

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.

Contents

1	Features	2
2	Usage	3
2.1	Options	3
2.2	Simple example	3
2.3	Example <code>source2e.tex</code>	4
3	Implementation	4
3.1	Options	4
3.2	Package loading	4
3.3	Bookmarks	5
3.4	<code>\tableofcontents</code>	6
3.5	<code>\listoffigures</code>	6
3.6	<code>\listoftables</code>	7
3.7	<code>\thebibliography</code>	7
3.8	<code>\theindex</code>	7
3.9	<code>\theglossary</code>	9
3.10	Index	9
3.11	<code>\PrintDescribeMacro</code>	12
3.12	<code>\PrintMacroName</code>	12
3.13	<code>\theCodelineNo</code>	12
3.14	<code>\SpecialUsageIndex</code>	13
3.15	<code>\autoindex</code>	13
3.16	<code>\SpecialEnvIndex</code>	13
3.17	<code>\SortIndex</code>	14
3.18	<code>\@wrglossary</code>	14
3.19	<code>\MacroIndent</code>	14
4	Installation	15
4.1	Download	15
4.2	Package installation	15
4.3	Refresh file name databases	15
4.4	Some details for the interested	15

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

5 History	16
[2002/05/10 v1.0]	16
[2006/02/20 v1.1]	16
[2006/04/27 v1.2]	16
[2006/06/01 v1.3]	16
[2006/06/02 v1.4]	16
[2007/04/11 v1.5]	16
[2007/11/12 v1.6]	17
[2009/12/10 v1.7]	17
[2010/02/03 v1.8]	17
[2010/03/26 v1.9]	17
[2011/05/05 v1.10]	17
[2011/08/19 v1.11]	17
[2016/05/16 v1.12]	17
[2016/10/02 v1.13]	17
[2018/09/07 v1.14]	17
[2021-11-15 v1.15]	17
[2022-06-14 v1.16]	17
[2022-07-03 v1.17]	17
6 Index	18

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 `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 [2022-07-03 v1.17 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 {\PackageWarning{hypdoc}{hyperref has been loaded before. Check the options!}}
15 {\RequirePackage[%
16   hyperindex=false,%

```

```

17 pdfusetitle,%
18 pdfpagelabels%
19 ]{hyperref}[2002/05/09]%
20 }
21 \hypersetup{%
22 colorlinks,%
23 plainpages=false,%
24 bookmarksopen,%
25 bookmarksnumbered,%
26 bookmarksopenlevel=0,%
27 pdfstartview={FitBH \hypercalcbp{%
28 \paperheight-\topmargin-1in-\headheight-\headsep
29 }},%
30 }
31 \newcounter{HD@unique}

\theHD@unique
32 \renewcommand{\theHD@unique}{%
33 \number\value{HD@unique}%
34 }

35 \g@addto@macro\Hy@UseMaketitleInfos{%
36 \@ifundefined{fileinfo}{-}{%
37 \ifx\@pdfsubject\@empty
38 \hypersetup{pdfsubject={\fileinfo}}%
39 \fi
40 }%
41 }

42 \pdfstringdefDisableCommands{%
43 \let\thanks\@gobble
44 \let\footnote\@gobble
45 \def\cs#1{\textbackslash #1}%
46 \let\normalfont\@empty
47 \let\scshape\@empty
48 \def\and{and }%
49 }

```

3.3 Bookmarks

\HD@sectionpatch

```

50 \def\HD@sectionpatch{%
51 \ifHD@numbered
52 \HD@@sectionpatch{section}%
53 \HD@@sectionpatch{chapter}%
54 \else
55 \let\Hy@writebookmark\HD@disable@writebookmark
56 \fi
57 }

```

\HD@@sectionpatch

```

58 \def\HD@@sectionpatch#1{%
59 \expandafter\let\csname HDorg@@#1\expandafter\endcsname
60 \csname #1\endcsname
61 \@namedef{#1}{%
62 \ifstar{\@nameuse{HDorg@@#1}}{\@nameuse{HDorg@@#1}}%
63 }%
64 }

```

`\HD@disable@writebookmark`

```
65 \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.

```
66 \def\HD@guesstoclevel#1{%
67   \expandafter\HD@@guesstoclevel#1\section\HD@end
68 }
```

`\HD@@guesstoclevel`

```
69 \def\HD@@guesstoclevel#1#2\HD@end{%
70   \@ifundefined{toclevel@\expandafter\@gobble\string#1\@empty}{%
71     1%
72   }{%
73     \@nameuse{toclevel@\expandafter\@gobble\string#1\@empty}%
74   }%
75 }
```

3.4 `\tableofcontents`

`\HDorg@tableofcontents`

```
76 \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.

