}{\@nameuse{HDorg@@#1}}%
75   }%
76 }
```

\HD@disable@writebookmark

```
77 \def\HD@disable@writebookmark#1#2#3#4#5{}
```

\HD@guesstoclevel A wild guessing of the toclevel. There is the hope, that the macro #1 starts with a sectioning command.

```
78 \def\HD@guesstoclevel#1{%
79   \expandafter\HD@@guesstoclevel#1\section\HD@end
80 }
```

\HD@@guesstoclevel

```
81 \def\HD@@guesstoclevel#1#2\HD@end{%
82   \@ifundefined{toclevel@\expandafter\@gobble\string#1\@empty}{%
83     1%
84   }{%
85     \@nameuse{toclevel@\expandafter\@gobble\string#1\@empty}%
86   }%
87 }
```

3.4 \tableofcontents

\HDorg@tableofcontents

```
88 \let\HDorg@tableofcontents\tableofcontents
```

\tableofcontents As first section the table of contents shouldn't go into the toc itself. Also a number looks too funny then. Just a bookmark is enough in this case.

```
89 \def\tableofcontents{%
90   \begingroup
91     \@ifundefined{c@section}{%
92       \def\c@section{0}%
93     }{}%
94   \expandafter\endgroup
95   \ifcase\c@section
96     \stepcounter{HD@unique}%
97     \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]%
98         {\contentsname}{toc\theHD@unique}%
99     \HDorg@tableofcontents
100   \else
101     \ifHD@numbered
102     \else
103       \stepcounter{HD@unique}%
104       \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]%
105           {\contentsname}{toc\theHD@unique}%
106     \fi
107     \begingroup
108       \HD@sectionpatch
109       \HDorg@tableofcontents
110     \endgroup
111   \fi
112 }
```

3.5 \listoffigures

\HDorg@listoffigures

```
113 \let\HDorg@listoffigures\listoffigures
```

\listoffigures

```
114 \def\listoffigures{%
115   \ifHD@numbered
116   \else
117     \stepcounter{HD@unique}%
118     \pdfbookmark[\HD@guesstoclevel{\HDorg@listoffigures}]%
119         {\contentsname}{toc\theHD@unique}%
120   \fi
```

```
121  \begingroup
122    \HD@sectionpatch
123    \HDorg@listoffigures
124  \endgroup
125 }
```

3.6 \listoftables

```
126 \let\HDorg@listoftables\listoftables
```

```
127 \def\listoftables{%
128   \ifHD@numbered
129   \else
130     \stepcounter{HD@unique}%
131     \pdfbookmark[\HD@guesstoclevel{\HDorg@listoftables}]%
132       {\contentsname}{toc\theHD@unique}%
133   \fi
134   \begingroup
135     \HD@sectionpatch
136     \HDorg@listoftables
137   \endgroup
138 }
```

3.7 \thebibliography

```
139 \let\HDorg@thebibliography\thebibliography
```

```
140 \def\thebibliography{%
141   \ifHD@numbered
142   \else
143     \stepcounter{HD@unique}%
144     \pdfbookmark[\HD@guesstoclevel{\HDorg@thebibliography}]%
145       {\@ifundefined{chapter}{\refname}{\bibname}}{bib\theHD@unique}%
146   \fi
147   \HD@sectionpatch
148   \HDorg@thebibliography
149 }
```

3.8 \theindex

