

The hypdoc package

Heiko Oberdiek
<oberdiek@uni-freiburg.de>

2009/12/10 v1.7

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.

Contents

1	Features	2
2	Usage	2
2.1	Options	3
2.2	Simple example	3
2.3	Example <code>source2e.tex</code>	3
3	Implementation	4
3.1	Options	4
3.2	Package loading	4
3.3	Bookmarks	5
3.4	<code>\tableofcontents</code>	5
3.5	<code>\listoffigures</code>	6
3.6	<code>\listoftables</code>	6
3.7	<code>\thebibliography</code>	7
3.8	<code>\theindex</code>	7
3.9	<code>\theglossary</code>	8
3.10	Index	8
3.11	<code>\PrintDescribeMacro</code>	11
3.12	<code>\PrintMacroName</code>	11
3.13	<code>\theCodelineNo</code>	11
3.14	<code>\SpecialUsageIndex</code>	12
3.15	<code>\autoindex</code>	12
3.16	<code>\SpecialEnvIndex</code>	12
3.17	<code>\SortIndex</code>	13
3.18	<code>\@wrglossary</code>	13
3.19	<code>\MacroIndent</code>	13
4	Installation	14
4.1	Download	14
4.2	Bundle installation	14
4.3	Package installation	14
4.4	Refresh file name databases	14
4.5	Some details for the interested	15

5 History	15
[2002/05/10 v1.0]	15
[2006/02/20 v1.1]	15
[2006/04/27 v1.2]	15
[2006/06/01 v1.3]	15
[2006/06/02 v1.4]	16
[2007/04/11 v1.5]	16
[2007/11/12 v1.6]	16
[2009/12/10 v1.7]	16
6 Index	16

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 entries 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 \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 [2009/12/10 v1.7 Hyper extensions for doc.sty (H0)]%
```

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{doc}

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

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

\theHD@unique

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

32 \g@addto@macro\Hy@UseMaketitleInfos{%
33   \ifundefined{fileinfo}{\}%
34   \ifx\@pdfsubject\@empty
35     \hypersetup{pdfsubject={\fileinfo}}%
```

```

36     \fi
37 }%
38 }

39 \pdfstringdefDisableCommands{%
40   \let\thanks\@gobble
41   \let\footnote\@gobble
42   \def\cs#1{\textbackslash #1}%
43   \let\normalfont\@empty
44   \let\scshape\@empty
45   \def\and{and }%
46 }

```

3.3 Bookmarks

\HD@sectionpatch

```

47 \def\HD@sectionpatch{%
48   \ifHD@numbered
49     \HD@@sectionpatch{section}%
50     \HD@@sectionpatch{chapter}%
51   \else
52     \let\Hy@writebookmark\HD@disable@writebookmark
53   \fi
54 }

```

\HD@@sectionpatch

```

55 \def\HD@@sectionpatch#1{%
56   \expandafter\let\csname HDorg@@#1\expandafter\endcsname
57   \csname #1\endcsname
58   \@namedef{#1}{%
59     \ifstar{\@nameuse{HDorg@@#1}}{\@nameuse{HDorg@@#1}}%
60   }%
61 }

```

\HD@disable@writebookmark

```

62 \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.

```

63 \def\HD@guesstoclevel#1{%
64   \expandafter\HD@@guesstoclevel#1\section\HD@end
65 }

```

\HD@@guesstoclevel

```

66 \def\HD@@guesstoclevel#1#2\HD@end{%
67   \@ifundefined{toclevel@}\expandafter\@gobble\string#1\@empty}{%
68     1%
69   }{%
70     \@nameuse{toclevel@\expandafter\@gobble\string#1\@empty}%
71   }%
72 }

```

3.4 \tableofcontents

\HDorg@tableofcontents

```

73 \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.

```

74 \def\tableofcontents{%
75   \begingroup

```

```

76     \ifundefined{c@section}{%
77         \def\c@section{0}%
78     }{}%
79 \expandafter\endgroup
80 \ifcase\c@section
81     \stepcounter{HD@unique}%
82     \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]{%
83         {\contentsname}{toc\theHD@unique}%
84     \HDorg@tableofcontents
85 \else
86     \ifHD@numbered
87     \else
88         \stepcounter{HD@unique}%
89         \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]{%
90             {\contentsname}{toc\theHD@unique}%
91         \fi
92     \begingroup
93         \HD@sectionpatch
94         \HDorg@tableofcontents
95     \endgroup
96 \fi
97 }