```
77 \def\tableofcontents{%
78   \begingroup
79   \@ifundefined{c@section}{%
80     \def\c@section{0}%
81   }{%
82     \expandafter\endgroup
83     \ifcase\c@section
84       \stepcounter{HD@unique}%
85       \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]%
86         {\contentsname}{toc\theHD@unique}%
87       \HDorg@tableofcontents
88     \else
89       \ifHD@numbered
90       \else
91         \stepcounter{HD@unique}%
92         \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]%
93           {\contentsname}{toc\theHD@unique}%
94       \fi
95     \begingroup
96     \HD@sectionpatch
97     \HDorg@tableofcontents
98   \endgroup
99   \fi
100 }
```

3.5 `\listoffigures`

`\HDorg@listoffigures`

```
101 \let\HDorg@listoffigures\listoffigures
```

`\listoffigures`

```
102 \def\listoffigures{%
103   \ifHD@numbered
104   \else
105     \stepcounter{HD@unique}%
106     \pdfbookmark[\HD@guesstoclevel{\HDorg@listoffigures}]%
107       {\listfigurename}{toc\theHD@unique}%
108   \fi
109   \begingroup
110     \HD@sectionpatch
111     \HDorg@listoffigures
112   \endgroup
113 }
```

3.6 `\listoftables`

`\HDorg@listoftables`

```
114 \let\HDorg@listoftables\listoftables
```

`\listoftables`

```
115 \def\listoftables{%
116   \ifHD@numbered
117   \else
118     \stepcounter{HD@unique}%
119     \pdfbookmark[\HD@guesstoclevel{\HDorg@listoftables}]%
120       {\listtablename}{toc\theHD@unique}%
121   \fi
122   \begingroup
123     \HD@sectionpatch
124     \HDorg@listoftables
125   \endgroup
126 }
```

3.7 `\thebibliography`

`\HDorg@thebibliography`

```
127 \let\HDorg@thebibliography\thebibliography
```

`\thebibliography`

```
128 \def\thebibliography{%
129   \ifHD@numbered
130   \else
131     \stepcounter{HD@unique}%
132     \pdfbookmark[\HD@guesstoclevel{\HDorg@thebibliography}]%
133       {\@ifundefined{chapter}{\refname}{\bibname}}{\bib\theHD@unique}%
134   \fi
135   \HD@sectionpatch
136   \HDorg@thebibliography
137 }
```

3.8 `\theindex`

`\HDorg@theindex`

```
138 \let\HDorg@theindex\theindex
```

```

\theindex
139 \def\theindex{%
140   \let\HDorg@index@prologue\index@prologue
141   \let\HDorg@writebookmark\Hy@writebookmark
142   \HD@sectionpatch
143   \g@addto@macro\IndexParms{%
144     \ifHD@numbered
145     \else
146       \let\Hy@writebookmark\HDorg@writebookmark
147       \fi
148     \let\bfseries\HD@bfseries
149   }%
150   \edef\HD@toclevel@index{\HD@guesstoclevel{\index@prologue}}%
151   \begingroup
152     \count@=\HD@toclevel@index\relax
153     \advance\count@ by 1 %
154     \xdef\HD@toclevel@subindex{\the\count@}%
155   \endgroup
156   \def\index@prologue{%
157     \ifHD@numbered
158     \else
159       \begingroup
160         \stepcounter{HD@unique}%
161         \let\Hy@writebookmark\HDorg@writebookmark
162         \pdfbookmark[\HD@toclevel@index]%
163           {\indexname}{index\theHD@unique}%
164       \endgroup
165     \fi
166     \HDorg@index@prologue
167   }%
168   \HDorg@theindex
169 }

