

m_log_set_printto.sas File Reference

Logging

Logging macro to set the SAS proc printto log output location

Description

This program sets the SAS proc printto log output destination to either an external log file or to the default log window. If the log output destination was already set to an external file, a printto list will be created so that the log output destination can be set back to its former state. This also works for nested printto log file statements. A notification with the full printto list of will be printed in the log file.

Warning

This macro is OBSOLETE: please use m_util_printto.sas!

Autors

Paul Alexander Canals y Trocha (paul.canals@gmail.com)

Date

2020-09-07 00:00:00

Version

20.1.09

Link

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

Parameters

Input	help	Parameter, if set (or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	log_dest	Indicator [F FILE L LOG] to specify the output log destination. If the parameter value is set to L or LOG, the output is set to the default log window destination. If the parameter value is set to F or FILE, the output is set to the output location set by the LOG_FILE parameter. The default value for LOG_DEST is: _NONE_.
Input	log_file	Specifies the directory path and name of the log file where the log output is to be written into. If the specified file does not exist it will be created, otherwise overwritten by default. The default value for LOG_FILE is: _NONE_.
Input	new_file	Optional. Boolean [Y N] Parameter to specify wether to create a new log file, or to append to an already existing log file. The default value for NEW_FILE is: Y.
Input	prefix	Optional. Specifies a string added to the name of the output log file.
Input	subdirs	Optional. Boolean [Y N] parameter to specify whether sub directories are created for to the root path containing yaer and month information (yyyy/mm/).The default value for SUBDIRS is: N.
Input	timestamp	Optional. Boolean [Y N] parameter to specify whether timestamp information (yyyymmdd_hhmmss) is added to the name of the output log file. The default value for TIMESTAMP is: N.
Input	global_flg	Boolean [Y N] Parameter to specify wether the MVAR_NAME parameter value is to be declared as a global macro variable. If the parameter value is set to N, MVAR_NAME is not returned outside the macro. The default value is: N.
Output	mvar_name	Name of the global macro variable containing the result value representing the log output destination. The default value is: _printto.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Destination output LOG or Log file.

Calls

- [m_utl_create_dir.sas](#)
- [m_utl_print_message.sas](#)
- [m_utl_print_mtrace.sas](#)

Usage

Example 1: Show help information:

```
%m_log_set_printto(?)
```

Example 2: Set the proc printto log output destination to a file:

```
%m_log_set_printto(
  log_dest = FILE
  , log_file = %str(%sysfunc(getoption(WORK))/output.log)
  , debug    = Y
);

data WORK.class;
  set SASHELP.class;
run;

%m_log_set_printto(
  log_dest = LOG
  , debug    = Y
);

%put PRINT LOG_FILE;;

filename log_file "%sysfunc(getoption(WORK))/output.log";

data _null_;
  infile log_file;
  input;
  put _infile_;
run;
```

Example 3: Set the proc printto log output to a file with prefix:

```
%m_log_set_printto(
  log_dest = FILE
  , log_file = %str(%sysfunc(getoption(WORK))/output.log)
  , prefix   = Test
  , debug    = Y
);

data WORK.class;
  set SASHELP.class;
run;

%m_log_set_printto(
  log_dest = LOG
  , debug    = Y
);

%put PRINT LOG_FILE;;

filename log_file "%sysfunc(getoption(WORK))/test_output.log";

data _null_;
  infile log_file;
  input;
  put _infile_;
run;
```

Example 4: Set the proc printto log output to a file with timestamp in name:

```
%m_log_set_printto(
  log_dest = FILE
  , log_file = %str(%sysfunc(getoption(WORK))/output.log)
  , timestamp = Y
  , global_flg = Y
  , mvar_name = _printto_file
  , debug = Y
);

data WORK.class;
  set SASHELP.class;
run;

%m_log_set_printto(
  log_dest = LOG
  , debug = Y
);

%put PRINT LOG_FILE;;

filename log_file "&_printto_file.";

data _null_;
  infile log_file;
  input;
  put _infile_;
run;
```

Copyright

Copyright 2008-2020 Paul Alexander Canals y Trocha.

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <<https://www.gnu.org/licenses/>>.