```

3.5 \listoffigures

\HDorg@listoffigures

```

98 \let\HDorg@listoffigures\listoffigures

```

\listoffigures

```

99 \def\listoffigures{%
100     \ifHD@numbered
101     \else
102         \stepcounter{HD@unique}%
103         \pdfbookmark[\HD@guesstoclevel{\HDorg@listoffigures}]{%
104             {\contentsname}{toc\theHD@unique}%
105         \fi
106     \begingroup
107         \HD@sectionpatch
108         \HDorg@listoffigures
109     \endgroup
110 }

```

3.6 \listoftables

\HDorg@listoftables

```

111 \let\HDorg@listoftables\listoftables

```

\listoftables

```

112 \def\listoftables{%
113     \ifHD@numbered
114     \else
115         \stepcounter{HD@unique}%
116         \pdfbookmark[\HD@guesstoclevel{\HDorg@listoftables}]{%
117             {\contentsname}{toc\theHD@unique}%
118         \fi
119     \begingroup
120         \HD@sectionpatch
121         \HDorg@listoftables
122     \endgroup
123 }

```

3.7 \thebibliography

\HDorg@thebibliography

```

124 \let\HDorg@thebibliography\thebibliography

\thebibliography

125 \def\thebibliography{%
126   \ifHD@numbered
127   \else
128     \stepcounter{HD@unique}%
129     \pdfbookmark[\HD@guesstoclevel{\HDorg@thebibliography}]%
130     {\@ifundefined{chapter}{\refname}{\bibname}}{\bib\theHD@unique}%
131   \fi
132   \HD@sectionpatch
133   \HDorg@thebibliography
134 }
```

3.8 \theindex

\HDorg@theindex

```

135 \let\HDorg@theindex\theindex

\theindex

136 \def\theindex{%
137   \let\HDorg@index@prologue\index@prologue
138   \let\HDorg@writebookmark\Hy@writebookmark
139   \HD@sectionpatch
140   \g@addto@macro\IndexParms{%
141     \ifHD@numbered
142     \else
143       \let\Hy@writebookmark\HDorg@writebookmark
144     \fi
145     \let\bfseries\HD@bfseries
146   }%
147   \edef\HD@toclevel@index{\HD@guesstoclevel{\index@prologue}}%
148   \begingroup
149     \count@=\HD@toclevel@index\relax
150     \advance\count@ by 1 %
151     \xdef\HD@toclevel@subindex{\the\count@}%
152   \endgroup
153   \def\index@prologue{%
154     \ifHD@numbered
155     \else
156       \begingroup
157         \stepcounter{HD@unique}%
158         \let\Hy@writebookmark\HDorg@writebookmark
159         \pdfbookmark[\HD@toclevel@index]%
160         {\indexname}{index\theHD@unique}%
161       \endgroup
162     \fi
163     \HDorg@index@prologue
164   }%
165   \HDorg@theindex
166 }
```

\HDorg@bfseries

```

167 \let\HDorg@bfseries\bfseries
```

\HD@bfseries

```

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

\HD@@bfseries

```
169 \def\HD@@bfseries{%
170   \HDorg@bfseries
171   \ifx\HD@hfil\hfil
172     \expandafter\HD@@@bfseries
173   \fi
174 }
```

\HD@@@bfseries

```
175 \def\HD@@@bfseries\hfil#1\hfil{%
176   \ifx\#1\%
177   \else
178     \raisebox{\baselineskip}[Opt]{%
179       \kern-\HD@margin\relax
180       \pdfbookmark[\HD@toclevel@subindex]{#1}{HD.#1}%
181       \kern\HD@margin\relax
182     }%
183   \fi
184   \hfil#1\hfil
185 }%
```

\HD@margin

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

3.9 \theglossary

\HDorg@theglossary

```
187 \let\HDorg@theglossary\theglossary
```

\theglossary

```
188 \def\theglossary{%
189   \let\HDorg@glossary@prologue\glossary@prologue
190   \let\HDorg@writebookmark\Hy@writebookmark
191   \HD@sectionpatch
192   \def\glossary@prologue{%
193     \ifHD@numbered
194     \else
195       \begingroup
196         \let\Hy@writebookmark\HDorg@writebookmark
197         \stepcounter{HD@unique}%
198         \pdfbookmark[\HD@guesstoclevel{\HDorg@glossary@prologue}]{%
199           {\glossaryname}{glossary\theHD@unique}%
200         }%
201       \endgroup
202     \fi
203     \HDorg@glossary@prologue
204   }%
205   \HDorg@theglossary
206 }
```

\glossaryname

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

3.10 Index

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

\HD@helplength

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