\HDorg@bfseries
170 \let\HDorg@bfseries\bfseries

\HD@bfseries
171 \def\HD@bfseries{\futurelet\HD@hfil\HD@@bfseries}%

\HD@@bfseries
172 \def\HD@@bfseries{%
173   \HDorg@bfseries
174   \ifx\HD@hfil\hfil
175     \expandafter\HD@@@bfseries
176   \fi
177 }

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

```



```

188 }%

\HD@margin
189 \def\HD@margin{1mm}

3.9 \theglossary

\HDorg@theglossary
190 \let\HDorg@theglossary\theglossary

\theglossary
191 \def\theglossary{%
192   \let\HDorg@glossary@prologue\glossary@prologue
193   \let\HDorg@writebookmark\Hy@writebookmark
194   \HD@sectionpatch
195   \def\glossary@prologue{%
196     \ifHD@numbered
197     \else
198       \begingroup
199         \let\Hy@writebookmark\HDorg@writebookmark
200         \stepcounter{HD@unique}%
201         \pdfbookmark[HD@guesstoclevel{\HDorg@glossary@prologue}]%
202           {\changehistoryname}{glossary\theHD@unique}%
203       \endgroup
204     \fi
205     \HDorg@glossary@prologue
206   }%
207   \HDorg@theglossary
208 }

\glossaryname
209 \providecommand*\glossaryname{Change History}

\glossaryname
210 \providecommand*\changehistoryname{\glossaryname}

3.10 Index

211 \newcounter{HD@hypercount}

\HD@helplength
212 \newlength{HD@helplength}

\ifHD@savedest
213 \newif\ifHD@savedest
214 \HD@savedesttrue

215 \AtBeginDocument{%
216   \HD@savedest@init
217 }

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

\HD@savedest@init
219 \begingroup
220   \catcode'\^^M=\active
221   \@firstofone\endgroup
222   \def\HD@savedest@init{%

```

```

223 \ifHD@savedest
224 \let\HDorg@tilde~%
225 \let~\HD@savedest@entry
226 \edef\HDorg@catcodeM{\the\catcode'\^^M}%
227 \let\HDorg@M^^M%
228 \catcode'\^^M=\active
229 \def^^M{}%
230 \InputIfFileExists{\jobname.hd}{-}{-}%
231 \let~\HDorg@tilde
232 \let^^M\HDorg@M
233 \catcode'\^^M=\HDorg@catcodeM\relax
234 \newwrite\HD@savedest@out
235 \RerunFileCheck{\jobname.hd}{-}%
236 \immediate\closeout\HD@savedest@out
237 }{}%
238 \immediate\openout\HD@savedest@out=\jobname.hd\relax
239 \else
240 \let\HD@savedest@add@gobble
241 \fi
242 }%

\HD@savedest@entry
243 \def\HD@savedest@entry#1^^M{%
244 \@namedef{HD.#1}{-}%
245 }%
246 }

\HD@savedest@add
247 \def\HD@savedest@add#1{%
248 \immediate\write\HD@savedest@out{\string~#1}%
249 }

\ifHD@targetraise
250 \newif\ifHD@targetraise
251 \HD@targetraisetrue

\HD@target
252 \def\HD@target{%
253 \ifHD@targetraise
254 \ifhmode
255 \settoheight{\HD@helplength}{[H]}%
256 \addtolength{\HD@helplength}{0.4ex}%
257 \raisebox{\HD@helplength}[0pt][0pt]{%
258 \HD@maketarget
259 }%
260 \else
261 \HD@maketarget
262 \fi
263 \else
264 \HD@maketarget
265 \fi
266 }

\HD@maketarget
267 \def\HD@maketarget{%
268 \stepcounter{HD@hypercount}%
269 \def\HD@next{%
270 \llap{\hypertarget{HD.\the\c@HD@hypercount}{-}\,}%

```

```

271 }%
272 \ifHD@savedest
273 \expandafter\ifx\csname HD.\the\c@HD@hypercount\endcsname\@empty
274 \else
275 \let\HD@next\relax
276 \fi
277 \fi
278 \HD@next
279 }

```

\CodelineIndex

```

280 \g@addto@macro\CodelineIndex{%
281 \let\special@index\HD@codeline@wrindex
282 }

```

\PageIndex

