

m_sys_get_mdaccess.sas File Reference

System

System macro to get admin user credentials for metadata access

Description

This macro is used for retrieving user credentials for an admin user to access SAS metadata server.

Note

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

Note

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

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Version

21.1.01

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	mdtable	Full qualified table name <LIBNAME.dbaccess>.
Input	mdkey	Value of the ENCRYPTKEY parameter. The minimum string length needs to be 8 characters long.
Input	mname	Optional. SAS metadata server connection name. Please note that if this parameter is set, the MNAME value must relate to an unique entry in the MDACCESS table, otherwise the SAS metadata server information may not be correct.
Input	menv	Optional. Indicator [DEV UAT PRD] environment code of the SAS metadata server connection.
Input	macc	Mandatory. Indicator [P T] for the entry access mode user type (MDUSR) which can be (P)ersonal or (T)echnical. The default value is T (technical).
Input	lusr	Optional. Local user initiating the SAS metadata server connection.
Input	host	Optional. Alias of the MENV parameter.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Admin user access credentials for a SAS metadata server

Calls

- [m_utl_dec_passwd.sas](#)
- [m_utl_get_userid.sas](#)
- [m_utl_print_message.sas](#)
- [m_utl_print_mtrace.sas](#)

Usage

Example 1: Show help information:

```
%m_sys_get_mdaccess(?)
```

Prepare a MDACCESS table for the next examples:

```
%m_adm_ctrl_mdaccess(  
    mdtbl = WORK.mdaccess  
    , mdkey = aespasskey  
    , mode = C  
    , print = Y  
    , debug = N  
);  
  
%m_adm_ctrl_mdaccess(  
    mdtbl = WORK.mdaccess  
    , mdkey = aespasskey  
    , mname = HMSDEV  
    , menv = DEV  
    , mhost = %str(dev.hermes.local)  
    , mport = 8561  
    , macc = T  
    , musr = dummy  
    , mpwd = XXX  
    , mode = I  
    , print = Y  
    , debug = N  
);  
  
%m_adm_ctrl_mdaccess(  
    mdtbl = WORK.mdaccess  
    , mdkey = aespasskey  
    , mname = HMSDEV  
    , menv = DEV  
    , mhost = %sysfunc(getoption(METASERVER))  
    , mport = %sysfunc(getoption(METAPORT))  
    , macc = P  
    , lusr = &sysuserid.  
    , musr = &sysuserid.  
    , mpwd = %str(P@u11970)  
    , mode = I  
    , print = Y  
    , debug = N  
);  
  
%m_adm_ctrl_mdaccess(  
    mdtbl = WORK.mdaccess  
    , mdkey = aespasskey  
    , mname = HMSUAT  
    , menv = UAT  
    , mhost = %str(uat.hermes.local)  
    , mport = 8561  
    , macc = T  
    , musr = dummy  
    , mpwd = XXX  
    , mode = I  
    , print = Y  
    , debug = N  
);  
  
%m_adm_ctrl_mdaccess(  
    mdtbl = WORK.mdaccess  
    , mdkey = aespasskey  
    , mode = V  
    , print = Y  
    , debug = N  
);
```

Example 2: Get metadata server connection information for a technical user (MENV=):

```
%m_sys_get_mdaccess(
    mdtable = WORK.mdaccess
    , mdkey  = aespaskey
    , menv   = DEV
    , debug  = Y
    );

proc options group=meta short;
run;
```

Example 3: Get metadata server connection information for a technical user (MNAME=):

```
%m_sys_get_mdaccess(
    mdtable = WORK.mdaccess
    , mdkey  = aespaskey
    , mname  = HMSDEV
    , debug  = N
    );

proc options group=meta short;
run;
```

Example 4: Get metadata server connection information for a personal user (MENV=):

```
%m_sys_get_mdaccess(
    mdtable = WORK.mdaccess
    , mdkey  = aespaskey
    , menv   = DEV
    , macc   = P
    , lusr   = &sysuserid.
    , debug  = Y
    );

proc options group=meta short;
run;
```

Example 5: Get metadata server connection information for a personal user (MNAME=):

```
%m_sys_get_mdaccess(
    mdtable = WORK.mdaccess
    , mdkey  = aespaskey
    , mname  = HMSDEV
    , macc   = P
    , lusr   = &sysuserid.
    , debug  = N
    );

proc options group=meta short;
run;
```

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