

m_hdr crt_pdf_file.sas File Reference

Documentation

Header macro to generate a program or macro PDF documentation

Description

The macro generates a PDF formatted document containing program or macro information based on the header structure generated by the m_hdr_chk_structure.sas macro. The header has to comply to the standard Doxygen structure to be able to use this program. The following Doxygen program header commands are mandatory:

- `\\file`
- `\\ingroup`
- `\\brief`
- `\\details`
- `\\author`
- `\\date`
- `\\version`
- `\\sa`
- `\\param`
- `\\return`
- `\\calls`
- `\\usage`
- `\\example`

The following Doxygen program header commands are optional:

- `\\note`
- `\\todo`
- `\\warning`

Note

The `\\param` command is checked for valid suffices `[in]` and `[out]`. All other given suffix values will result as invalid.

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Version

21.1.11

Link

<https://github.com/paul-canals/toolbox>

Parameters

Input	help	Parameter, if set (Help or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	in_file	FILEPATH/FILENAME[.sas]. Specifies the full path and file name of the source SAS program or macro for which the documentation is to be generated. The default value for IN_FILE is: _NONE_.
Input	out_file	Specifies the full qualified path and file name of the target output PDF formatted document. The default value for OUT_FILE is: _NONE_.
Input	opt_lst	Optional. List [CMD1[CMD2..CMDn]] parameter that contains Doxygen header command statements which are valid if these are placed directly after the details header command section.
Input	doc_image	Optional. Specifies an image file name including a full or relative path. If an image file is set it will be located on top of the output PDF file.
Input	doc_title	Optional. Specifies an alternative title name value for the OUT_FILE output PDF document file. If a value is omitted, the default title will be derived from the IN_FILE file name value.
Input	doc_author	Optional. Specifies an optional author name value for the OUT_FILE output PDF document file.
Input	doc_subject	Optional. Specifies an optional operator value for the output OUT_FILE PDF document file.
Input	compress	Optional. Specifies the level of compression for the output OUT_PDF PDF document. This can be set to an integer value between 0 and 9, which specifies the level of compression. A value of 0 means no compression, and 9 the highest compression. The default level is: 6.
Input	append	Optional. Boolean [Y N] parameter to specify whether to output to an existing PDF document. If set to (Y)es, an ODS PDF statement must have been set before calling this macro. Furthermore a bookmark will be created containing the name of the SAS program being processed. The default value for APPEND is: N.
Input	keep_tbl	Optional. Boolean [Y N] parameter to specify whether to keep the output document header and error SAS datasets to be used after this macro call. The default value for KEEP_TBL is: N.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- SAS program or macro documentation in PDF format.

Calls

- [m_hdr_chk_structure.sas](#)
- [m_utl_create_dir.sas](#)
- [m_utl_get_userid.sas](#)
- [m_utl_nlobs.sas](#)
- [m_utl_print_message.sas](#)
- [m_utl_print_mtrace.sas](#)
- [m_utl_quote_elems.sas](#)

Usage

Example 1: Show help information:

```
%m_hdr crt_pdf_file(?)
```

Example 2: Create macro PDF documentation including optional commands:

```
%m_hdr crt_pdf_file(  
  in_file = %str(&APPL_PRGM./m_hdr crt_pdf_file.sas)  
  , out_file = %str(%sysfunc(getoption(WORK))/m_hdr crt_pdf_file.pdf)  
  , opt_lst = %str(\note \todo \warning)  
  , debug = N  
)
```

Example 3: Create macro PDF documentation with optional information:

```
%m_hdr crt_pdf_file(  
  in_file = %str(&APPL_PRGM./m_hdr crt_pdf_file.sas)  
  , out_file = %str(%sysfunc(getoption(WORK))/m_hdr crt_pdf_file.pdf)  
  , doc_title = PDF Toolbox Document  
  , doc_author = Paul Alexander Canals y Trocha  
  , doc_subject = Generated SAS PDF documentation  
  , debug = N  
)
```

Example 4: Create a concatenated macro PDF documentation file:

```
ods escapechar='~';  
ods pdf file = "%sysfunc(getoption(WORK))/toolbox.pdf"  
  title = "Paul's SAS Macro Utility Toolbox Documentation"  
  author = "Paul Alexander Canals y Trocha"  
  subject = "Generated SAS macro PDF documentation"  
  keywords = "SAS Macro Program Documentation"  
  style = styles.htmlblue  
  startpage = never  
;  
  
%m_hdr crt_pdf_file(  
  in_file = %str(&APPL_PRGM./m_hdr crt_pdf_file.sas)  
  , out_file = %str(%sysfunc(getoption(WORK))/toolbox.pdf)  
  , append = Y  
  , debug = N  
)  
  
%m_hdr crt_pdf_file(  
  in_file = %str(&APPL_PRGM./m_hdr_gen_rtf_doc.sas)  
  , out_file = %str(%sysfunc(getoption(WORK))/toolbox.pdf)  
  , append = Y  
  , debug = N  
)  
  
ods pdf close;
```

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