```

\ifHD@savedest
209 \newif\ifHD@savedest
210 \HD@savedesttrue

211 \AtBeginDocument{%
212   \HD@savedest@init
213 }

214 \RequirePackage{rerunfilecheck}[2009/12/10]

\HD@savedest@init
215 \begingroup
216   \catcode'\^^M=\active
217 \@firstofone{\endgroup
218   \def\HD@savedest@init{%
219     \ifHD@savedest
220       \let\HDorg@tilde~%
221       \let~\HD@savedest@entry
222       \edef\HDorg@catcodeM{\the\catcode'\^^M}%
223       \catcode'\^^M=\active
224       \def^^M{}%
225       \InputIfFileExists{\jobname.hd}{-}{-}%
226       \let~\HDorg@tilde
227       \catcode'\^^M=\HDorg@catcodeM\relax
228       \newwrite\HD@savedest@out
229       \RerunFileCheck{\jobname.hd}{-}%
230       \immediate\closeout\HD@savedest@out
231     }{}%
232     \immediate\openout\HD@savedest@out=\jobname.hd\relax
233   \else
234     \let\HD@savedest@add\@gobble
235   \fi
236 }%

\HD@savedest@entry
237 \def\HD@savedest@entry#1^^M{%
238   \@namedef{HD.#1}{-}%
239 }%
240 }

\HD@savedest@add
241 \def\HD@savedest@add#1{%
242   \immediate\write\HD@savedest@out{\string~#1}%
243 }

\ifHD@targetraise
244 \newif\ifHD@targetraise
245 \HD@targetraisetrue

\HD@target
246 \def\HD@target{%
247   \ifHD@targetraise
248     \ifhmode
249       \settoheight{\HD@helplength}{[H]}%
250       \addtolength{\HD@helplength}{0.4ex}%
251       \raisebox{\HD@helplength}{%
252         \HD@maketarget
253       }%
254     \else
255       \HD@maketarget
256     \fi
257   \else

```

```

258     \HD@maketarget
259 \fi
260 }

\HD@maketarget
261 \def\HD@maketarget{%
262   \stepcounter{HD@hypercount}%
263   \def\HD@next{%
264     \llap{\hypertarget{HD.\the\c@HD@hypercount}{},}%
265   }%
266   \ifHD@savedest
267     \expandafter\ifx\csname HD.\the\c@HD@hypercount\endcsname\@empty
268     \else
269       \let\HD@next\relax
270     \fi
271   \fi
272   \HD@next
273 }

\CodelineIndex
274 \g@addto@macro\CodelineIndex{%
275   \let\special@index\HD@codeline@wrindex
276 }

\PageIndex
277 \g@addto@macro\PageIndex{%
278   \let\special@index\HD@page@wrindex
279 }

\HD@codeline@wrindex
280 \def\HD@codeline@wrindex#1{%
281   \begingroup
282     \let\HDorg@encapchar\encapchar
283     \def\encapchar##1\encapchar##2\@nil{%
284       \HDorg@encapchar
285       hdclindex{\the\c@HD@hypercount}{##1}%
286     }%
287     \codeline@wrindex{%
288       #1\encapchar\encapchar\@nil
289     }%
290   \endgroup
291 }

\HD@page@wrindex
292 \def\HD@page@wrindex#1{%
293   \begingroup
294     \let\HDorg@encapchar\encapchar
295     \def\encapchar##1\encapchar##2\@nil{%
296       \HDorg@encapchar
297       hdpindex{##1}%
298     }%
299     \HDorg@index{#1\encapchar\encapchar\@nil}%
300   \endgroup
301 }

\hdclindex
302 \def\hdclindex#1#2#3{%
303   \csname\ifx\#2\relax\else#2\fi\endcsname{%
304     \hyperlink{HD.#1}{#3}%
305     \HD@savedest@add{#1}%
306   }%
307 }

```

\hdpindex

```
308 \def\hdpindex#1#2{%
309   \csname\ifx\\#1\\relax\else#1\fi\endcsname{%
310     \hyperpage{#2}%
311   }%
312 }
```

3.11 \PrintDescribeMacro

\HDorg@PrintDescribeMacro

