

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 L^AT_EX 2_ε. Bookmarks are added and references are linked as far as possible.

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*Please report any issues at <https://github.com/ho-tex/oberdiek/issues>

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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 `pdf \LaTeX` .

```
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 L^AT_EX is available as a bunch of .dtx files. L^AT_EX 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 pdfT_EX, 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 [2016/10/02 v1.13 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-\lin-\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\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 toplevel. 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       {\listfigurename}{toc\theHD@unique}%
120   \fi
121   \begingroup
```

```

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

```

3.6 \listoftables

\HDorg@listoftables

```

126 \let\HDorg@listoftables\listoftables

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

```

3.7 \thebibliography

\HDorg@thebibliography

```

139 \let\HDorg@thebibliography\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

\HDorg@theindex

```

150 \let\HDorg@theindex\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}}%
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
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 {\changehistoryname}{glossary\theHD@unique}%
215 \endgroup
216 \fi
217 \HDorg@glossary@prologue
218 }%
219 \HDorg@theglossary
220 }

```

\glossaryname

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

\glossaryname

```
222 \providecommand*{\changehistoryname}{\glossaryname}
```

3.10 Index

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

\HD@helplength

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

\ifHD@savedest

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

```

```
227 \AtBeginDocument{%
228 \HD@savedest@init
229 }

```

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

\HD@savedest@init

```

231 \begingroup
232 \catcode`\^^M=\active
233 \@firstofone{\endgroup
234 \def\HD@savedest@init{%
235 \ifHD@savedest
236 \let\HDorg@tilde~%
237 \let~\HD@savedest@entry
238 \edef\HDorg@catcodeM{\the\catcode`\^^M}%
239 \catcode`\^^M=\active
240 \def^^M{%
241 \InputIfFileExists{\jobname.hd}{~}{~}%
242 \let~\HDorg@tilde
243 \catcode`\^^M=\HDorg@catcodeM\relax
244 \newwrite\HD@savedest@out
245 \RerunFileCheck{\jobname.hd}{~}%
246 \immediate\closeout\HD@savedest@out
247 }~}%
248 \immediate\openout\HD@savedest@out=\jobname.hd\relax
249 \else
250 \let\HD@savedest@add\@gobble
251 \fi
252 }%

```

\HD@savedest@entry

```

253 \def\HD@savedest@entry#1^^M{%
254 \@namedef{HD.#1}{~}%
255 }%
256 }

```

```

\HD@savedest@add
257 \def\HD@savedest@add#1{%
258   \immediate\write\HD@savedest@out{\string~#1}%
259 }

\ifHD@targetraise
260 \newif\ifHD@targetraise
261 \HD@targetraisetrue

\HD@target
262 \def\HD@target{%
263   \ifHD@targetraise
264     \ifhmode
265       \settoheight{\HD@helplength}{[H]}%
266       \addtolength{\HD@helplength}{0.4ex}%
267       \raisebox{\HD@helplength}[0pt][0pt]{%
268         \HD@maketarget
269       }%
270     \else
271       \HD@maketarget
272     \fi
273   \else
274     \HD@maketarget
275   \fi
276 }

\HD@maketarget
277 \def\HD@maketarget{%
278   \stepcounter{HD@hypercount}%
279   \def\HD@next{%
280     \llap{\hypertarget{HD.\the\c@HD@hypercount}{\the\c@HD@hypercount}}%
281   }%
282   \ifHD@savedest
283     \expandafter\ifx\csname HD.\the\c@HD@hypercount\endcsname\@empty
284   \else
285     \let\HD@next\relax
286   \fi
287 \fi
288 \HD@next
289 }

\CodelineIndex
290 \g@addto@macro\CodelineIndex{%
291   \let\special@index\HD@codeline@wrindex
292 }

\PageIndex
293 \g@addto@macro\PageIndex{%
294   \let\special@index\HD@page@wrindex
295 }

\HD@codeline@wrindex
296 \def\HD@codeline@wrindex#1{%
297   \begingroup
298   \let\HDorg@encapchar\encapchar
299   \def\encapchar##1\encapchar##2\@nil{%
300     \HDorg@encapchar
301     hdclindex{\the\c@HD@hypercount}{##1}%
302   }%
303   \codeline@wrindex{%
304     #1\encapchar\encapchar\@nil
305   }%

