

The holtxdoc package

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Abstract

The package is used for the documentation of my packages in DTX format. It contains some private macros and setup for my needs. Thus do not use it. I have separated the part that may be useful for others in package hypdoc.

Contents

1	No usage	1
2	Implementation	2
2.1	Help macros	2
2.2	History	2
2.3	Formatting macros	2
2.4	Names	4
2.5	Setup	4
2.5.1	Package doc	4
2.5.2	Page layout	4
3	Installation	5
3.1	Download	5
3.2	Bundle installation	5
3.3	Package installation	5
3.4	Refresh file name databases	5
3.5	Some details for the interested	6
4	History	6
[1999/06/26 v0.3]		6
[2000/08/14 v0.4]		6
[2001/08/27 v0.5]		6
[2001/09/02 v0.6]		6
[2006/06/02 v0.7]		6
[2007/10/21 v0.8]		6
5	Index	7

1 No usage

Caution: *This package is not intended for public use!*

It contains the macros and settings to generate the documentation of my packages in `CTAN:macros/latex/contrib/oberdiek/`. Thus the package does not know anything about compatibility. Only my current packages' documentation must compile.

Older versions were more interesting, because they contained code to add `hyperref`'s features to `LATEX`'s doc system, e.g. bookmarks and index links. I separated this stuff and made a new package `hypdoc`.

2 Implementation

```

1 (*package)
Package identification.
2 \NeedsTeXFormat{LaTeX2e}
3 \ProvidesPackage{holtxdoc}%
4   [2007/10/21 v0.8 Private additional ltxdoc support (H0)]
5 \RequirePackage[numbered]{hypdoc}
6 \RequirePackage{array}

```

2.1 Help macros

```

7 \def\hld@info#1{%
8   \PackageInfo{holtxdoc}{#1@gobble}%
9 }
10 \def\hld@warn#1{%
11   \PackageWarningNoLine{holtxdoc}{#1}%
12 }

```

2.2 History

```

13 \newcommand*\StartHistory{%
14   \section{History}%
15 }
16 \newcommand*\HistVersion[1]{%
17   \subsection*{%
18     \phantomsection
19     \addcontentsline{toc}{subsection}{[#1]}% hash-ok
20     [#1]% hash-ok
21   }%
22   \def\HistLabel##1{%
23     \begingroup
24       \edef\x{[#1]}% hash-ok
25       \let\@currentlabel\x
26       \label{##1}%
27     \endgroup
28   }%
29 }
30 \newenvironment{History}{%
31   \StartHistory
32   \def\Version##1{%
33     \HistVersion{##1}%
34     \itemize
35   }%
36   \let\endVersion\enditemize
37 }{}

```

2.3 Formatting macros

```

\UrlFoot
#1: text
#2: url

38 \newcommand{\URL}[2]{%
39   #1\footnote{Url: \url{#2}}%
40 }

\NameEmail
#1: name
#2: email address

```

```

41 \newcommand*{\NameEmail}[2]{%
42   \expandafter\hld@NameEmail\expandafter{#2}{#1}%
43 }
44 \def\hld@NameEmail#1#2{%
45   \expandafter\hld@@NameEmail\expandafter{#2}{#1}%
46 }
47 \def\hld@@NameEmail#1#2{%
48   \ifx\\#1#2\\%
49     \hld@warn{%
50       Command \string\NameEmail\space without name and email%
51     }%
52   \else
53     \ifx\\#1\\%
54       \href{mailto:#2}{\nolinkurl{#2}}%
55     \else
56       #1%
57     \ifx\\#2\\%
58     \else
59       \footnote{%
60         #1's email address: %
61         \href{mailto:#2}{\nolinkurl{#2}}%
62       }%
63     \fi
64   \fi
65 \fi
66 }

67 \newcommand*{\Package}[1]{\texttt{#1}}
68 \newcommand*{\File}[1]{\texttt{#1}}
69 \newcommand*{\Verb}[1]{\texttt{#1}}
70 \newcommand*{\CS}[1]{\texttt{\expandafter\@gobble\string\#1}}

71 \newcommand*{\CTAN}[1]{%
72   \href{ftp://ftp.ctan.org/tex-archive/#1}{\nolinkurl{CTAN:#1}}%
73 }

74 \newcommand*{\Newsgroup}[1]{%
75   \href{http://groups.google.com/group/#1}{\nolinkurl{news:#1}}%
76 }

77 \newcommand*{\xpackage}[1]{\textsf{#1}}
78 \newcommand*{\xclass}[1]{\textsf{#1}}
79 \newcommand*{\xoption}[1]{\textsf{#1}}
80 \newcommand*{\xfile}[1]{\texttt{#1}}
81 \newcommand*{\xext}[1]{\texttt{.#1}}
82 \newcommand*{\xemail}[1]{%
83   \textless\texttt{#1}\textgreater%
84 }
85 \newcommand*{\xnewsgroup}[1]{\texttt{#1}}

