m_sys_set_dbaccess.sas File Reference

System

System macro to set the SAS user access to DBMS and SAS librefs

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Description

This macro sets the SAS user specific database and SAS libref connections from the DBACCESS table. If there are any problems with setting a user connection, an email notification is send to inform the user and admin group. If the problem is due to an invalid user password combination, the dbms entry is set to inactive in the DBACCESS table using the m_sys_upd_dbaccess.sas macro routine.

Note

The SAS dataset containing the database connection profiles has to be named DBACCESS since all the routines expects this.

Note

If you lose or forget the ENCRYPTKEY, there will be absolutely no way to open the DBACCESS table and recover the data!

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20.1.09

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	dstable	Full qualified table name <LIBNAME.dbaccess>.
Input	dskey	Value of the ENCRYPTKEY parameter. The minimum string length needs to be 8 characters long.
Input	list	Parameter to specify a of one or more libref or database connection (DBNAME) or package name (DBPACK) entries. If given more than one entry, the LIST should contain quoted entries and comma separation. (e.g.\ ('SASHELP','SASUSER'))
Input	rw_flg	Boolean [Y|N] parameter to set the connection access to readonly or with write access by removing the "access=readonly" part from the DBOPTS string. The default value is: N.
Input	sendmail	Boolean [Y|N] parameter to specify if in case of problems a mail is to be sent to a administrator. The default value is: N.
Input	mailaddr	Email address of a private person or mail group.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- None

Calls

- m_log_set_options.sas
- m_sys_upd_dbaccess.sas
- m_utl_dec_passwd.sas
- m_utl_get_userid.sas
- m_utl_mail_notification.sas
- m_utl_print_message.sas
- m_utl_print_mtrace.sas
- m_utl_quote_elems.sas
- m_utl_unique_number.sas

Usage

Example 1: Show help information:

```
%m_sys_set_dbaccess(?)
```

Example 2 - Step 1: Create new DBACCESS table:

```
%m_adm_ctrl_dbaccess(
   dstable = WORK.dbaccess
 , dskey   = aespasskey
 , mode    = C
   );
```

Example 2 - Step 2: Insert a new entry with access readonly:

```
%m_adm_ctrl_dbaccess(
   dstable = WORK.dbaccess
 , dskey   = aespasskey
 , dnam    = TEMP
 , dtyp    = SAS
 , dpth    = %str(%sysfunc(getoption(WORK)))
 , dacc    = T
 , dopt    = %str(access=readonly)
 , mode    = I
   );
```

Example 2 - Step 3: View the newly made DBACCESS entry:

```
%m_adm_ctrl_dbaccess(
   dstable = WORK.dbaccess
 , dskey   = aespasskey
 , dsel    = %str(dbname='TEMP')
 , mode    = V
   );
```

Example 2 - Step 4: Set the new entry with write access:

```
%m_sys_set_dbaccess(
   dstable = WORK.dbaccess
 , dskey   = aespasskey
 , list    = %quote(TEMP)
 , rw_flg  = Y
 , debug   = N
   );
```