```

283 \g@addto@macro\PageIndex{%
284 \let\special@index\HD@page@wrindex
285 }

```

\HD@codeline@wrindex

```

286 \def\HD@codeline@wrindex#1{%
287 \begingroup
288 \let\HDorg@encapchar\encapchar
289 \def\encapchar##1\encapchar##2\@nil{%
290 \HDorg@encapchar
291 hdclindex{\the\c@HD@hypercount}{##1}%
292 }%
293 \codeline@wrindex{%
294 #1\encapchar\encapchar\@nil
295 }%
296 \endgroup
297 }

```

\HD@page@wrindex

```

298 \def\HD@page@wrindex#1{%
299 \begingroup
300 \let\HDorg@encapchar\encapchar
301 \def\encapchar##1\encapchar##2\@nil{%
302 \HDorg@encapchar
303 hdpindex{##1}%
304 }%
305 \HDorg@index{#1\encapchar\encapchar\@nil}%
306 \endgroup
307 }

```

\hdclindex

```

308 \def\hdclindex#1#2#3{%
309 \csname\ifx\#2\relax\else#2\fi\endcsname{%
310 \hyperlink{HD.#1}{#3}%
311 \HD@savedest@add{#1}%
312 }%
313 }

```

\hdpindex

```

314 \def\hdpindex#1#2{%
315 \csname\ifx\#1\relax\else#1\fi\endcsname{%

```

```

316   \hyperpage{#2}%
317 }%
318 }

```

3.11 \PrintDescribeMacro

\HDorg@PrintDescribeMacro

```

319 \let\HDorg@PrintDescribeMacro\PrintDescribeMacro

```

\PrintDescribeMacro

```

320 \renewcommand\PrintDescribeMacro[1]{%
321   \begingroup
322   \let\HDorg@MacroFont\MacroFont
323   \def\MacroFont{%
324     \HD@target
325     \HDorg@MacroFont
326   }%
327   \HDorg@PrintDescribeMacro{#1}%
328   \endgroup
329 }

```

3.12 \PrintMacroName

\HDorg@PrintMacroName

```

330 \let\HDorg@PrintMacroName\PrintMacroName

```

\PrintMacroName

```

331 \renewcommand\PrintMacroName[1]{%
332   \begingroup
333   \let\HDorg@MacroFont\MacroFont
334   \def\MacroFont{%
335     \HD@target
336     \HDorg@MacroFont
337   }%
338   \HDorg@PrintMacroName{#1}%
339   \endgroup
340 }

```

3.13 \theCodelineNo

\HDorg@theCodelineNo

```

341 \let\HDorg@theCodelineNo\theCodelineNo

```

\theCodelineNo

```

342 \renewcommand*\theCodelineNo{%
343   \settowidth{\HD@helplength}{\HDorg@theCodelineNo\ }%
344   \ifdim\HD@helplength<\MacroIndent
345     \addtolength{\HD@helplength}{-\MacroIndent}%
346     \llap{%
347       \begingroup\HD@target\endgroup
348       \hspace*{-\HD@helplength}%
349     }%
350   \else
351     \HD@target
352   \fi
353   \HDorg@theCodelineNo
354 }

```

```

\HDorg@index
355 \AtBeginDocument{%
356   \let\HDorg@index\index
357 }

```

3.14 \SpecialUsageIndex

```

\HDorg@SpecialUsageIndex
358 \let\HDorg@SpecialUsageIndex\SpecialUsageIndex
359 \renewcommand*\SpecialUsageIndex[1]{%
360   \@bsphack
361   \begingroup
362     \HD@target
363     \let\index\HDorg@index
364     \let\HDorg@encapchar\encapchar
365     \edef\encapchar usage{%
366       \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
367     }%
368     \HDorg@SpecialUsageIndex{#1}%
369   \endgroup
370   \@esphack
371 }

```

3.15 \autoindex

```

372 \begingroup\expandafter\expandafter\expandafter\endgroup
373 \expandafter\ifx\csname autoindex\endcsname\relax
374 \else

```