```
150 \let\HDorg@theindex\theindex
```

```
151 \def\theindex{%
152   \let\HDorg@index@prologue\index@prologue
153   \let\HDorg@writebookmark\Hy@writebookmark
154   \HD@sectionpatch
155   \g@addto@macro\IndexParms{%
156     \ifHD@numbered
157     \else
158       \let\Hy@writebookmark\HDorg@writebookmark
159     \fi
160     \let\bfseries\HD@bfseries
161   }%
162   \edef\HD@toclevel@index{\HD@guesstoclevel{\index@prologue}}%
```

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```
163    \begingroup
164      \count@=\HD@toclevel@index\relax
165      \advance\count@ by 1 %
166      \xdef\HD@toclevel@subindex{\the\count@}%
167    \endgroup
168    \def\index@prologue{%
169      \ifHD@numbered
170      \else
171        \begingroup
172          \stepcounter{HD@unique}%
173          \let\Hy@writebookmark\HDorg@writebookmark
174          \pdfbookmark[\HD@toclevel@index]%
175              {\indexname}{index\theHD@unique}%
176        \endgroup
177      \fi
178      \HDorg@index@prologue
179    }%
180    \HDorg@theindex
181 }
```

\HDorg@bfseries

```
182 \let\HDorg@bfseries\bfseries
```

\HD@bfseries

```
183 \def\HD@bfseries{\futurelet\HD@hfil\HD@@bfseries}%
```

\HD@@bfseries

```
184 \def\HD@@bfseries{%
185   \HDorg@bfseries
186   \ifx\HD@hfil\hfil
187     \expandafter\HD@@@bfseries
188   \fi
189 }
```

\HD@@@bfseries

```
190 \def\HD@@@bfseries\hfil#1\hfil{%
191   \ifx\\#1\\%
192   \else
193     \raisebox{\baselineskip}[0pt]{%
194       \kern-\HD@margin\relax
195       \pdfbookmark[\HD@toclevel@subindex]{#1}{HD.#1}%
196       \kern\HD@margin\relax
197     }%
198   \fi
199   \hfil#1\hfil
200 }%
```

\HD@margin

```
201 \def\HD@margin{1mm}
```

3.9   \theglossary

\HDorg@theglossary

```
202 \let\HDorg@theglossary\theglossary
```

\theglossary

```
203 \def\theglossary{%
204   \let\HDorg@glossary@prologue\glossary@prologue
205   \let\HDorg@writebookmark\Hy@writebookmark
206   \HD@sectionpatch
```

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```
207  \def\glossary@prologue{%
208    \ifHD@numbered
209    \else
210      \begingroup
211        \let\Hy@writebookmark\HDorg@writebookmark
212        \stepcounter{HD@unique}%
213        \pdfbookmark[\HD@guesstoclevel{\HDorg@glossary@prologue}]%
214            {\glossaryname}{glossary\theHD@unique}%
215      \endgroup
216    \fi
217    \HDorg@glossary@prologue
218  }%
219  \HDorg@theglossary
220 }
```

\glossaryname

```
221 \providecommand*{\glossaryname}{Change History}
```

3.10   Index

```
222 \newcounter{HD@hypercount}
```

\HD@helplength

```
223 \newlength{\HD@helplength}
```

\ifHD@savedest

```
224 \newif\ifHD@savedest
225 \HD@savedesttrue
```

```
226 \AtBeginDocument{%
227   \HD@savedest@init
228 }
```

```
229 \RequirePackage{rerunfilecheck}[2009/12/10]
```

\HD@savedest@init

```
230 \begingroup
231   \catcode`\^^M=\active
232 \@firstofone{\endgroup
233   \def\HD@savedest@init{%
234     \ifHD@savedest
235       \let\HDorg@tilde~%
236       \let~\HD@savedest@entry
237       \edef\HDorg@catcodeM{\the\catcode`\^^M}%
238       \catcode`\^^M=\active
239       \def^^M{}%
240       \InputIfFileExists{\jobname.hd}{}{}%
241       \let~\HDorg@tilde
242       \catcode`\^^M=\HDorg@catcodeM\relax
243       \newwrite\HD@savedest@out
244       \RerunFileCheck{\jobname.hd}{%
245         \immediate\closeout\HD@savedest@out
246       }{}%
247       \immediate\openout\HD@savedest@out=\jobname.hd\relax
248     \else
249       \let\HD@savedest@add\@gobble
250     \fi
251   }%
```

\HD@savedest@entry

