m_utl_clr_table_lock.sas File Reference

Utilities

Utility macro to clear an exclusive lock from a SAS dataset

Description

This macro can be used to clear an exclusive lock from a dataset, which is owned by the user running this program. The result value can be returned in a SAS macro variable. Valid lock status result values are:
RESULT = 1 -> Table is now unlocked by you.
RESULT = 0 -> Table could not be unlocked by you.

Note

SAS Problem Note 2859: LOCK statement or function with LIST or QUERY options might report locks incorrectly:
http://support.sas.com/kb/2/859.html

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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	member	Full LIBNAME.TABLENAME name of the SAS Dataset to clear an exclusive access lock from. The default value for MEMBER is: _NONE_.
Input	timeout	The or wait time in amount of seconds. The default value for TIMEOUT is: 10.
Input	retry	The amount of time in seconds between tryouts The default value for RETRY is: 5.
Input	global_flg	Boolean [Y|N] Parameter to specify wether the result value is to be declared as a global macro variable. If set to N, the result is not returned outside this program. The default value is: N.
Output	mvar_name	Name of the global SAS macro variable containing the result value representing the lock status. The default value for MVAR_NAME is: _cleared.
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

- Lock cleared from a SAS dataset

Calls

- m_utl_print_message.sas

Usage

Example 1: Show help information:

```
%m_utl_clr_table_lock(?)
```

Example 2: Clear a lock from a SAS dataset:

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

lock WORK.class;
%put &=SYSLCKRC.;

%m_utl_clr_table_lock(
   member     = WORK.class
 , timeout    = 10
 , retry      = 5
 , global_flg = Y
 , mvar_name  = cleared
 , show_err   = Y
 , debug      = Y
   )
%put &=cleared.;
```

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