m_adm_ctrl_dbaccess.sas File Reference

Admin

Admin macro to administrate access to DBMS and SAS librefs

Description

Macro to administrate the database connection entries in the DBACCESS table. An admin uses this macro to initially create the DBACCESS table, insert, update, delete entries or view all entries in a report which can be send to an email address. The program contains a SAS print routine to display the pre and post states of the DBACCESS record entry change action.

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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20.1.10

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 LIBNAME.dbaccess table name.
Input	dskey	Value of the ENCRYPTKEY parameter. The minimum string length needs to be 8 characters long.
Input	dnam	Name of the database connection or SAS libref. The maximum length is 8 characters.
Input	dtyp	Mandatory. Indicator [DB2|ODBC|ORA|PGS|SAP|SAS] for dbms type selection. The default value is SAS.
Input	dpth	Optional. Database instance name or path.
Input	dsch	Optional. Database schema name.
Input	dusr	Optional. Database access user name.
Input	dpwd	Optional. Database access password.
Input	dacc	Mandatory. Indicator [P|T] for the entry access mode user type (DUSR) which can be (P)ersonal or (T)echnical. This parameter must always be set, even if the database type (DTYP) is set to SAS. The default value is: T (technical).
Input	dpck	Optional. Specifies an unique package name to combine multiple DNAM database connection names into one group. The m_sys_set_dbaccess.sas can be called using the package name as the value for the LIST argument parameter instead of the default database connection name or SAS libref.
Input	dopt	Optional. DBMS options separated by using a blank.
Input	dact	Boolean [Y|N] flag to indicate that an entry is to be set to active or inactive.
Input	iflg	Boolean [Y|N] flag to specify if an entry is to be included in the (user) connection list.
Input	dsel	Optional. Contains a where statement to select the entries from the DBACCESS table by either DBNAME, DBTYPE, DBUSER or ACTIVE. This parameter is only valid in combination with MODE parameter value equal to V (view entries).
Input	mode	Indicator [C|D|I|U|V] to define the table update mode: (C)reate, (D)elete, (I)nsert, (U)pdate or (V)iew for viewing the table content. The Default value is: V.
Input	print	Boolean [Y|N] parameter to decide wether output is generated using a proc print or report step. The default value for PRINT is: N.
Input	sendmail	Boolean [Y|N] parameter to decide if the result information list is to be send to email address. The default value is: N.
Input	mailaddr	Send to email address of private person or group.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- WORK.REPORT

Calls

- m_utl_create_dir.sas
- m_utl_dec_passwd.sas
- m_utl_enc_passwd.sas
- m_utl_mail_notification.sas
- m_utl_nlobs.sas
- m_utl_print_message.sas
- m_utl_print_mtrace.sas

Usage

Example 1: Show help information:

```
%m_adm_ctrl_dbaccess(?)
```

Example 2: Create new DBACCESS table (Mode=C):

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

Example 3: Insert a new Database entry (Mode=I):

```
%m_adm_ctrl_dbaccess(
   dstable = WORK.dbaccess
 , dskey   = aespasskey
 , dnam    = TEMP
 , dtyp    = SAS
 , dpth    = %str(%sysfunc(getoption(WORK))/archived)
 , dacc    = T
 , mode    = I
 , print   = Y
   );
```

Example 4: Update the new entry options (Mode=U):

```
%m_adm_ctrl_dbaccess(
   dstable = WORK.dbaccess
 , dskey   = aespasskey
 , dnam    = TEMP
 , dtyp    = SAS
 , dopt    = %str(access=readonly)
 , mode    = U
 , print   = Y
   );
```

Example 5: View the DBACCESS entries (Mode=V):

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

Example 6: Send the entry list by mail (Mode=V):

```
%m_adm_ctrl_dbaccess(
   dstable  = WORK.dbaccess
 , dskey    = aespasskey
 , mode     = V
 , sendmail = Y
 , mailaddr = %str(pact@hermes.local)
   );
```

Example 7 Deactivate a Database entry (Mode=U):

```
%m_adm_ctrl_dbaccess(
   dstable = WORK.dbaccess
, dskey    = aespasskey
, dnam     = TEMP
, dtyp     = SAS
, dact     = N
, mode     = U
, print    = Y
   );
```

Example 8: View the current Database entry list (Mode=V):

```
%m_adm_ctrl_dbaccess(
   dstable  = WORK.dbaccess
, dskey     = aespasskey
, mode      = V
, print     = Y
, debug     = Y
   );
```

Example 9: Delete a Database entry (Mode=D):

```
%m_adm_ctrl_dbaccess(
   dstable = WORK.dbaccess
, dskey    = aespasskey
, dnam     = TEMP
, dtyp     = SAS
, mode     = D
, print    = Y
   );
```

Example 10: View the current Database entry list (Mode=V):

```
%m_adm_ctrl_dbaccess(
   dstable  = WORK.dbaccess
, dskey     = aespasskey
, mode      = V
, print     = Y
, debug     = N
   );
```