```
252   \def\HD@savedest@entry#1^^M{%
253     \@namedef{HD.#1}{}%
254   }%
255 }
```

9

\HD@savedest@add

```
256 \def\HD@savedest@add#1{%
257   \immediate\write\HD@savedest@out{\string~#1}%
258 }
```

\ifHD@targetraise

```
259 \newif\ifHD@targetraise
260 \HD@targetraisetrue
```

\HD@target

```
261 \def\HD@target{%
262   \ifHD@targetraise
263     \ifhmode
264       \settoheight{\HD@helplength}{[H]}%
265       \addtolength{\HD@helplength}{0.4ex}%
266       \raisebox{\HD@helplength}{%
267         \HD@maketarget
268       }%
269     \else
270       \HD@maketarget
271     \fi
272   \else
273     \HD@maketarget
274   \fi
275 }
```

\HD@maketarget

```
276 \def\HD@maketarget{%
277   \stepcounter{HD@hypercount}%
278   \def\HD@next{%
279     \llap{\hypertarget{HD.\the\c@HD@hypercount}{}\,}%
280   }%
281   \ifHD@savedest
282     \expandafter\ifx\csname HD.\the\c@HD@hypercount\endcsname\@empty
283     \else
284       \let\HD@next\relax
285     \fi
286   \fi
287   \HD@next
288 }
```

\CodelineIndex

```
289 \g@addto@macro\CodelineIndex{%
290   \let\special@index\HD@codeline@wrindex
291 }
```

\PageIndex

```
292 \g@addto@macro\PageIndex{%
293   \let\special@index\HD@page@wrindex
294 }
```

\HD@codeline@wrindex

```
295 \def\HD@codeline@wrindex#1{%
296   \begingroup
297     \let\HDorg@encapchar\encapchar
298     \def\encapchar##1\encapchar##2\@nil{%
299       \HDorg@encapchar
300       hdclindex{\the\c@HD@hypercount}{##1}%
301     }%
302     \codeline@wrindex{%
303       #1\encapchar\encapchar\@nil
```

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```
304      }%
305    \endgroup
306 }
```

\HD@page@wrindex

```
307 \def\HD@page@wrindex#1{%
308    \begingroup
309      \let\HDorg@encapchar\encapchar
310      \def\encapchar##1\encapchar##2\@nil{%
311        \HDorg@encapchar
312        hdpindex{##1}%
313      }%
314      \HDorg@index{#1\encapchar\encapchar\@nil}%
315    \endgroup
316 }
```

\hdclindex

```
317 \def\hdclindex#1#2#3{%
318    \csname\ifx\\#2\\relax\else#2\fi\endcsname{%
319      \hyperlink{HD.#1}{#3}%
320      \HD@savedest@add{#1}%
321    }%
322 }
```

\hdpindex

```
323 \def\hdpindex#1#2{%
324    \csname\ifx\\#1\\relax\else#1\fi\endcsname{%
325      \hyperpage{#2}%
326    }%
327 }
```

3.11   \PrintDescribeMacro

\HDorg@PrintDescribeMacro

```
328 \let\HDorg@PrintDescribeMacro\PrintDescribeMacro
```

\PrintDescribeMacro

```
329 \renewcommand\PrintDescribeMacro[1]{%
330    \begingroup
331      \let\HDorg@MacroFont\MacroFont
332      \def\MacroFont{%
333        \HD@target
334        \HDorg@MacroFont
335      }%
336      \HDorg@PrintDescribeMacro{#1}%
337    \endgroup
338 }
```

3.12   \PrintMacroName

\HDorg@PrintMacroName

```
339 \let\HDorg@PrintMacroName\PrintMacroName
```

\PrintMacroName

```
340 \renewcommand\PrintMacroName[1]{%
341    \begingroup
342      \let\HDorg@MacroFont\MacroFont
343      \def\MacroFont{%
344        \HD@target
345        \HDorg@MacroFont
```

```
346    }%
347    \HDorg@PrintMacroName{#1}%
348  \endgroup
349 }
```

