m_utl_get_attrc.sas File Reference

Utilities

Utility macro to return a character attribute of a SAS dataset

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Description

The macro can be used to obtain character attribute information of a SAS DATASET. The following is a list of valid character SAS dataset attribute names:
CHARSET
COMPRESS
DATAREP
ENCODING
ENCRYPT
ENGINE
LABEL
LIB
MEM
MODE
MTYPE
SORTEDBY
SORTLVL
SORTSEQ
TYPE

Note

The SHOW_ERR parameter shows or suppresses possible warnings or errors in the log. The default is value is N.

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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	intable	Full qualified LIBNAME.TABLENAME name of the source database table or SAS dataset. The default value for INTABLE is: _NONE_.
Input	attr_nm	Parameter to specify the name of the SAS data set attribute whose character value is returned. If the value of ATTR_NM is invalid, a missing value is returned and optionally a warning or error message will be written in the SAS log.
Input	show_err	Boolean [Y|N] parameter to show or hide warnings or errors in the log. The default value is: N.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- Returns the result of the attrc value supplied.

Calls

- m_utl_print_message.sas
- m_utl_print_mtrace.sas

Usage

Example 1: Show help information:

```
%m_utl_get_attrc(?)
```

Example 2: Get the library name of a SAS dataset:

```
%let libref =
   %m_utl_get_attrc(
      intable = SASHELP.class
    , attr_nm = LIB
    , debug   = Y
      );

%put &=libref.;
```

Example 3: Get the data type of a SAS dataset:

```
%let datatype =
   %m_utl_get_attrc(
      intable = SASHELP.class
    , attr_nm = TYPE
    , debug   = Y
      );

%put &=datatype.;
```

Example 4: Check if the SAS dataset is encrypted:

```
%let encrypted =
   %m_utl_get_attrc(
      intable = SASHELP.class
    , attr_nm = ENCRYPT
    , debug   = Y
      );

%put &=encrypted.;

data WORK.class (encrypt=aes encryptkey=passkey);
   set SASHELP.class;
run;

%let encrypted =
   %m_utl_get_attrc(
      intable = WORK.class (encryptkey=passkey)
    , attr_nm = ENCRYPT
    , debug   = Y
      );

%put &=encrypted.;

proc datasets lib=WORK nolist nowarn;
   delete class;
quit;
```

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