The hypdoc package

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Abstract

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

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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 pdfLaTeX.

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

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

2.3 Example source2e.tex

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

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

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

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

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

3 Implementation

```
1 ⟨*package⟩
2 \NeedsTeXFormat{LaTeX2e}
3 \ProvidesPackage{hypdoc}%
4   [2016/05/16 v1.12 Hyper extensions for doc.sty (HO)]%
```

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

For unique command names this package uses HD@ as prefix

3.1 Options

\ifHD@numbered

```
5 \newif\ifHD@numbered

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

3.2 Package loading

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

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

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

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

\theHD@unique

```
\renewcommand{\theHD@unique}{%
  \number\value{HD@unique}%
}
\g@addto@macro\Hy@UseMaketitleInfos{%
  \@ifundefined{fileinfo}{}{%
    \ifx\@pdfsubject\@empty
      \hypersetup{pdfsubject={\fileinfo}}%
    \fi
  }%
}
\pdfstringdefDisableCommands{%
  \let\thanks\@gobble
  \let\footnote\@gobble
  \def\cs#1{\textbackslash #1}%
  \let\normalfont\@empty
  \let\scshape\@empty
  \def\and{and }%
}
```

3.2.1 Patch for bug latex/4096

```
\begingroup\expandafter\expandafter\expandafter\endgroup
\expandafter\ifx\csname mod@math@codes\endcsname\relax
\else
  \def\HD@ModFix#1{%
    \mathcode`#1=`#1\relax
  }%
  \g@addto@macro\mod@math@codes{%
    \HD@ModFix\-%
    \HD@ModFix\+%
    \HD@ModFix\:%
    \HD@ModFix\=%
    \HD@ModFix\*%
  }%
\fi
```

3.3 Bookmarks

\HD@sectionpatch

```
\def\HD@sectionpatch{%
  \ifHD@numbered
    \HD@@sectionpatch{section}%
    \HD@@sectionpatch{chapter}%
  \else
    \let\Hy@writebookmark\HD@disable@writebookmark
  \fi
}
```

\HD@@sectionpatch

```
\def\HD@@sectionpatch#1{%
  \expandafter\let\csname HDorg@@#1\expandafter\endcsname
    \csname #1\endcsname
  \@namedef{#1}{%
    \@ifstar{\@nameuse{HDorg@@#1}}{\@nameuse{HDorg@@#1}}%
  }%
}
```

\HD@disable@writebookmark

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

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

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

\HD@@guesstoclevel

```
\def\HD@@guesstoclevel#1#2\HD@end{%
  \@ifundefined{toclevel@\expandafter\@gobble\string#1\@empty}{%
    1%
  }{%
    \@nameuse{toclevel@\expandafter\@gobble\string#1\@empty}%
  }%
}
```

3.4 \tableofcontents

\HDorg@tableofcontents

```
\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.

```
\def\tableofcontents{%
  \begingroup
    \@ifundefined{c@section}{%
      \def\c@section{0}%
    }{}%
  \expandafter\endgroup
  \ifcase\c@section
    \stepcounter{HD@unique}%
    \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]%
       {\contentsname}{toc\theHD@unique}%
    \HDorg@tableofcontents
  \else
    \ifHD@numbered
    \else
      \stepcounter{HD@unique}%
      \pdfbookmark[\HD@guesstoclevel{\HDorg@tableofcontents}]%
         {\contentsname}{toc\theHD@unique}%
    \fi
    \begingroup
      \HD@sectionpatch
      \HDorg@tableofcontents
    \endgroup
  \fi
}
```

3.5 \listoffigures

\HDorg@listoffigures

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

\listoffigures

```
\def\listoffigures{%
  \ifHD@numbered
  \else
    \stepcounter{HD@unique}%
    \pdfbookmark[\HD@guesstoclevel{\HDorg@listoffigures}]%
       {\contentsname}{toc\theHD@unique}%
  \fi
  \begingroup
```

```
    \HD@sectionpatch
    \HDorg@listoffigures
  \endgroup
}
```

3.6 \listoftables

\HDorg@listoftables

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

\listoftables

```
\def\listoftables{%
  \ifHD@numbered
  \else
    \stepcounter{HD@unique}%
    \pdfbookmark[\HD@guesstoclevel{\HDorg@listoftables}]%
       {\contentsname}{toc\theHD@unique}%
  \fi
  \begingroup
    \HD@sectionpatch
    \HDorg@listoftables
  \endgroup
}
```

