

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/hypdoc/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 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` may additionally be 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 pdfL^AT_EX.

```
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 [2023-10-26 v1.19 Hyper extensions for doc.sty (HD)]%
```

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 \@ifpackageloaded{hyperref}
14 {
15 \ifHy@hyperindex
```

```

16 \PackageWarning{hypdoc}{%
17   hyperref has been loaded before with option 'hyperindex' enabled.\MessageBreak
18   The index will not work properly.}
19 \fi
20 \ifHy@pdfusetitle\else
21   \PackageInfo{hypdoc}{%
22     hyperref has been loaded before with option 'pdfusetitle' disabled.}
23   \fi
24 }
25 {\RequirePackage[%
26   hyperindex=false,%
27   pdfusetitle,%
28   ]{hyperref}[2002/05/09]%
29 }
30 \hypersetup{%
31   colorlinks,%
32   plainpages=false,%
33   bookmarksopen,%
34   bookmarksnumbered,%
35   bookmarksopenlevel=0,%
36   pdfstartview={FitBH \hypercalcbp{%
37     \paperheight-\topmargin-1in-\headheight-\headsep
38   }},%
39 }
40 \newcounter{HD@unique}

```

\theHD@unique

```

41 \renewcommand{\theHD@unique}{%
42   \number\value{HD@unique}%
43 }
44 \g@addto@macro\Hy@UseMaketitleInfos{%
45   \@ifundefined{fileinfo}{%
46     \ifx\@pdfsubject\@empty
47       \hypersetup{pdfsubject={\fileinfo}}%
48     \fi
49   }%
50 }
51 \pdfstringdefDisableCommands{%
52   \let\thanks\@gobble
53   \let\footnote\@gobble
54   \def\cs#1{\textbackslash #1}%
55   \let\normalfont\@empty
56   \let\scshape\@empty
57   \def\and{and }%
58 }

```

3.3 Bookmarks

\HD@sectionpatch

```

59 \def\HD@sectionpatch{%
60   \ifHD@numbered
61     \HD@@sectionpatch{section}%
62     \HD@@sectionpatch{chapter}%
63   \else
64     \let\Hy@writebookmark\HD@disable@writebookmark
65   \fi
66 }

```

`\HD@@sectionpatch`

```
67 \def\HD@@sectionpatch#1{%
68   \expandafter\let\csname HDorg@@#1\expandafter\endcsname
69   \csname #1\endcsname
70   \@namedef{#1}{%
71     \ifstar{\@nameuse{HDorg@@#1}}{\@nameuse{HDorg@@#1}}%
72   }%
73 }
```

`\HD@disable@writebookmark`

```
74 \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.

```
75 \def\HD@guesstoclevel#1{%
76   \expandafter\HD@guesstoclevel#1\section\HD@end
77 }
```

`\HD@@guesstoclevel`

```
78 \long\def\HD@@guesstoclevel#1#2\HD@end{%
79   \@ifundefined{toclevel@\expandafter\@gobble\string#1\@empty}{%
80     1%
81   }{%
82     \@nameuse{toclevel@\expandafter\@gobble\string#1\@empty}%
83   }%
84 }
```

3.4 `\tableofcontents`

`\HDorg@tableofcontents`

```
85 \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.

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

3.5 \listoffigures

\HDorg@listoffigures

```
110 \let\HDorg@listoffigures\listoffigures
```

\listoffigures

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

3.6 \listoftables

\HDorg@listoftables

```
123 \let\HDorg@listoftables\listoftables
```

\listoftables

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

3.7 \thebibliography

\HDorg@thebibliography

```
136 \let\HDorg@thebibliography\thebibliography
```

\thebibliography

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

3.8 \theindex

\HDorg@theindex

```
147 \let\HDorg@theindex\theindex
```

\theindex

```
148 \def\theindex{%
149   \let\HDorg@index@prologue\index@prologue
150   \let\HDorg@writebookmark\Hy@writebookmark
151   \HD@sectionpatch
152   \g@addto@macro\IndexParms{%
153     \ifHD@numbered
154     \else
155       \let\Hy@writebookmark\HDorg@writebookmark
156     \fi
157     \let\bfseries\HD@bfseries
158   }%
159   \edef\HD@toclevel@index{\HD@guesstoclevel{\index@prologue}}%
160   \begingroup
161     \count@=\HD@toclevel@index\relax
162     \advance\count@ by 1 %
163     \xdef\HD@toclevel@subindex{\the\count@}%
164   \endgroup
165   \def\index@prologue{%
166     \ifHD@numbered
167     \else
168       \begingroup
169         \stepcounter{HD@unique}%
170         \let\Hy@writebookmark\HDorg@writebookmark
171         \pdfbookmark[\HD@toclevel@index]%
172           {\indexname}{index\theHD@unique}%
173       \endgroup
174     \fi
175     \HDorg@index@prologue
176   }%
177   \HDorg@theindex
178 }
```

\HDorg@bfseries

```
179 \let\HDorg@bfseries\bfseries
```

\HD@bfseries

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

\HD@@bfseries

```
181 \def\HD@@bfseries{%
182   \HDorg@bfseries
183   \ifx\HD@hfil\hfil
184     \expandafter\HD@@@bfseries
185   \fi
186 }
```

\HD@@@bfseries

```
187 \def\HD@@@bfseries\hfil#1\hfil{%
188   \ifx\#1\%
189   \else
190     \raisebox{\baselineskip}[Opt]{%
191       \kern-\HD@margin\relax
```

```

192     \pdfbookmark[\HD@toclevel@subindex]{#1}{HD.#1}%
193     \kern\HD@margin\relax
194   }%
195   \fi
196   \hfil#1\hfil
197 }%

```

\HD@margin

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

3.9 \theglossary

\HDorg@theglossary

