

m_utl_get_pathname.sas File Reference

Utilities

Utility macro to obtain the path of a SAS libref or fileref

Description

This macro searches for the directory path of a SAS libref or fileref by using the dictionary table information. In case of a SAS libref, the macro returns the full path of the library or alias. For concatenated SAS librefs, the macro returns all paths in a single quoted string when using the default value for REF_POS= _ALL_. When the optional REF_POS parameter is set, the macro returns the path representing the positional value. For a SAS fileref, the macro returns both path and file name. This macro runs inline per default, but can be used to return the result into a global SAS macro variable specified by the GLOBAL_FLG and MVAR_NAME parameters.

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20.1.02

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	ref_name	Full name of the SAS libref or fileref. The default value for REF_NAME is: _NONE_.
Input	ref	Optional. Alias of the REF_NAME= parameter.
Input	ref_type	Parameter [F L] to specify whether the REF_NAME value contains a SAS libref (L) or fileref (F). The default value for REF_TYPE is: L.
Input	type	Optional. Alias of the REF_TYPE= parameter.
Input	ref_pos	Optional. Parameter to specify the positional number to select a result path when using the macro program on a concatenated SAS library. The default value for REF_POS is: _ALL_.
Input	pos	Optional. Alias of the REF_POS= parameter.
Input	global_flg	Boolean [Y N] Parameter to specify whether the result value is to be declared as a global macro variable. If set to N, the result is returned inline. The default value for GLOBAL is: N.
Output	mvar_name	Name of the global variable containing the path name result. The default value is: _pathname.
Input	show_err	Boolean [Y N] parameter to show or hide warnings or errors in the log. The default value is: Y.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Returns a full directory path (and name for fileref).

Calls

- [m_utl_print_message.sas](#)

Usage

Example 1: Show help information:

```
%m_utl_get_pathname(?)
```

Example 2: obtain the full path for SAS libref SASUSER:

```
data WORK.result;
  attrib libref length=$8 label='Library';
  attrib path length=$4096 label='Path';
  libref = 'SASUSER';
  path = strip("%m_utl_get_pathname(ref=SASUSER,type=L,debug=N)");
run;

proc print data=WORK.result label noobs;
run;
```

Example 3: obtain all paths for concatenated SAS libref SASHELP:

```
data WORK.result;
  attrib libref length=$8 label='Library';
  attrib path length=$4096 label='Path';
  libref = 'SASHELP';
  path = strip("%m_utl_get_pathname(ref=SASHELP,type=L,debug=N)");
run;

proc print data=WORK.result label noobs;
run;
```

Example 4: obtain second path for concatenated SAS libref SASHELP:

```
data WORK.result;
  attrib libref length=$8 label='Library';
  attrib path length=$4096 label='Path';
  libref = 'SASHELP';
  path = strip("%m_utl_get_pathname(ref=SASHELP,type=L,pos=2,debug=N)");
run;

proc print data=WORK.result label noobs;
run;
```

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