```
313 \let\HDorg@PrintDescribeMacro\PrintDescribeMacro
```

\PrintDescribeMacro

```
314 \renewcommand\PrintDescribeMacro[1]{%
315   \begingroup
316     \let\HDorg@MacroFont\MacroFont
317     \def\MacroFont{%
318       \HD@target
319       \HDorg@MacroFont
320     }%
321     \HDorg@PrintDescribeMacro{#1}%
322   \endgroup
323 }
```

3.12 \PrintMacroName

\HDorg@PrintMacroName

```
324 \let\HDorg@PrintMacroName\PrintMacroName
```

\PrintMacroName

```
325 \renewcommand\PrintMacroName[1]{%
326   \begingroup
327     \let\HDorg@MacroFont\MacroFont
328     \def\MacroFont{%
329       \HD@target
330       \HDorg@MacroFont
331     }%
332     \HDorg@PrintMacroName{#1}%
333   \endgroup
334 }
```

3.13 \theCodelineNo

\HDorg@theCodelineNo

```
335 \let\HDorg@theCodelineNo\theCodelineNo
```

\theCodelineNo

```
336 \renewcommand*\theCodelineNo{%
337   \settowidth{\HD@helplength}{\HDorg@theCodelineNo\ }%
338   \ifdim\HD@helplength<\MacroIndent
339     \addtolength{\HD@helplength}{-\MacroIndent}%
340     \llap{%
341       \begingroup\HD@target\endgroup
342       \hspace*{\HD@helplength}%
343     }%
344   \else
345     \HD@target
346   \fi
347   \HDorg@theCodelineNo
348 }
```

\HDorg@index

```
349 \AtBeginDocument{%
350   \let\HDorg@index\index
351 }
```

3.14 \SpecialUsageIndex

\HDorg@SpecialUsageIndex

```
352 \let\HDorg@SpecialUsageIndex\SpecialUsageIndex
353 \renewcommand*\SpecialUsageIndex[1]{%
354   \@bsphack
355   \begingroup
356     \HD@target
357     \let\index\HDorg@index
358     \let\HDorg@encapchar\encapchar
359     \edef\encapchar usage{%
360       \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
361     }%
362     \HDorg@SpecialUsageIndex{#1}%
363   \endgroup
364   \@esphack
365 }
```

3.15 \autoindex

```
366 \begingroup\expandafter\expandafter\expandafter\endgroup
367 \expandafter\ifx\csname autoindex\endcsname\relax
368 \else
```

\HDorg@autoindex

```
369   \let\HDorg@autoindex\autoindex
```

\autoindex

```
370   \renewcommand*\autoindex[1]{%
371     \@bsphack
372     \begingroup
373       \HD@target
374       \let\index\HDorg@index
375       \let\HDorg@encapchar\encapchar
376       \edef\encapchar usage{%
377         \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
378       }%
379       \HDorg@autoindex{#1}%
380     \endgroup
381     \@esphack
382   }%
383 \fi
```

3.16 \SpecialEnvIndex

\HDorg@SpecialEnvIndex

```
384 \let\HDorg@SpecialEnvIndex\SpecialEnvIndex
```

\SpecialEnvIndex

```
385 \renewcommand*\SpecialEnvIndex[1]{%
386   \@bsphack
387   \begingroup
388     \HD@target
389     \let\HDorg@encapchar\encapchar
390     \edef\encapchar usage{%
```

```

391 \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
392 }%
393 \HDorg@SpecialEnvIndex{#1}%
394 \endgroup
395 \@esphack
396 }

```

3.17 \SortIndex

\HDorg@SortIndex

```

397 \let\HDorg@SortIndex\SortIndex

```

\SortIndex

```

398 \renewcommand*{\SortIndex}[2]{%
399 \@bsphack
400 \begingroup
401 \let\index\HD@page@wrindex
402 \HDorg@SortIndex{#1}{#2}%
403 \endgroup
404 \@esphack
405 }

```

3.18 \@wrglossary

\HDorg@wrglossary

```

406 \let\HDorg@wrglossary\@wrglossary

```

\@wrglossary

```

407 \def\@wrglossary#1{%
408 \let\HDorg@encapchar\encapchar
409 \def\encapchar##1\encapchar##2\@nil{%
410 \HDorg@encapchar
411 hdpindex{##1}%
412 }%
413 \HDorg@wrglossary{#1\encapchar\encapchar\@nil}%
414 }

```

3.19 \MacroIndent

\MacroIndent automatically calculated.