3.7 \thebibliography

\HDorg@thebibliography

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

\thebibliography

```
\def\thebibliography{%
  \ifHD@numbered
  \else
    \stepcounter{HD@unique}%
    \pdfbookmark[\HD@guesstoclevel{\HDorg@thebibliography}]%
      {\@ifundefined{chapter}{\refname}{\bibname}}{bib\theHD@unique}%
  \fi
  \HD@sectionpatch
  \HDorg@thebibliography
}
```

3.8 \theindex

\HDorg@theindex

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

\theindex

```
\def\theindex{%
  \let\HDorg@index@prologue\index@prologue
  \let\HDorg@writebookmark\Hy@writebookmark
  \HD@sectionpatch
  \g@addto@macro\IndexParms{%
    \ifHD@numbered
    \else
      \let\Hy@writebookmark\HDorg@writebookmark
    \fi
    \let\bfseries\HD@bfseries
  }%
  \edef\HD@toclevel@index{\HD@guesstoclevel{\index@prologue}}%
  \begingroup
    \count@=\HD@toclevel@index\relax
```

```
    \advance\count@ by 1 %
    \xdef\HD@toclevel@subindex{\the\count@}%
  \endgroup
  \def\index@prologue{%
    \ifHD@numbered
    \else
      \begingroup
        \stepcounter{HD@unique}%
        \let\Hy@writebookmark\HDorg@writebookmark
        \pdfbookmark[\HD@toclevel@index]%
            {\indexname}{index\theHD@unique}%
      \endgroup
    \fi
    \HDorg@index@prologue
  }%
  \HDorg@theindex
}
```

\HDorg@bfseries

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

\HD@bfseries

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

\HD@@bfseries

```
\def\HD@@bfseries{%
  \HDorg@bfseries
  \ifx\HD@hfil\hfil
    \expandafter\HD@@@bfseries
  \fi
}
```

\HD@@@bfseries

```
\def\HD@@@bfseries\hfil#1\hfil{%
  \ifx\\#1\\%
  \else
    \raisebox{\baselineskip}[0pt]{%
      \kern-\HD@margin\relax
      \pdfbookmark[\HD@toclevel@subindex]{#1}{HD.#1}%
      \kern\HD@margin\relax
    }%
  \fi
  \hfil#1\hfil
}%
```

\HD@margin

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

3.9 \theglossary

\HDorg@theglossary

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

\theglossary

```
\def\theglossary{%
  \let\HDorg@glossary@prologue\glossary@prologue
  \let\HDorg@writebookmark\Hy@writebookmark
  \HD@sectionpatch
  \def\glossary@prologue{%
    \ifHD@numbered
    \else
```

```
    \begingroup
      \let\Hy@writebookmark\HDorg@writebookmark
      \stepcounter{HD@unique}%
      \pdfbookmark[\HD@guesstoclevel{\HDorg@glossary@prologue}]%
          {\glossaryname}{glossary\theHD@unique}%
    \endgroup
   \fi
   \HDorg@glossary@prologue
  }%
  \HDorg@theglossary
}
```

\glossaryname

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

3.10 Index

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

\HD@helplength

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

\ifHD@savedest

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

\AtBeginDocument{%
  \HD@savedest@init
}
\RequirePackage{rerunfilecheck}[2009/12/10]
```

\HD@savedest@init

```
\begingroup
  \catcode`\^^M=\active
\@firstofone{\endgroup
  \def\HD@savedest@init{%
    \ifHD@savedest
      \let\HDorg@tilde~%
      \let~\HD@savedest@entry
      \edef\HDorg@catcodeM{\the\catcode`\^^M}%
      \catcode`\^^M=\active
      \def^^M{}%
      \InputIfFileExists{\jobname.hd}{}{}%
      \let~\HDorg@tilde
      \catcode`\^^M=\HDorg@catcodeM\relax
      \newwrite\HD@savedest@out
      \RerunFileCheck{\jobname.hd}{%
        \immediate\closeout\HD@savedest@out
      }{}%
      \immediate\openout\HD@savedest@out=\jobname.hd\relax
    \else
      \let\HD@savedest@add\@gobble
    \fi
  }%
```

\HD@savedest@entry

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

\HD@savedest@add

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

\ifHD@targetraise

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

\HD@target