```
199 \let\HDorg@theglossary\theglossary
```

\theglossary

```

200 \def\theglossary{%
201   \let\HDorg@glossary@prologue\glossary@prologue
202   \let\HDorg@writebookmark\Hy@writebookmark
203   \HD@sectionpatch
204   \def\glossary@prologue{%
205     \ifHD@numbered
206     \else
207       \begingroup
208         \let\Hy@writebookmark\HDorg@writebookmark
209         \stepcounter{HD@unique}%
210         \pdfbookmark[\HD@guesstoclevel{\HDorg@glossary@prologue}]{%
211           {\changehistoryname}{glossary\theHD@unique}}%
212       \endgroup
213     \fi
214     \HDorg@glossary@prologue
215   }%
216   \HDorg@theglossary
217 }

```

\glossaryname

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

\glossaryname

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

3.10 Index

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

\HD@helplength

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

\ifHD@savest

```
222 \newif\ifHD@savest
```

```
223 \HD@savesttrue
```

```
224 \AtBeginDocument{%
```

```
225   \HD@savest@init
```

```
226 }
```

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

```

\HD@savedest@init
228 \beginingroup
229 \catcode'\^M=\active
230 \@firstofone{\endgroup
231 \def\HD@savedest@init{%
232 \ifHD@savedest
233 \let\HDorg@tilde~%
234 \let~\HD@savedest@entry
235 \edef\HDorg@catcodeM{\the\catcode'\^M}%
236 \let\HDorg@M^M%
237 \catcode'\^M=\active
238 \def^M{%
239 \InputIfFileExists{\jobname.hd}{}{}%
240 \let~\HDorg@tilde
241 \let^M\HDorg@M
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 }

\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}[0pt][0pt]{%
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     \leavevmode
280     \llap{\hypertarget{HD.\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   }
```

```

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 \pdfstringdefDisableCommands{\let\autoindex@gobble }
400 \fi

```

3.16 \SpecialEnvIndex

\HDorg@SpecialEnvIndex

```
401 \let\HDorg@SpecialEnvIndex\SpecialEnvIndex
```

\SpecialEnvIndex

```
402 \renewcommand*\SpecialEnvIndex[1]{%
403   \@bsphack
404   \begingroup
405     \HD@target
406     \let\HDorg@encapchar\encapchar
407     \edef\encapchar usage{%
408       \HDorg@encapchar hdcindex{\the\c@HD@hypercount}{usage}%
409     }%
410     \HDorg@SpecialEnvIndex{#1}%
411   \endgroup
412   \@esphack
413 }
```

3.17 \SortIndex

\HDorg@SortIndex

```
414 \let\HDorg@SortIndex\SortIndex
```

\SortIndex

```
415 \renewcommand*\SortIndex}[2]{%
416   \@bsphack
417   \begingroup
418     \let\index\HD@page@windex
419     \HDorg@SortIndex{#1}{#2}%
420   \endgroup
421   \@esphack
422 }
```

3.18 \@wrglossary

\HDorg@wrglossary

```
423 \let\HDorg@wrglossary\@wrglossary
```

\@wrglossary

```
424 \def\@wrglossary#1{%
425   \let\HDorg@encapchar\encapchar
426   \def\encapchar##1\encapchar##2\@nil{%
427     \HDorg@encapchar
428     hdpindex{##1}%
429   }%
430   \HDorg@wrglossary{#1\encapchar\encapchar\@nil}%
431 }
```

3.19 \MacroIndent

\MacroIndent automatically calculated.

```
432 \AfterLastShipout{%
433   \if@filesw
434     \immediate\write\@auxout{%
435       \string\providecommand\string\HD@SetMacroIndent[1]{}%

```

```

436     }%
437     \immediate\write\@auxout{%
438       \string\HD@SetMacroIndent{\number\value{CodelineNo}}}%
439     }%
440     \fi
441 }

```

`\HD@SetMacroIndent`

```

442 \def\HD@SetMacroIndent#1{%
443   \begingroup
444     \value{CodelineNo}=#1\relax
445     \settowidth{\MacroIndent}{\HDorg@theCodelineNo\ }%
446     \global\MacroIndent\MacroIndent
447   \endgroup
448 }

449 </package>

```

4 Installation

4.1 Download

Package. This package is available on CTAN¹:

[CTAN:macros/latex/contrib/hypdoc/hypdoc.dtx](https://ctan.org/ctan/packages/macros/latex/contrib/hypdoc/hypdoc.dtx) The source file.

[CTAN:macros/latex/contrib/hypdoc/hypdoc.pdf](https://ctan.org/ctan/packages/macros/latex/contrib/hypdoc/hypdoc.pdf) Documentation.

4.2 Package installation

The best is to install the package with the package manager of your T_EX distribution. If a manual installation is needed:

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
```

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

4.3 Refresh file name databases

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

¹[CTAN:pkg/hypdoc](https://ctan.org/ctan/packages/pkg/hypdoc)

4.4 Some details for the interested

Unpacking with L^AT_EX. The `.dtx` chooses its action depending on the format:

plain T_EX: Run `docstrip` and extract the files.

L^AT_EX: Generate the documentation.

If you insist on using L^AT_EX for `docstrip` (really, `docstrip` does not need L^AT_EX), 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 pdfL^AT_EX:

```
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.

[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`

[2018/09/07 v1.14]

- Do not load `thumpdf`.

[2021-11-15 v1.15]

- removed an old, unneeded patch for latex/4096
- added a `\pdfstringdefDisableCommands` setting for `\autoindex`

[2022-06-14 v1.16]

- Avoid to load `hyperref` if has been already loaded, issue #1

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