```

\HDorg@autoindex
375   \let\HDorg@autoindex\autoindex

```

```

\autoindex
376   \renewcommand*\autoindex[1]{%
377     \@bsphack
378     \begingroup
379       \HD@target
380       \let\index\HDorg@index
381       \let\HDorg@encapchar\encapchar
382       \edef\encapchar usage{%
383         \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
384       }%
385       \HDorg@autoindex{#1}%
386     \endgroup
387     \@esphack
388   }%
389 \pdfstringdefDisableCommands{\let\autoindex\@gobble }
390 \fi

```

3.16 \SpecialEnvIndex

```

\HDorg@SpecialEnvIndex
391 \let\HDorg@SpecialEnvIndex\SpecialEnvIndex

```

```

\SpecialEnvIndex
392 \renewcommand*\SpecialEnvIndex[1]{%
393   \@bsphack

```

```

394 \begingroup
395 \HD@target
396 \let\HDorg@encapchar\encapchar
397 \edef\encapchar usage{%
398 \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
399 }%
400 \HDorg@SpecialEnvIndex{#1}%
401 \endgroup
402 \@esphack
403 }

```

3.17 \SortIndex

\HDorg@SortIndex

```
404 \let\HDorg@SortIndex\SortIndex
```

\SortIndex

```

405 \renewcommand*{\SortIndex}[2]{%
406 \@bsphack
407 \begingroup
408 \let\index\HD@page@wrindex
409 \HDorg@SortIndex{#1}{#2}%
410 \endgroup
411 \@esphack
412 }

```

3.18 \@wrglossary

\HDorg@wrglossary

```
413 \let\HDorg@wrglossary\@wrglossary
```

\@wrglossary

```

414 \def\@wrglossary#1{%
415 \let\HDorg@encapchar\encapchar
416 \def\encapchar##1\encapchar##2\@nil{%
417 \HDorg@encapchar
418 hdpindex{##1}%
419 }%
420 \HDorg@wrglossary{#1\encapchar\encapchar\@nil}%
421 }

```

3.19 \MacroIndent

\MacroIndent automatically calculated.

```

422 \AfterLastShipout{%
423 \if@filesw
424 \immediate\write\@auxout{%
425 \string\providecommand\string\HD@SetMacroIndent[1]}%
426 }%
427 \immediate\write\@auxout{%
428 \string\HD@SetMacroIndent{\number\value{CodelineNo}}%
429 }%
430 \fi
431 }

```

`\HD@SetMacroIndent`

```
432 \def\HD@SetMacroIndent#1{%
433   \begingroup
434     \value{CodelineNo}=#1\relax
435     \settowidth{\MacroIndent}{\HD@org@theCodelineNo\ }%
436     \global\MacroIndent\MacroIndent
437   \endgroup
438 }

