

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 | 4 |
| 3.1 | Some details for the interested | 5 |
| 4 | History | 5 |
| [1999/06/26 v0.3] | | 5 |
| [2000/08/14 v0.4] | | 5 |
| [2001/08/27 v0.5] | | 5 |
| [2001/09/02 v0.6] | | 5 |
| [2006/06/02 v0.7] | | 6 |
| 5 | Index | 6 |

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   [2006/06/02 v0.7 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]}%
20     [#1]%
21   }%
22   \def\HistLabel##1{%
23     \begingroup
24       \edef\x{[#1]}%
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 }
```

```

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 \providecommand*\teTeX{\te\TeX}
114 \providecommand*\mikTeX{\mik\TeX}
115 \providecommand*\MakeIndex{\textsl{MakeIndex}}
116 \providecommand*\docstrip{\textsf{docstrip}}
117 \providecommand*\plainTeX{\mbox{plain-TeX}}
118 \providecommand*\VTeX{V\TeX}

```

2.5 Setup

2.5.1 Package doc

```

119 \CodelineIndex
120 \EnableCrossrefs
121 \setcounter{IndexColumns}{2}

122 \DoNotIndex{\begingroup,\endgroup,\bgroup,\egroup}
123 \DoNotIndex{\def,\edef,\xdef,\global,\long,\let}
124 \DoNotIndex{\expandafter,\noexpand,\string}
125 \DoNotIndex{\else,\fi,\or}
126 \DoNotIndex{\relax}

```

2.5.2 Page layout

```

127 \addtolength{\textheight}{\headheight}
128 \addtolength{\textheight}{\headsep}
129 \setlength{\headheight}{0pt}
130 \setlength{\headsep}{0pt}

131 \addtolength{\topmargin}{-10mm}
132 \addtolength{\textheight}{20mm}

133 \end{package}

```

3 Installation

CTAN. This package is available on CTAN¹:

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

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

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

```
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

```

¹<http://ftp.ctan.org/tex-archive/>

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`.

Refresh file databases. If your \TeX distribution (`te \TeX` , `mik \TeX` , ...) rely on file databases, you must refresh these. For example, `te \TeX` users run `texhash` or `mktextlsr`.

3.1 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.

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 | | I | |
|------------------|-------------------------|-----------------------|---|
| * | 93 | \ifx | 48, 53, 57 |
| \, | 93 | \ignorespacesafterend | 108 |
| \@currentlabel | 25 | \itemize | 34 |
| \@gobble | 8, 70 | L | |
| \\ | 48, 53, 57, 70, 99 | \label | 26 |
| \{ | 92 | \LaTeX | 112 |
| \} | 92 | \leftmargin | 91 |
| A | | M | |
| \addcontentsline | 19 | \M | 92 |
| \addtolength | 127, 128, 131, 132 | \MakeIndex | 115 |
| \addvspace | 88 | \mbox | 110, 117 |
| B | | \meta | 92 |
| \begin | 94 | \miktex | 114 |
| C | | N | |
| \CodelineIndex | 119 | \NameEmail | 41, 50 |
| \CS | 70 | \NeedsTeXFormat | 2 |
| \cs | 97 | \newcommand | 13, 16, 38, 41, 67, 68, 69, 70, 71, 74, 77, 78, 79, 80, 81, 82, 85 |
| \csname | 96 | \newenvironment | 30, 86 |
| \CTAN | 71 | \Newsgroup | 74 |
| D | | \nobreak | 102, 104 |
| \docstrip | 116 | \noindent | 90, 107 |
| \DoNotIndex | 122, 123, 124, 125, 126 | \nolinkurl | 54, 61, 72, 75 |
| E | | P | |
| \EnableCrossrefs | 120 | \Package | 67 |
| \end | 101 | \PackageInfo | 8 |
| \endcsname | 96 | \PackageWarningNoLine | 11 |
| \enditemize | 36 | \par | 87, 103 |
| \endVersion | 36 | \parskip | 89, 106 |
| \eTeX | 110 | \pdfLaTeX | 112 |
| F | | \pdfTeX | 111 |
| \File | 68 | \phantomsection | 18 |
| \footnote | 39, 59 | \plainTeX | 117 |
| H | | \providecommand | 110, 111, 112, 113, 114, 115, 116, 117, 118 |
| \headheight | 127, 129 | \ProvidesPackage | 3 |
| \headsep | 128, 130 | R | |
| \HistLabel | 22 | \RequirePackage | 5, 6 |
| \HistVersion | 16, 33 | S | |
| \hld@NameEmail | 45, 47 | \section | 14 |
| \hld@info | 7 | \setcounter | 121 |
| \hld@NameEmail | 42, 44 | \setlength | 129, 130 |
| \hld@warn | 10, 49 | \space | 50 |
| \hline | 95, 100 | \SpecialUsageIndex | 96 |
| \href | 54, 61, 72, 75 | \StartHistory | 13, 31 |
| \hspace | 91 | \subsection | 17 |

| T | | V | |
|---------------------------------|---|--------------------------------|---------|
| <code>\teTeX</code> | 113 | <code>\varepsilon</code> | 110 |
| <code>\TeX</code> | 110, 111, 113, 114, 117, 118 | <code>\Verb</code> | 69 |
| <code>\textgreater</code> | 83 | <code>\Version</code> | 32 |
| <code>\textheight</code> | 127, 128, 132 | <code>\vskip</code> | 89, 106 |
| <code>\textless</code> | 83 | <code>\vspace</code> | 105 |
| <code>\textsf</code> | 77, 78, 79, 116 | <code>\VTeX</code> | 118 |
| <code>\textsl</code> | 115 | X | |
| <code>\texttt</code> | 67, 68, 69, 70, 80, 81, 83, 85, 92, 93 | <code>\x</code> | 24, 25 |
| <code>\topmargin</code> | 131 | <code>\xclass</code> | 78 |
| U | | <code>\xemail</code> | 82 |
| <code>\unskip</code> | 93 | <code>\xext</code> | 81 |
| <code>\URL</code> | 38 | <code>\xfile</code> | 80 |
| <code>\url</code> | 39 | <code>\xnewsgroup</code> | 85 |
| | | <code>\xoption</code> | 79 |
| | | <code>\xpackage</code> | 77 |