```

415 \AtEndDocument{%
416 \if@files
417 \immediate\write\@auxout{%
418 \noexpand\HD@SetMacroIndent{\number\value{CodelineNo}}%
419 }%
420 \fi
421 }

```

\HD@SetMacroIndent

```

422 \def\HD@SetMacroIndent#1{%
423 \begingroup
424 \value{CodelineNo}=#1\relax
425 \settowidth{\MacroIndent}{\HDorg@theCodelineNo\ }%
426 \global\MacroIndent\MacroIndent
427 \endgroup
428 }

429 \</package>

```

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 \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/
```

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 (te \TeX , mi \TeX , ...) relies on file name databases, you must refresh these. For example, te \TeX users run `texhash` or `mktextlsr`.

¹<http://ftp.ctan.org/tex-archive/>

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 `pdf \LaTeX` :

```
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`.

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; numbers in roman refer to the code lines where the entry is used.

Symbols		C	
<code>\,</code>	264	<code>\c@HD@hypercount</code>	264, 267, 285, 360, 377, 391
<code>\@auxout</code>	417	<code>\c@section</code>	77, 80
<code>\@bsphack</code>	354, 371, 386, 399	<code>\catcode</code>	216, 222, 223, 227
<code>\@empty</code>	34, 43, 44, 67, 70, 267	<code>\closeout</code>	230
<code>\@esphack</code>	364, 381, 395, 404	<code>\codeline@wrindex</code>	287
<code>\@firstofone</code>	217	<code>\CodelineIndex</code>	274
<code>\@gobble</code>	40, 41, 67, 70, 234	<code>\contentsname</code>	83, 90, 104, 117
<code>\@ifstar</code>	59	<code>\count@</code>	149, 150, 151
<code>\@ifundefined</code>	33, 67, 76, 130	<code>\cs</code>	42
<code>\@namedef</code>	58, 238	<code>\csname</code>	56, 57, 267, 303, 309, 367
<code>\@nameuse</code>	59, 70	D	
<code>\@nil</code>	283, 288, 295, 299, 409, 413	<code>\DeclareOption</code>	6
<code>\@pdfsubject</code>	34	E	
<code>\@undefined</code>	9	<code>\encapchar</code>	282, 283, 288, 294, 295, 299, 358, 359, 375, 376, 389, 390, 408, 409, 413
<code>\@wrglossary</code>	406, 407	<code>\endcsname</code>	56, 57, 267, 303, 309, 367
<code>\@</code>	176, 303, 309	F	
<code>\^</code>	216, 222, 223, 227	<code>\fileinfo</code>	35
<code>_</code>	337, 425	<code>\footnote</code>	41
A		<code>\futurelet</code>	168
<code>\active</code>	216, 223	G	
<code>\addtolength</code>	250, 339	<code>\g@addto@macro</code>	32, 140, 274, 277
<code>\advance</code>	150	<code>\glossary@prologue</code>	189, 192
<code>\and</code>	45	<code>\glossaryname</code>	199, 206
<code>\AtBeginDocument</code>	211, 349	H	
<code>\AtEndDocument</code>	415	<code>\HD@@@bfseries</code>	172, 175
<code>\autoindex</code>	369, 370	<code>\HD@@bfseries</code>	168, 169
B		<code>\HD@@guesstoclevel</code>	64, 66
<code>\baselineskip</code>	178	<code>\HD@@sectionpatch</code>	49, 50, 55
<code>\bfseries</code>	145, 167		
<code>\bibname</code>	130		

\HD@bfseries	145, 168	\Hy@writebookmark	52, 138, 143, 158, 190, 196
\HD@codeline@wrindex	275, 280	\hypercalcbp	23
\HD@disable@writebookmark	52, 62	\hyperlink	304
\HD@end	64, 66	\hyperpage	310
\HD@guesstoclevel	63, 82, 89, 103, 116, 129, 147, 198	\hypersetup	18, 35