439 \</package>
```

4 Installation

4.1 Download

Package. This package is available on CTAN¹:

[CTAN:macros/latex/contrib/hypdoc/hypdoc.dtx](#) The source file.

[CTAN:macros/latex/contrib/hypdoc/hypdoc.pdf](#) Documentation.

4.2 Package installation

The best is to install the package with the package manager of your $\text{T}_{\text{E}}\text{X}$ 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 $\text{T}_{\text{E}}\text{X}$:

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

4.4 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.

¹[CTAN:pkg/hypdoc](#)

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`.

[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 `LATEX 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

[2022-07-03 v1.17]

- Restore definition of `active control-m` (issue 3)

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.

Symbols	E
<code>\</code>	<code>\encapchar</code>
<code>\@auxout</code>	288, 289,
<code>\@bsphack</code>	294, 300, 301, 305, 364, 365,
<code>\@empty</code>	381, 382, 396, 397, 415, 416, 420
<code>\@esphack</code>	<code>\endcsname</code>
<code>\@firstofone</code>	59, 60, 273, 309, 315, 373
<code>\@gobble</code>	F
<code>\@ifpackageloaded</code>	<code>\fileinfo</code>
<code>\@ifstar</code>	38
<code>\@ifundefined</code>	<code>\footnote</code>
<code>\@namedef</code>	44
<code>\@nameuse</code>	<code>\futurelet</code>
<code>\@nameuse</code>	171
<code>\@nil</code>	G
<code>\@pdfsubject</code>	<code>\g@addto@macro</code>
<code>\@undefined</code>	35, 143, 280, 283
<code>\@wrglossary</code>	<code>\glossary@prologue</code>
<code>\\</code>	192, 195
<code>_</code>	<code>\glossaryname</code>
<code>\^</code>	209, 210
	H
A	<code>\HD@@@bfseries</code>
<code>\active</code>	175, 178
<code>\addtolength</code>	<code>\HD@@bfseries</code>
220, 228	171, 172
<code>\advance</code>	<code>\HD@@guesstoclevel</code>
256, 345	67, 69
<code>\afterlastshipout</code>	<code>\HD@@sectionpatch</code>
153	52, 53, 58
<code>\and</code>	<code>\HD@bfseries</code>
48	148, 171
<code>\atbegindocument</code>	<code>\HD@codeline@wrindex</code>
215, 355	281, 286
<code>\autoindex</code>	<code>\HD@disable@writebookmark</code>
375, 376	55, 65
	<code>\HD@end</code>
B	67, 69
<code>\baselineskip</code>	<code>\HD@guesstoclevel</code>
181	66, 85, 92, 106, 119, 132, 150, 201
<code>\bfseries</code>	<code>\HD@helplength</code>
148, 170	212,
<code>\bibname</code>	255, 256, 257, 343, 344, 345, 348
133	<code>\HD@hfil</code>
	171, 174
C	<code>\HD@maketarget</code>
<code>\c@HD@hypercount</code>	258, 261, 264, 267
270, 273, 291, 366, 383, 398	<code>\HD@margin</code>
<code>\c@section</code>	182, 184, 189
80, 83	<code>\HD@next</code>
<code>\catcode</code>	269, 275, 278
220, 226, 228, 233	<code>\HD@numberedtrue</code>
<code>\changehistoryname</code>	6
202, 210	<code>\HD@page@wrindex</code>
<code>\closeout</code>	284, 298, 408
236	<code>\HD@savest@add</code>
<code>\codeline@wrindex</code>	240, 247, 311
293	<code>\HD@savest@entry</code>
<code>\CodelineIndex</code>	225, 243
280	<code>\HD@savest@init</code>
<code>\contentsname</code>	216, 219
86, 93	<code>\HD@savest@out</code>
<code>\count@</code>	234, 236, 238, 248
152, 153, 154	<code>\HD@savest@true</code>
<code>\cs</code>	214
45	<code>\HD@sectionpatch</code>
<code>\csname</code>	50, 96, 110, 123, 135, 142, 194
59, 60, 273, 309, 315, 373	<code>\HD@SetMacroIndent</code>
	425, 428, 432
D	<code>\HD@target</code>
<code>\DeclareOption</code>	252,
6	324, 335, 347, 351, 362, 379, 395
	<code>\HD@targetraisetrue</code>
	251
	<code>\HD@toclevel@index</code>
	150, 152, 162
	<code>\HD@toclevel@subindex</code>
	154, 183
	<code>\hdclindex</code>
	308
	<code>\HDorg@autoindex</code>
	375, 385
	<code>\HDorg@bfseries</code>
	170, 173
	<code>\HDorg@catcodeM</code>
	226, 233

<code>\HDorg@encapchar</code>		K	
..... 288, 290, 300, 302, 364, 366, 381, 383, 396, 398, 415, 417		<code>\kern</code>	182, 184