3.13 \theCodelineNo

```
350 \let\HDorg@theCodelineNo\theCodelineNo
```

```
351 \renewcommand*\theCodelineNo{%
352   \settowidth{\HD@helplength}{\HDorg@theCodelineNo\ }%
353   \ifdim\HD@helplength<\MacroIndent
354     \addtolength{\HD@helplength}{-\MacroIndent}%
355     \llap{%
356       \begingroup\HD@target\endgroup
357       \hspace*{-\HD@helplength}%
358     }%
359   \else
360     \HD@target
361   \fi
362   \HDorg@theCodelineNo
363 }
```

```
364 \AtBeginDocument{%
365   \let\HDorg@index\index
366 }
```

3.14 \SpecialUsageIndex

```
367 \let\HDorg@SpecialUsageIndex\SpecialUsageIndex
368 \renewcommand*\SpecialUsageIndex[1]{%
369   \@bsphack
370   \begingroup
371     \HD@target
372     \let\index\HDorg@index
373     \let\HDorg@encapchar\encapchar
374     \edef\encapchar usage{%
375       \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
376     }%
377     \HDorg@SpecialUsageIndex{#1}%
378   \endgroup
379   \@esphack
380 }
```

3.15 \autoindex

```
381 \begingroup\expandafter\expandafter\expandafter\endgroup
382 \expandafter\ifx\csname autoindex\endcsname\relax
383 \else
```

```
384   \let\HDorg@autoindex\autoindex
```

```
385   \renewcommand*\autoindex[1]{%
386     \@bsphack
387     \begingroup
```

12

```
388      \HD@target
389      \let\index\HDorg@index
390      \let\HDorg@encapchar\encapchar
391      \edef\encapchar usage{%
392          \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
393      }%
394      \HDorg@autoindex{#1}%
395    \endgroup
396    \@esphack
397  }%
398 \fi
```

3.16   \SpecialEnvIndex

```
399 \let\HDorg@SpecialEnvIndex\SpecialEnvIndex
```

```
400 \renewcommand*\SpecialEnvIndex[1]{%
401   \@bsphack
402   \begingroup
403     \HD@target
404     \let\HDorg@encapchar\encapchar
405     \edef\encapchar usage{%
406         \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
407     }%
408     \HDorg@SpecialEnvIndex{#1}%
409   \endgroup
410   \@esphack
411 }
```

3.17   \SortIndex

```
412 \let\HDorg@SortIndex\SortIndex
```

```
413 \renewcommand*{\SortIndex}[2]{%
414   \@bsphack
415   \begingroup
416     \let\index\HD@page@wrindex
417     \HDorg@SortIndex{#1}{#2}%
418   \endgroup
419   \@esphack
420 }
```

3.18   \@wrglossary

```
421 \let\HDorg@wrglossary\@wrglossary
```

```
422 \def\@wrglossary#1{%
423   \let\HDorg@encapchar\encapchar
424   \def\encapchar##1\encapchar##2\@nil{%
425     \HDorg@encapchar
426     hdpindex{##1}%
427   }%
428   \HDorg@wrglossary{#1\encapchar\encapchar\@nil}%
429 }
```

13

3.19 \MacroIndent

\MacroIndent automatically calculated.

```
430 \AfterLastShipout{%
431   \if@filesw
432     \immediate\write\@auxout{%
433       \string\providecommand\string\HD@SetMacroIndent[1]{}%
434     }%
435     \immediate\write\@auxout{%
436       \string\HD@SetMacroIndent{\number\value{CodelineNo}}%
437     }%
438   \fi
439 }
```

\HD@SetMacroIndent

```
440 \def\HD@SetMacroIndent#1{%
441   \begingroup
442     \value{CodelineNo}=#1\relax
443     \settowidth{\MacroIndent}{\HDorg@theCodelineNo\ }%
444     \global\MacroIndent\MacroIndent
445   \endgroup
446 }
```

```
447 ⟨/package⟩
```

4 Installation

4.1 Download

Package. This package is available on CTAN[1]:

CTAN:macros/latex/contrib/oberdiek/hypdoc.dtx The source file.