```

```

306 \endgroup
307 }

\HD@page@wrindex
308 \def\HD@page@wrindex#1{%
309 \begingroup
310 \let\HDorg@encapchar\encapchar
311 \def\encapchar##1\encapchar##2\@nil{%
312 \HDorg@encapchar
313 hdpindex{##1}%
314 }%
315 \HDorg@index{#1\encapchar\encapchar\@nil}%
316 \endgroup
317 }

\hdclindex
318 \def\hdclindex#1#2#3{%
319 \csname\ifx\#2\relax\else#2\fi\endcsname{%
320 \hyperlink{HD.#1}{#3}%
321 \HD@savedest@add{#1}%
322 }%
323 }

\hdpindex
324 \def\hdpindex#1#2{%
325 \csname\ifx\#1\relax\else#1\fi\endcsname{%
326 \hyperpage{#2}%
327 }%
328 }

```

3.11 \PrintDescribeMacro

```

\HDorg@PrintDescribeMacro
329 \let\HDorg@PrintDescribeMacro\PrintDescribeMacro

\PrintDescribeMacro
330 \renewcommand\PrintDescribeMacro[1]{%
331 \begingroup
332 \let\HDorg@MacroFont\MacroFont
333 \def\MacroFont{%
334 \HD@target
335 \HDorg@MacroFont
336 }%
337 \HDorg@PrintDescribeMacro{#1}%
338 \endgroup
339 }

```

3.12 \PrintMacroName

```

\HDorg@PrintMacroName
340 \let\HDorg@PrintMacroName\PrintMacroName

\PrintMacroName
341 \renewcommand\PrintMacroName[1]{%
342 \begingroup
343 \let\HDorg@MacroFont\MacroFont
344 \def\MacroFont{%
345 \HD@target
346 \HDorg@MacroFont
347 }%
348 \HDorg@PrintMacroName{#1}%
349 \endgroup
350 }

```

3.13 \theCodelineNo

\HDorg@theCodelineNo

```
351 \let\HDorg@theCodelineNo\theCodelineNo
```

\theCodelineNo

```
352 \renewcommand*\theCodelineNo{%
353   \settowidth{\HD@helplength}{\HDorg@theCodelineNo\ }%
354   \ifdim\HD@helplength<\MacroIndent
355     \addtolength{\HD@helplength}{-\MacroIndent}%
356     \llap{%
357       \begingroup\HD@target\endgroup
358       \hspace*{-\HD@helplength}%
359     }%
360   \else
361     \HD@target
362   \fi
363   \HDorg@theCodelineNo
364 }
```

\HDorg@index

```
365 \AtBeginDocument{%
366   \let\HDorg@index\index
367 }
```

3.14 \SpecialUsageIndex

\HDorg@SpecialUsageIndex

```
368 \let\HDorg@SpecialUsageIndex\SpecialUsageIndex
369 \renewcommand*\SpecialUsageIndex[1]{%
370   \@bsphack
371   \begingroup
372     \HD@target
373     \let\index\HDorg@index
374     \let\HDorg@encapchar\encapchar
375     \edef\encapchar usage{%
376       \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
377     }%
378     \HDorg@SpecialUsageIndex{#1}%
379   \endgroup
380   \@esphack
381 }
```

3.15 \autoindex

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

\HDorg@autoindex

```
385   \let\HDorg@autoindex\autoindex
```

\autoindex

```
386   \renewcommand*\autoindex[1]{%
387     \@bsphack
388     \begingroup
389       \HD@target
390       \let\index\HDorg@index
391       \let\HDorg@encapchar\encapchar
392       \edef\encapchar usage{%
393         \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
394       }%
```

```

395     \HDorg@autoindex{#1}%
396   \endgroup
397   \@esphack
398 }%
399 \fi

```

3.16 \SpecialEnvIndex

\HDorg@SpecialEnvIndex

```
400 \let\HDorg@SpecialEnvIndex\SpecialEnvIndex
```

\SpecialEnvIndex

```

401 \renewcommand*\SpecialEnvIndex[1]{%
402   \@bsphack
403   \begingroup
404     \HD@target
405     \let\HDorg@encapchar\encapchar
406     \edef\encapchar usage{%
407       \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
408     }%
409     \HDorg@SpecialEnvIndex{#1}%
410   \endgroup
411   \@esphack
412 }

