

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	2
2	Implementation	2
2.1	Help macros	2
2.2	Date	2
2.3	History	3
2.4	Formatting macros	3
2.5	Names	5
2.6	Setup	5
2.6.1	Package doc	5
2.6.2	Page layout	5
3	Installation	5
3.1	Download	5
3.2	Bundle installation	6
3.3	Package installation	6
3.4	Refresh file name databases	6
3.5	Some details for the interested	6
4	History	7
[1999/06/26 v0.3]		7
[2000/08/14 v0.4]		7
[2001/08/27 v0.5]		7
[2001/09/02 v0.6]		7
[2006/06/02 v0.7]		7
[2007/10/21 v0.8]		7
[2007/11/11 v0.9]		7
[2007/12/12 v0.10]		7
[2008/08/11 v0.11]		8
[2009/08/07 v0.12]		8
[2009/12/02 v0.13]		8
[2010/02/03 v0.14]		8
[2010/03/10 v0.15]		8
[2010/04/03 v0.16]		8
[2010/04/08 v0.17]		8
5	Index	8

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 L^AT_EX'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   [2010/04/08 v0.17 Private additional ltxdoc support (HO)]
5 \PassOptionsToPackage{pdfencoding=auto}{hyperref}
6 \RequirePackage[numbered]{hypdoc}[2010/03/26]
7 \RequirePackage{hyperref}[2010/03/30]
8 \RequirePackage{pdftexcmds}[2010/04/01]
9 \RequirePackage{ltxcmds}[2010/03/09]
10 \RequirePackage{hologo}[2010/04/08]
11 \RequirePackage{array}
```

2.1 Help macros

```
12 \def\hld@info#1{%
13   \PackageInfo{holtxdoc}{#1@gobble}%
14 }
15 \def\hld@warn#1{%
16   \PackageWarningNoLine{holtxdoc}{#1}%
17 }
```

2.2 Date

```
18 \ltx@ifundefined{pdf@filemoddate}{%
19 }{%
20   \edef\hld@temp{\pdf@filemoddate{\jobname.dtx}}%
21   \ifx\hld@temp\ltx@empty
22     \else
23       \begingroup
24         \def\x#1:#2#3#4#5#6#7#8#9{%
25           \year=#2#3#4#5\relax
26           \month=#6#7\relax
27           \day=#8#9\relax
28           \y
29         }%
30         \def\y#1#2#3#4#5@nil{%
31           \time=#1#2\relax
32           \multiply\time by 60\relax
33           \advance\time#3#4\relax
34         }%
35         \expandafter\x\hld@temp@nil
36         \edef\x{\endgroup
37           \year=\the\year\relax
38           \month=\the\month\relax
39           \day=\the\day\relax
40           \time=\the\time\relax
41         }%
42       \x
```

```

43     \edef\hld@temp{%
44         \noexpand\hypersetup{%
45             pdfcreationdate=\hld@temp,%
46             pdfmoddate=\hld@temp
47         }%
48     }%
49     \hld@temp
50 \fi
51 }

```

2.3 History

```

52 \newcommand*\StartHistory{%
53     \section{History}%
54 }
55 \@ifpackagelater{hyperref}{2009/11/27}{%
56     \newcommand*\HistVersion{1}%
57     \subsection*{[1]}% hash-ok
58     \addcontentsline{toc}{subsection}{[1]}% hash-ok
59     \def\HistLabel##1{%
60         \begingroup
61         \edef\@currentlabel{[1]}% hash-ok
62         \label{##1}%
63     \endgroup
64     }%
65 }%
66 }{%
67     \newcommand*\HistVersion{1}%
68     \subsection*{%
69         \phantomsection
70         \addcontentsline{toc}{subsection}{[1]}% hash-ok
71         [1]% hash-ok
72     }%
73     \def\HistLabel##1{%
74         \begingroup
75         \edef\@currentlabel{[1]}% hash-ok
76         \label{##1}%
77     \endgroup
78     }%
79 }%
80 }
81 \newenvironment{History}{%
82     \StartHistory
83     \def\Version##1{%
84         \HistVersion{##1}%
85         \itemize
86     }%
87     \let\endVersion\enditemize
88 }{}

```

2.4 Formatting macros