CTAN:macros/latex/contrib/oberdiek/hypdoc.pdf Documentation.

Bundle. All the packages of the bundle 'oberdiek' are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

CTAN:install/macros/latex/contrib/oberdiek.tds.zip

TDS refers to the standard "A Directory Structure for TeX Files" (CTAN:tds/tds.pdf). Directories with `texmf` in their name are usually organized this way.

4.2 Bundle installation

Unpacking. Unpack the `oberdiek.tds.zip` in the TDS tree (also known as `texmf` tree) of your choice. Example (linux):

```
unzip oberdiek.tds.zip -d ~/texmf
```

Script installation. Check the directory `TDS:scripts/oberdiek/` for scripts that need further installation steps. Package **attachfile2** comes with the Perl script `pdfatfi.pl` that should be installed in such a way that it can be called as `pdfatfi`. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

---

[1] ftp://ftp.ctan.org/tex-archive/

4.3   Package installation

Unpacking.   The `.dtx` file is a self-extracting docstrip archive. The files are extracted by running the `.dtx` through plain TeX:

```
tex hypdoc.dtx
```

TDS.   Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
hypdoc.sty → tex/latex/oberdiek/hypdoc.sty
hypdoc.pdf → doc/latex/oberdiek/hypdoc.pdf
hypdoc.dtx → source/latex/oberdiek/hypdoc.dtx
```

If you have a `docstrip.cfg` that configures and enables docstrip's TDS installing feature, then some files can already be in the right place, see the documentation of docstrip.

4.4   Refresh file name databases

If your TeX distribution (teTeX, mikTeX, ...) relies on file name databases, you must refresh these. For example, teTeX users run `texhash` or `mktexlsr`.

4.5   Some details for the interested

Attached source.   The PDF documentation on CTAN also includes the `.dtx` source file. It can be extracted by AcrobatReader 6 or higher. Another option is pdftk, e.g. unpack the file into the current directory:

```
pdftk hypdoc.pdf unpack_files output .
```

Unpacking with LaTeX.   The `.dtx` chooses its action depending on the format:

plain TeX: Run docstrip and extract the files.

LaTeX: Generate the documentation.

If you insist on using LaTeX for docstrip (really, docstrip does not need LaTeX), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{hypdoc.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation.   You can use both the `.dtx` or the `.drv` to generate the documentation. The process can be configured by the configuration file `ltxdoc.cfg`. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with pdfLaTeX:

```
pdflatex hypdoc.dtx
makeindex -s gind.ist hypdoc.idx
pdflatex hypdoc.dtx
makeindex -s gind.ist hypdoc.idx
pdflatex hypdoc.dtx
```

5   History

[2002/05/10 v1.0]

- First standalone version.

[2006/02/20 v1.1]

- Option numbered added.

- \HD@savedest@init fixed (empty .hd file triggered first page with fl ligature).

- Bookmarks for \listoffigures and \listoftables.

- Documentation: features and usage added.

- LPPL 1.3.

[2006/04/27 v1.2]

- \HD@target fixed (multicol.dtx).

[2006/06/01 v1.3]

- Support for package amsdtx's \autoindex added.

[2006/06/02 v1.4]

- Bookmark fixed if there are several table of contents, bibliographies, glossaries, . . .

[2007/04/11 v1.5]

- Line ends sanitized.

[2007/11/12 v1.6]

- Bug fix in \listoffigures (Axel Sommerfeldt).

- Markup added in implementation section.

[2009/12/10 v1.7]

- Use of package rerunfilecheck.

[2010/02/03 v1.8]

- Fix for bug latex/4096 added.

[2010/03/26 v1.9]

- Definition of \HD@SetMacroIndex is provided in the .aux file.

6 Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; plain numbers refer to the code lines where the entry is used.

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