```
\def\HD@target{%
  \ifHD@targetraise
    \ifhmode
      \settoheight{\HD@helplength}{[H]}%
      \addtolength{\HD@helplength}{0.4ex}%
      \raisebox{\HD@helplength}[0pt][0pt]{%
        \HD@maketarget
      }%
    \else
      \HD@maketarget
    \fi
  \else
    \HD@maketarget
  \fi
}
```

\HD@maketarget

```
\def\HD@maketarget{%
  \stepcounter{HD@hypercount}%
  \def\HD@next{%
    \llap{\hypertarget{HD.\the\c@HD@hypercount}{}\,}%
  }%
  \ifHD@savedest
    \expandafter\ifx\csname HD.\the\c@HD@hypercount\endcsname\@empty
    \else
      \let\HD@next\relax
    \fi
  \fi
  \HD@next
}
```

\CodelineIndex

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

\PageIndex

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

\HD@codeline@wrindex

```
\def\HD@codeline@wrindex#1{%
  \begingroup
    \let\HDorg@encapchar\encapchar
    \def\encapchar##1\encapchar##2\@nil{%
      \HDorg@encapchar
      hdclindex{\the\c@HD@hypercount}{##1}%
    }%
    \codeline@wrindex{%
      #1\encapchar\encapchar\@nil
    }%
```

```
  \endgroup
}
```

\HD@page@wrindex

```
\def\HD@page@wrindex#1{%
  \begingroup
    \let\HDorg@encapchar\encapchar
    \def\encapchar##1\encapchar##2\@nil{%
      \HDorg@encapchar
      hdpindex{##1}%
    }%
    \HDorg@index{#1\encapchar\encapchar\@nil}%
  \endgroup
}
```

\hdclindex

```
\def\hdclindex#1#2#3{%
  \csname\ifx\\#2\\relax\else#2\fi\endcsname{%
    \hyperlink{HD.#1}{#3}%
    \HD@savedest@add{#1}%
  }%
}
```

\hdpindex

```
\def\hdpindex#1#2{%
  \csname\ifx\\#1\\relax\else#1\fi\endcsname{%
    \hyperpage{#2}%
  }%
}
```

3.11 \PrintDescribeMacro

\HDorg@PrintDescribeMacro

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

\PrintDescribeMacro

```
\renewcommand\PrintDescribeMacro[1]{%
  \begingroup
    \let\HDorg@MacroFont\MacroFont
    \def\MacroFont{%
      \HD@target
      \HDorg@MacroFont
    }%
    \HDorg@PrintDescribeMacro{#1}%
  \endgroup
}
```

3.12 \PrintMacroName

\HDorg@PrintMacroName

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

\PrintMacroName

```
\renewcommand\PrintMacroName[1]{%
  \begingroup
    \let\HDorg@MacroFont\MacroFont
    \def\MacroFont{%
      \HD@target
      \HDorg@MacroFont
    }%
    \HDorg@PrintMacroName{#1}%
  \endgroup
}
```

3.13 \theCodelineNo

\HDorg@theCodelineNo

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

\theCodelineNo

```
\renewcommand*\theCodelineNo{%
  \settowidth{\HD@helplength}{\HDorg@theCodelineNo\ }%
  \ifdim\HD@helplength<\MacroIndent
    \addtolength{\HD@helplength}{-\MacroIndent}%
    \llap{%
      \begingroup\HD@target\endgroup
      \hspace*{-\HD@helplength}%
    }%
  \else
    \HD@target
  \fi
  \HDorg@theCodelineNo
}
```

\HDorg@index

```
\AtBeginDocument{%
  \let\HDorg@index\index
}
```

3.14 \SpecialUsageIndex

\HDorg@SpecialUsageIndex

```
\let\HDorg@SpecialUsageIndex\SpecialUsageIndex
\renewcommand*\SpecialUsageIndex[1]{%
  \@bsphack
  \begingroup
    \HD@target
    \let\index\HDorg@index
    \let\HDorg@encapchar\encapchar
    \edef\encapchar usage{%
      \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
    }%
    \HDorg@SpecialUsageIndex{#1}%
  \endgroup
  \@esphack
}
```

3.15 \autoindex