```

\UrlFoot
#1: text
#2: url

89 \newcommand{\URL}[2]{%
90     \begingroup
91     \def\link{\href{#2}}%
92     #1%
93 \endgroup
94 \footnote{Url: \url{#2}}%
95 }

```

```

\NameEmail
#1: name
#2: email address

96 \newcommand*{\NameEmail}[2]{%
97   \expandafter\hld@NameEmail\expandafter{#2}{#1}%
98 }
99 \def\hld@NameEmail#1#2{%
100   \expandafter\hld@@NameEmail\expandafter{#2}{#1}%
101 }
102 \def\hld@@NameEmail#1#2{%
103   \ifx\\#1#2\\%
104     \hld@warn{%
105       Command \string\NameEmail\space without name and email%
106     }%
107   \else
108     \ifx\\#1\\%
109       \href{mailto:#2}{\nolinkurl{#2}}%
110     \else
111       #1%
112       \ifx\\#2\\%
113       \else
114         \footnote{%
115           #1's email address: %
116           \href{mailto:#2}{\nolinkurl{#2}}%
117         }%
118       \fi
119     \fi
120   \fi
121 }

122 \newcommand*{\Package}[1]{\texttt{#1}}
123 \newcommand*{\File}[1]{\texttt{#1}}
124 \newcommand*{\Verb}[1]{\texttt{#1}}
125 \newcommand*{\CS}[1]{\texttt{\expandafter\@gobble\string\#1}}

126 \newcommand*{\CTAN}[1]{%
127   \href{ftp://ftp.ctan.org/tex-archive/#1}{\nolinkurl{CTAN:#1}}%
128 }

129 \newcommand*{\Newsgroup}[1]{%
130   \href{http://groups.google.com/group/#1/topics}{\nolinkurl{news:#1}}%
131 }

132 \newcommand*{\xpackage}[1]{\textsf{#1}}
133 \newcommand*{\xmodule}[1]{\textsf{#1}}
134 \newcommand*{\xclass}[1]{\textsf{#1}}
135 \newcommand*{\xoption}[1]{\textsf{#1}}
136 \newcommand*{\xfile}[1]{\texttt{#1}}
137 \newcommand*{\xext}[1]{\texttt{.#1}}
138 \newcommand*{\xemail}[1]{%
139   \textless\texttt{#1}\textgreater%
140 }
141 \newcommand*{\xnewsgroup}[1]{%
142   \href{news:#1}{\nolinkurl{#1}}%
143 }

```

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

```

144 \newenvironment{declcs}[1]{%
145   \par
146   \addvspace{4.5ex plus 1ex}%
147   \vskip -\parskip
148   \noindent
149   \hspace{-\leftmargin}%
150   \def\M##1{\texttt{\{}\meta{##1}\texttt{\}}}%

```

```

151 \def\*{\unskip\,\texttt{*}}%
152 \begin{tabular}{|l|}%
153 \hline
154 \expandafter\SpecialUsageIndex\csname #1\endcsname
155 \cs{#1}%
156 }-%
157 \\%
158 \hline
159 \end{tabular}%
160 \nobreak
161 \par
162 \nobreak
163 \vspace{2.3ex}%
164 \vskip -\parskip
165 \noindent
166 \ignorespacesafterend
167 }

```

2.5 Names

