m_hdr_crt_rtf_file.sas File Reference

Documentation

Header macro to generate a program or macro RTF documentation

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Description

The macro generates a RTF 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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Date

2021-04-02 00:00:00

Version

21.1.04

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 RTF 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_title	Optional. Specifies an alternative title name value for the OUT_FILE output RTF document file. If a value is ommitted, 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 RTF document file.
Input	doc_subject	Optional. Specifies an optional operator value for the output OUT_FILE RTF document file.
Input	append	Optional. Boolean [Y|N] parameter to specify whether to output to an existing RTF document. If set to (Y)es, an ODS RTF 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 RTF 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_rtf_file(?)
```

Example 2: Create macro RTF documentation including optional commands:

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

Example 3: Create macro RTF documentation with optional information:

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

Example 4: Create a concatenated macro RTF documentation file:

```
ods escapechar='~';
ods rtf file = "%sysfunc(getoption(WORK))/toolbox.rtf"
   title     = "Paul's SAS Macro Utility Toolbox Documentation"
   author    = "Paul Alexander Canals y Trocha"
   operator  = "Generated SAS macro RTF documentation"
   style     = styles.htmlblue
   startpage = never
   ;

%m_hdr_crt_rtf_file(
   in_file  = %str(&APPL_PRGM./m_hdr_gen_pdf_doc.sas)
 , out_file = %str(%sysfunc(getoption(WORK))/toolbox.rtf)
 , append   = Y
 , debug    = N
   )

%m_hdr_crt_rtf_file(
   in_file  = %str(&APPL_PRGM./m_hdr_crt_rtf_file.sas)
 , out_file = %str(%sysfunc(getoption(WORK))/toolbox.rtf)
 , append   = Y
 , debug    = N
   )

ods rtf close;
```

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