```

The following environment declcs is derived from environment decl of ltxguide.cls:

```

86 \newenvironment{declcs}[1]{%
87   \par
88   \addvspace{4.5ex plus 1ex}%
89   \vskip -\parskip
90   \noindent
91   \hspace{-\leftmargin}%
92   \def\M##1{\texttt{\{}\meta{##1}\texttt{\}}}%
93   \def\*{\unskip\,\texttt{*}}%
94   \begin{tabular}{|l|}%
95     \hline
96     \expandafter\SpecialUsageIndex\csname #1\endcsname
97     \cs{#1}%
98 }{%

```

```

99      \\\%
100     \hline
101     \end{tabular}%
102     \nobreak
103     \par
104     \nobreak
105     \vspace{2.3ex}%
106     \vskip -\parskip
107     \noindent
108     \ignorespacesafterend
109 }

```

2.4 Names

```

110 \providecommand*\eTeX{\mbox{$\varepsilon$-\TeX}}
111 \providecommand*\pdfTeX{\pdf\TeX}
112 \providecommand*\pdfLaTeX{\pdf\LaTeX}
113 \def\@temp#1#2{%
114     \providecommand*{#1}{%
115         \begingroup
116         X%
117         \@ifundefined{rotatebox}{e}{%
118             \lower0.5ex\hbox{%
119                 \setbox0=\hbox{E}%
120                 \dimen0=\ht0 %
121                 \advance\dimen0 by \dp0 %
122                 \raise\dimen0\hbox{\rotatebox{180}{\box0}}}%
123             }%
124         }%
125         #2%
126     \endgroup
127 }%
128 }
129 \@temp\XeTeX\TeX
130 \@temp\XeLaTeX\LaTeX
131 \providecommand*\teTeX{te\TeX}
132 \providecommand*\mikTeX{mik\TeX}
133 \providecommand*\MakeIndex{\textsl{MakeIndex}}
134 \providecommand*\docstrip{\textsf{docstrip}}
135 \providecommand*\plainTeX{\mbox{plain-\TeX}}
136 \providecommand*\VTeX{V\TeX}

```

2.5 Setup

2.5.1 Package doc

```

137 \CodelineIndex
138 \EnableCrossrefs
139 \setcounter{IndexColumns}{2}

140 \DoNotIndex{\begingroup,\endgroup,\bgroup,\egroup}
141 \DoNotIndex{\def,\edef,\xdef,\global,\long,\let}
142 \DoNotIndex{\expandafter,\noexpand,\string}
143 \DoNotIndex{\else,\fi,\or}
144 \DoNotIndex{\relax}

```

2.5.2 Page layout

```

145 \addtolength{\textheight}{\headheight}
146 \addtolength{\textheight}{\headsep}
147 \setlength{\headheight}{0pt}
148 \setlength{\headsep}{0pt}

149 \addtolength{\topmargin}{-10mm}
150 \addtolength{\textheight}{20mm}

```

151 `\package`

3 Installation

3.1 Download

Package. This package is available on CTAN¹:

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

[CTAN:macros/latex/contrib/oberdiek/holtxdoc.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:macros/latex/contrib/oberdiek/oberdiek-tds.zip](#)

TDS refers to the standard “A Directory Structure for T_EX Files” ([CTAN:tds/tds.pdf](#)). Directories with `texmf` in their name are usually organized this way.