```

168 \def\TeX{\hologo{eTeX}}
169 \def\pdfTeX{\hologo{pdfTeX}}
170 \def\pdfLaTeX{\hologo{pdfLaTeX}}
171 \def\LuaTeX{\hologo{LuaTeX}}
172 \def\LuaLaTeX{\hologo{LuaLaTeX}}
173 \def\XeTeX{\hologo{XeTeX}}
174 \def\XeLaTeX{\hologo{XeLaTeX}}
175 \def\plainTeX{\hologo{plainTeX}}
176 \providecommand*{\teTeX}{teTeX}
177 \providecommand*{\mikTeX}{mikTeX}
178 \providecommand*{\MakeIndex}{\textsl{MakeIndex}}
179 \providecommand*{\docstrip}{\textsf{docstrip}}
180 \providecommand*{\iniTeX}{\mbox{ini-TeX}}
181 \providecommand*{\VTeX}{VTeX}

```

2.6 Setup

2.6.1 Package doc

```

182 \CodelineIndex
183 \EnableCrossrefs
184 \setcounter{IndexColumns}{2}
185 \DoNotIndex{\begingroup,\endgroup,\bgroup,\egroup}
186 \DoNotIndex{\def,\edef,\xdef,\global,\long,\let}
187 \DoNotIndex{\expandafter,\noexpand,\string}
188 \DoNotIndex{\else,\fi,\or}
189 \DoNotIndex{\relax}

```

2.6.2 Page layout

```

190 \addtolength{\textheight}{\headheight}
191 \addtolength{\textheight}{\headsep}
192 \setlength{\headheight}{0pt}
193 \setlength{\headsep}{0pt}
194 \addtolength{\topmargin}{-10mm}
195 \addtolength{\textheight}{20mm}
196 \end{package}

```

3 Installation

3.1 Download

Package. This package is available on CTAN¹:

¹<ftp://ftp.ctan.org/tex-archive/>

[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:install/macros/latex/contrib/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, mikT_EX, ...) relies on file name databases, you must refresh these. For example, teT_EX users run `texhash` or `mktextlsr`.

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 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{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 pdfL^AT_EX:

```
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.

[2007/11/11 v0.9]

- \LuaTeX added.

[2007/12/12 v0.10]

- \iniTeX added.

[2008/08/11 v0.11]

- `\Newsgroup`, `\xnewsgroup`, and `\URL` updated.

[2009/08/07 v0.12]

- `\xmodule` added.

[2009/12/02 v0.13]

- Anchor hack for unnumbered subsections is removed for `hyperref` \geq 2009/11/27 6.79k.

[2010/02/03 v0.14]

- `\XeTeX` and `\XeLaTeX` are made robust.

[2010/03/10 v0.15]

- `\LuaTeX` changed according to Hans Hagen's definition in the `luatex` mailing list.

[2010/04/03 v0.16]

- Use date and time of `.dtx` file.

[2010/04/08 v0.17]

- Option `pdfencoding=auto` added for package `hyperref`.
- Package `hologo` 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	\cs 155
<code>*</code> 151	<code>\csname</code> 154
<code>\,</code> 151	<code>\CTAN</code> 126
<code>\@currentlabel</code> 61, 75	
<code>\@gobble</code> 13, 125	D
<code>\@ifpackagelater</code> 55	<code>\day</code> 27, 39
<code>\@nil</code> 30, 35	<code>\docstrip</code> 179
<code>\@</code> 103, 108, 112, 125, 157	<code>\DoNotIndex</code> . . . 185, 186, 187, 188, 189
<code>\{</code> 150	E
<code>\}</code> 150	<code>\EnableCrossrefs</code> 183
A	<code>\end</code> 159
<code>\addcontentsline</code> 58, 70	<code>\endcsname</code> 154
<code>\addtolength</code> 190, 191, 194, 195	<code>\enditemize</code> 87
<code>\addvspace</code> 146	<code>\endVersion</code> 87
<code>\advance</code> 33	<code>\eTeX</code> 168
B	F
<code>\begin</code> 152	<code>\File</code> 123
C	<code>\footnote</code> 94, 114
<code>\CodelineIndex</code> 182	H
<code>\CS</code> 125	<code>\headheight</code> 190, 192