<code>\HDorg@glossary@prologue</code> 192, 201, 205		L	
<code>\HDorg@index</code>	305, 355, 363, 380	<code>\listfigurename</code>	107
<code>\HDorg@index@prologue</code>	140, 166	<code>\listoffigures</code>	101, 102
<code>\HDorg@listoffigures</code> ..	101, 106, 111	<code>\listoftables</code>	114, 115
<code>\HDorg@listoftables</code> ...	114, 119, 124	<code>\listtablename</code>	120
<code>\HDorg@M</code>	227, 232	<code>\llap</code>	270, 346
<code>\HDorg@MacroFont</code> ..	322, 325, 333, 336	M	
<code>\HDorg@PrintDescribeMacro</code> ..	319, 327	<code>\MacroFont</code>	322, 323, 333, 334
<code>\HDorg@PrintMacroName</code>	330, 338	<code>\MacroIndent</code>	344, 345, 435, 436
<code>\HDorg@SortIndex</code>	404, 409	N	
<code>\HDorg@SpecialEnvIndex</code>	391, 400	<code>\NeedsTeXFormat</code>	2
<code>\HDorg@SpecialUsageIndex</code>	358	<code>\newcounter</code>	31, 211
<code>\HDorg@tableofcontents</code>	76, 85, 87, 92, 97	<code>\newif</code>	5, 213, 250
<code>\HDorg@thebibliography</code> 127, 132, 136		<code>\newlength</code>	212
<code>\HDorg@theCodelineNo</code> 341, 343, 353, 435		<code>\newwrite</code>	234
<code>\HDorg@theglossary</code>	190, 207	<code>\normalfont</code>	46
<code>\HDorg@theindex</code>	138, 168	<code>\number</code>	33, 428
<code>\HDorg@tilde</code>	224, 231	<code>\numexpr</code>	10
<code>\HDorg@wrglossary</code>	413, 420	O	
<code>\HDorg@writebookmark</code>		<code>\openout</code>	238
..... 141, 146, 161, 193, 199		P	
<code>\hdpindeX</code>	314	<code>\PackageWarning</code>	14
<code>\headheight</code>	28	<code>\PageIndex</code>	283
<code>\headsep</code>	28	<code>\paperheight</code>	28
<code>\hfil</code>	174, 178, 187	<code>\pdfbookmark</code>	85, 92, 106, 119, 132, 162, 183, 201
<code>\hspace</code>	348	<code>\pdfstringdefDisableCommands</code> 42, 389	
<code>\Hy@UseMaketitleInfos</code>	35	<code>\PrintDescribeMacro</code>	319, 320
<code>\Hy@writebookmark</code>		<code>\PrintMacroName</code>	330, 331
..... 55, 141, 146, 161, 193, 199		<code>\ProcessOptions</code>	7
<code>\hypercalcbp</code>	27	<code>\providecommand</code>	209, 210, 425
<code>\hyperlink</code>	310	<code>\ProvidesPackage</code>	3
<code>\hyperpage</code>	316	R	
<code>\hypersetup</code>	21, 38	<code>\raisebox</code>	181, 257
<code>\hypertarget</code>	270	<code>\refname</code>	133
I		<code>\renewcommand</code>	32, 320, 331, 342, 359, 376, 392, 405
<code>\if@filesw</code>	423	<code>\RequirePackage</code>	8, 9, 11, 15, 218
<code>\ifcase</code>	83	<code>\RerunFileCheck</code>	235
<code>\ifdim</code>	344	S	
<code>\ifHD@numbered</code>	5, 51, 89, 103, 116, 129, 144, 157, 196	<code>\scshape</code>	47
<code>\ifHD@savedest</code>	213, 223, 272	<code>\section</code>	67
<code>\ifHD@targetraise</code>	250, 253	<code>\settoheight</code>	255
<code>\ifhmode</code>	254	<code>\settowidth</code>	343, 435
<code>\ifx</code> . 10, 37, 174, 179, 273, 309, 315, 373		<code>\SortIndex</code>	404, 405
<code>\immediate</code> ...	236, 238, 248, 424, 427	<code>\special@index</code>	281, 284
<code>\index</code>	356, 363, 380, 408	<code>\SpecialEnvIndex</code>	391, 392
<code>\index@prologue</code>	140, 150, 156	<code>\SpecialUsageIndex</code>	358, 359
<code>\indexname</code>	163	<code>\stepcounter</code>	84, 91, 105, 118, 131, 160, 200, 268
<code>\IndexParms</code>	143		
<code>\InputIfFileExists</code>	230		
J			
<code>\jobname</code>	230, 235, 238		

T		32, 86, 93, 107, 120, 133, 163, 202
<code>\tableofcontents</code>	76, <u>77</u>	<code>\theindex</code>
<code>\textbackslash</code>	45	<code>\topmargin</code>
<code>\thanks</code>	43	
<code>\the</code> 154, 226, 270, 273, 291, 366, 383, 398		V
<code>\thebibliography</code>	127, <u>128</u>	<code>\value</code>
<code>\theCodelineNo</code>	341, <u>342</u>	
<code>\theglossary</code>	190, <u>191</u>	W
<code>\theHD@unique</code>		<code>\write</code>