3.2 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/
```

3.3 Package installation

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

```
tex holtxdoc.dtx
```

TDS. Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
holtxdoc.sty → tex/latex/oberdiek/holtxdoc.sty
holtxdoc.pdf → doc/latex/oberdiek/holtxdoc.pdf
holtxdoc.dtx → source/latex/oberdiek/holtxdoc.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.

3.4 Refresh file name databases

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

¹<http://ftp.ctan.org/tex-archive/>

3.5 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 holtxdoc.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{holtxdoc.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 holtxdoc.dtx
makeindex -s gind.ist holtxdoc.idx
pdflatex holtxdoc.dtx
makeindex -s gind.ist holtxdoc.idx
pdflatex holtxdoc.dtx
```

4 History

[1999/06/26 v0.3]

- ...

[2000/08/14 v0.4]

- ...

[2001/08/27 v0.5]

- ...

[2001/09/02 v0.6]

- ...

[2006/06/02 v0.7]

- Major change: most is put into a new package `hypdoc`.

[2007/10/21 v0.8]

- `\XeTeX` and `\XeLaTeX` added.

5 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			
*	93	\href	54, 61, 72, 75
\,	93	\hspace	91
\@currentlabel	25	\ht	120
\@gobble	8, 70	I	
\@ifundefined	117	\ifx	48, 53, 57
\@temp	113, 129, 130	\ignorespacesafterend	108
\\	48, 53, 57, 70, 99	\itemize	34
\{	92	L	
\}	92	\label	26
A		\LaTeX	112, 130
\addcontentsline	19	\leftmargini	91
\addtolength	145, 146, 149, 150	\lower	118
\addvspace	88	M	
\advance	121	\M	92
B		\MakeIndex	133
\begin	94	\mbox	110, 135
\box	122	\meta	92
C		\miktex	132
\CodelineIndex	137	N	
\CS	70	\NameEmail	41, 50
\cs	97	\NeedsTeXFormat	2
\csname	96	\newcommand	13, 16, 38, 41, 67, 68, 69, 70, 71, 74, 77, 78, 79, 80, 81, 82, 85
\CTAN	71	\newenvironment	30, 86
D		\Newsgroup	74
\dimen	120, 121, 122	\nobreak	102, 104
\docstrip	134	\noindent	90, 107
\DoNotIndex	140, 141, 142, 143, 144	\nolinkurl	54, 61, 72, 75
\dp	121	P	
E		\Package	67
\EnableCrossrefs	138	\PackageInfo	8
\end	101	\PackageWarningNoLine	11
\endcsname	96	\par	87, 103
\enditemize	36	\parskip	89, 106
\endVersion	36	\pdfLaTeX	112
\eTeX	110	\pdfTeX	111
F		\phantomsection	18
\File	68	\plainTeX	135
\footnote	39, 59	\providecommand	110, 111, 112, 114, 131, 132, 133, 134, 135, 136
H		\ProvidesPackage	3
\hbox	118, 119, 122	R	
\headheight	145, 147	\raise	122
\headsep	146, 148	\RequirePackage	5, 6
\HistLabel	22	\rotatebox	122
\HistVersion	16, 33	S	
\hld@NameEmail	45, 47	\section	14
\hld@info	7	\setbox	119
\hld@NameEmail	42, 44	\setcounter	139
\hld@warn	10, 49	\setlength	147, 148
\hline	95, 100		

\space	50	V	
\SpecialUsageIndex	96	\varepsilon	110
\StartHistory	13, 31	\Verb	69
\subsection	17	\Version	32
T		\vskip	89, 106
\teTeX	131	\vspace	105
\TeX ..	110, 111, 129, 131, 132, 135, 136	\VTeX	136
\textgreater	83	X	
\textheight	145, 146, 150	\x	24, 25
\textless	83	\xclass	78
\textsf	77, 78, 79, 134	\XeLaTeX	130
\textsl	133	\xemail	82
\texttt	67,	\XeTeX	129
	68, 69, 70, 80, 81, 83, 85, 92, 93	\xext	81
\topmargin	149	\xfile	80
U		\xnewsgroup	85
\unskip	93	\xoption	79
\URL	38	\xpackage	77
\url	39		