\HD@helplength	208, 249, 250, 251, 337, 338, 339, 342	\hypertarget	264
\HD@hfil	168, 171	I	
\HD@maketarget	252, 255, 258, 261	\if@files	416
\HD@margin	179, 181, 186	\ifcase	80
\HD@next	263, 269, 272	\ifdim	338
\HD@numberedtrue	6	\ifHD@numbered	5, 48, 86, 100, 113, 126, 141, 154, 193
\HD@page@wrindex	278, 292, 401	\ifHD@savedest	209, 219, 266
\HD@savedest@add	234, 241, 305	\ifHD@targetraise	244, 247
\HD@savedest@entry	221, 237	\ifhmode	248
\HD@savedest@init	212, 215	\ifx	9, 34, 171, 176, 267, 303, 309, 367
\HD@savedest@out	228, 230, 232, 242	\immediate	230, 232, 242, 417
\HD@savedesttrue	210	\index	350, 357, 374, 401
\HD@sectionpatch	47, 93, 107, 120, 132, 139, 191	\index@prologue	137, 147, 153
\HD@SetMacroIndent	418, 422	\indexname	160
\HD@target	246, 318, 329, 341, 345, 356, 373, 388	\IndexParms	140
\HD@targetraisetrue	245	\InputIfFileExists	225
\HD@toclevel@index	147, 149, 159	J	
\HD@toclevel@subindex	151, 180	\jobname	225, 229, 232
\hdclindex	302	K	
\HDorg@autoindex	369, 379	\kern	179, 181
\HDorg@bfseries	167, 170	L	
\HDorg@catcodeM	222, 227	\listoffigures	98, 99
\HDorg@encapchar	282, 284, 294, 296, 358, 360, 375, 377, 389, 391, 408, 410	\listoftables	111, 112
\HDorg@glossary@prologue	189, 198, 202	\llap	264, 340
\HDorg@index	299, 349, 357, 374	M	
\HDorg@index@prologue	137, 163	\MacroFont	316, 317, 327, 328
\HDorg@listoffigures	98, 103, 108	\MacroIndent	338, 339, 425, 426
\HDorg@listoftables	111, 116, 121	N	
\HDorg@MacroFont	316, 319, 327, 330	\NeedsTeXFormat	2
\HDorg@PrintDescribeMacro	313, 321	\newcounter	28, 207
\HDorg@PrintMacroName	324, 332	\newif	5, 209, 244
\HDorg@SortIndex	397, 402	\newlength	208
\HDorg@SpecialEnvIndex	384, 393	\newwrite	228
\HDorg@SpecialUsageIndex	352	\normalfont	43
\HDorg@tableofcontents	73, 82, 84, 89, 94	\number	30, 418
\HDorg@thebibliography	124, 129, 133	\numexpr	9
\HDorg@theCodelineNo	335, 337, 347, 425	O	
\HDorg@theglossary	187, 204	\openout	232
\HDorg@theindex	135, 165	P	
\HDorg@tilde	220, 226	\PageIndex	277
\HDorg@wrglossary	406, 413	\paperheight	24
\HDorg@writebookmark	138, 143, 158, 190, 196	\pdfbookmark	82, 89, 103, 116, 129, 159, 180, 198
\hdpindex	308	\pdfstringdefDisableCommands	39
\headheight	24	\PrintDescribeMacro	313, 314
\headsep	24	\PrintMacroName	324, 325
\hfil	171, 175, 184	\ProcessOptions	7
\hspace	342	\providecommand	206
\Hy@UseMaketitleInfos	32	\ProvidesPackage	3

R		T	
\raisebox	178, 251	\tableofcontents	73, <u>74</u>
\refname	130	\textbackslash	42
\renewcommand	29, 314, 325, 336, 353, 370, 385, 398	\thanks	40
\RequirePackage	8, 10, 12, 27, 214	\the	151, 222, 264, 267, 285, 360, 377, 391
\RerunFileCheck	229	\thebibliography	124, <u>125</u>
S		\theCodelineNo	335, <u>336</u>
\scshape	44	\theglossary	187, <u>188</u>
\section	64	\theHD@unique	<u>29</u> , 83, 90, 104, 117, 130, 160, 199
\settoheight	249	\theindex	135, <u>136</u>
\settowidth	337, 425	\topmargin	24
\SortIndex	397, <u>398</u>	V	
\special@index	275, 278	\value	30, 418, 424
\SpecialEnvIndex	384, <u>385</u>	W	
\SpecialUsageIndex	352, 353	\write	242, 417
\stepcounter	81, 88, 102, 115, 128, 157, 197, 262		