```

3.17 \SortIndex

\HDorg@SortIndex

```
413 \let\HDorg@SortIndex\SortIndex
```

\SortIndex

```

414 \renewcommand*\SortIndex[2]{%
415   \@bsphack
416   \begingroup
417     \let\index\HD@page@wrindex
418     \HDorg@SortIndex{#1}{#2}%
419   \endgroup
420   \@esphack
421 }

```

3.18 \@wrglossary

\HDorg@wrglossary

```
422 \let\HDorg@wrglossary\@wrglossary
```

\@wrglossary

```

423 \def\@wrglossary#1{%
424   \let\HDorg@encapchar\encapchar
425   \def\encapchar##1\encapchar##2\@nil{%
426     \HDorg@encapchar
427     hdpindex{##1}%
428   }%
429   \HDorg@wrglossary{#1\encapchar\encapchar\@nil}%
430 }

```

3.19 \MacroIndent

\MacroIndent automatically calculated.

```

431 \AfterLastShipout{%
432   \if@files

```

```

433 \immediate\write\@auxout{%
434   \string\providecommand\string\HD@SetMacroIndent[1]{}%
435 }%
436 \immediate\write\@auxout{%
437   \string\HD@SetMacroIndent{\number\value{CodelineNo}}}%
438 }%
439 \fi
440 }

```

\HD@SetMacroIndent

```

441 \def\HD@SetMacroIndent#1{%
442   \begingroup
443   \value{CodelineNo}=#1\relax
444   \settowidth{\MacroIndent}{\HD@Org@theCodelineNo\ }%
445   \global\MacroIndent\MacroIndent
446   \endgroup
447 }

448 \endpackage

```

4 Installation

4.1 Download

Package. This package is available on CTAN¹:

[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 T_EX 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/
```

4.3 Package installation

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

```
tex hypdoc.dtx
```

¹<http://ctan.org/pkg/hypdoc>

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 $\text{T}_{\text{E}}\text{X}$ distribution (`teTEX`, `mikTEX`, ...) relies on file name databases, you must refresh these. For example, `teTEX` users run `texhash` or `mktextlsr`.

4.5 Some details for the interested

Unpacking with $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$. The `.dtx` chooses its action depending on the format:

plain $\text{T}_{\text{E}}\text{X}$: Run `docstrip` and extract the files.

$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$: Generate the documentation.

If you insist on using $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ for `docstrip` (really, `docstrip` does not need $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$), 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 Catalogue

The following XML file can be used as source for the [T_EX Catalogue](#). The elements `caption` and `description` are imported from the original XML file from the Catalogue. The name of the XML file in the Catalogue is `hypdoc.xml`.

```
449 (*catalogue)
450 <?xml version='1.0' encoding='us-ascii'?>
451 <!DOCTYPE entry SYSTEM 'catalogue.dtd'>
452 <entry datestamp='$Date$' modifier='$Author$' id='hypdoc'>
453   <name>hypdoc</name>
454   <caption>Hyper extensions for doc.sty.</caption>
455   <authorref id='auth:oberdiek' />
456   <copyright owner='Heiko Oberdiek' year='2002,2006,2007,2009-2011' />
457   <license type='lppl1.3' />
458   <version number='1.13' />
459   <description>
```

```

460 This package adds hypertext features to the package
461 <xref refid='doc'>doc</xref> that is used in the documentation
462 system of <xref refid='latex'>LaTeX2e</xref>. Bookmarks are added
463 and references are linked as far as possible.
464 <p/>
465 The package is part of the <xref refid='oberdiek'>oberdiek</xref>
466 bundle.
467 </description>
468 <documentation details='Package documentation'
469     href='ctan:/macros/latex/contrib/oberdiek/hypdoc.pdf'/>
470 <ctan file='true' path='/macros/latex/contrib/oberdiek/hypdoc.dtx'/>
471 <miktex location='oberdiek'/>
472 <texlive location='oberdiek'/>
473 <install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip'/>
474 </entry>
475 </catalogue>

```

6 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.

[2011/05/05 v1.10]

- `\raisebox` in `\HD@target` with height and depth of `0pt` (request of GL).

[2011/08/19 v1.11]

- Latest comma in option list for `hyperref` removed to avoid option clash because of L^AT_EX 2011/06/27 with the new `\in@`.

[2016/05/16 v1.12]

- Documentation updates.

[2016/10/02 v1.13]

- Fixes to `bookmarknames`, also introduce `\changehistoryname`

7 Index

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