

m_test_generate_scripts.sas File Reference

Testing

Testing macro to generate test scripts for programs or macros

Description

This program is used to read all programs in a given folder and create test scripts based on the usage example code that are contained in the SAS program or macro header comments. 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`

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Version

21.1.01

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	src_path	Specifies the full path and directory name where the source SAS programs or macros resides. These programs must include a header including example code that will be used for generating the scripts. The default value for SRC_PATH is: <code>_NONE_</code> .
Input	tgt_path	Specifies the full path and directory name where the generated test scripts are to be created in. The default value for TGT_PATH is: <code>_NONE_</code> .
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	print	Boolean [Y N] parameter to generate the output by using proc report steps with style HtmlBlue. The default value for PRINT is: N.
Input	sendmail	Boolean [Y N] parameter to specify if a result summary document in PDF format will be send to one of more addresses defined by the MAILADDR parameter. The default value is: N.
Input	mailaddr	Specifies one or more email addresses to which notifications will be send to. In case of more than one email address, the parameter contains a list of email addresses seperated by a blank.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Directory with the generated test scripts.

Calls

- [m_hdr_chk_structure.sas](#)
- [m_utl_create_dir.sas](#)
- [m_utl_get_file_list.sas](#)
- [m_utl_nlobs.sas](#)
- [m_utl_print_message.sas](#)
- [m_utl_print_mtrace.sas](#)
- [m_utl_printto.sas](#)

Usage

Example 1: Show help information:

```
%m_test_generate_scripts(?)
```

Example 2: Generate test scripts into temporary folder in WORK:

```
%m_test_generate_scripts(  
    src_path = %str(&APPL_PRGM.)  
    , tgt_path = %str(%sysfunc(getoption(WORK))\misc\tests)  
    , print   = Y  
    , debug   = N  
);
```

Example 3: Generate test scripts and output report by email:

```
%m_test_generate_scripts(  
    src_path = %str(&APPL_PRGM.)  
    , tgt_path = %str(%sysfunc(getoption(WORK))\misc\tests)  
    , sendmail = Y  
    , mailaddr = %str(pact@hermes.local)  
    , debug    = N  
);
```

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