```
\begingroup\expandafter\expandafter\expandafter\endgroup
\expandafter\ifx\csname autoindex\endcsname\relax
\else
```

\HDorg@autoindex

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

\autoindex

```
  \renewcommand*\autoindex[1]{%
    \@bsphack
    \begingroup
      \HD@target
      \let\index\HDorg@index
      \let\HDorg@encapchar\encapchar
      \edef\encapchar usage{%
        \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
      }%
```

```
      \HDorg@autoindex{#1}%
    \endgroup
    \@esphack
  }%
\fi
```

3.16 \SpecialEnvIndex

\HDorg@SpecialEnvIndex

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

\SpecialEnvIndex

```
\renewcommand*\SpecialEnvIndex[1]{%
  \@bsphack
  \begingroup
    \HD@target
    \let\HDorg@encapchar\encapchar
    \edef\encapchar usage{%
      \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
    }%
    \HDorg@SpecialEnvIndex{#1}%
  \endgroup
  \@esphack
}
```

3.17 \SortIndex

\HDorg@SortIndex

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

\SortIndex

```
\renewcommand*{\SortIndex}[2]{%
  \@bsphack
  \begingroup
    \let\index\HD@page@wrindex
    \HDorg@SortIndex{#1}{#2}%
  \endgroup
  \@esphack
}
```

3.18 \@wrglossary

\HDorg@wrglossary

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

\@wrglossary

```
\def\@wrglossary#1{%
  \let\HDorg@encapchar\encapchar
  \def\encapchar##1\encapchar##2\@nil{%
    \HDorg@encapchar
    hdpindex{##1}%
  }%
  \HDorg@wrglossary{#1\encapchar\encapchar\@nil}%
}
```

3.19 \MacroIndent

\MacroIndent automatically calculated.

```
\AfterLastShipout{%
  \if@filesw
```

```
    \immediate\write\@auxout{%
      \string\providecommand\string\HD@SetMacroIndent[1]{}%
    }%
    \immediate\write\@auxout{%
      \string\HD@SetMacroIndent{\number\value{CodelineNo}}%
    }%
  \fi
}
```

\HD@SetMacroIndent

```
\def\HD@SetMacroIndent#1{%
  \begingroup
    \value{CodelineNo}=#1\relax
    \settowidth{\MacroIndent}{\HDorg@theCodelineNo\ }%
    \global\MacroIndent\MacroIndent
  \endgroup
}
```

⟨/package⟩

4 Installation

4.1 Download

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

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

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

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

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

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

4.2 Bundle installation

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

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

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

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

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
```

[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 TEX distribution (teTEX, mikTEX, ...) relies on file name databases, you must refresh these. For example, teTEX users run texhash or mktexlsr.

4.5 Some details for the interested

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

plain TEX: Run docstrip and extract the files.

LATEX: Generate the documentation.

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

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

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

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

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

An example follows how to generate the documentation with pdfLATEX:

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

5 Catalogue

The following XML file can be used as source for the TEX 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.

```
⟨*catalogue⟩
<?xml version='1.0' encoding='us-ascii'?>
<!DOCTYPE entry SYSTEM 'catalogue.dtd'>
<entry datestamp='$Date$' modifier='$Author$' id='hypdoc'>
  <name>hypdoc</name>
  <caption>Hyper extensions for doc.sty.</caption>
  <authorref id='auth:oberdiek'/>
  <copyright owner='Heiko Oberdiek' year='2002,2006,2007,2009-2011'/>
  <license type='lppl1.3'/>
  <version number='1.12'/>
  <description>
```

```
    This package adds hypertext features to the package
    <xref refid='doc'>doc</xref> that is used in the documentation
    system of <xref refid='latex'>LaTeX2e</xref>. Bookmarks are added
    and references are linked as far as possible.
    <p/>
    The package is part of the <xref refid='oberdiek'>oberdiek</xref>
    bundle.
  </description>
  <documentation details='Package documentation'
      href='ctan:/macros/latex/contrib/oberdiek/hypdoc.pdf'/>
  <ctan file='true' path='/macros/latex/contrib/oberdiek/hypdoc.dtx'/>
  <miktex location='oberdiek'/>
  <texlive location='oberdiek'/>
  <install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip'/>
</entry>
⟨/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 LaTeX 2011/06/27 with the new `\in@`.

[2016/05/16 v1.12]

- Documentation updates.

7 Index

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

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