

m_adm_ctrl_mdaccess.sas File Reference

Admin

Admin macro to administrate access to SAS metadata servers

Description

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

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

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	mdtable	Full qualified LIBNAME.mdaccess table name.
Input	mdkey	Value of the ENCRYPTKEY parameter. The minimum string length needs to be 8 characters long.
Input	mname	Mandatory. SAS metadata server connection name. The maximum length is 10 characters.
Input	menv	Indicator [DEV UAT PRD] environment code of the SAS metadata server connection.
Input	mhost	Mandatory. Server address name to establish a SAS metadata server connection.
Input	mport	Mandatory. Server port number to establish a SAS metadata server connection.
Input	macc	Mandatory. Indicator [P T] for the entry access mode user type (RUSR) which can be (P)ersonal or (T)echnical. The default value is: T (technical).
Input	lusr	Optional. Local user initiating the connection.
Input	musr	Optional. User name for establishing the SAS metadata server connection.
Input	mpwd	Optional. SAS metadata server connection password.
Input	mact	Boolean [Y N] flag to indicate that an entry is to be set to active or inactive.
Input	msel	Optional. Contains a where statement to select the entries from the mdaccess table by either MDNAME, MDENV, MDHOST, MDACCS, LUSER 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 whether 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_mdaccess(?)
```

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

```
%m_adm_ctrl_mdaccess(  
  mdtbl = WORK.mdaccess  
, mdkey = aespaskey  
, mode  = C  
, print = Y  
, debug = Y  
);
```

Example 3: Insert a new SAS Metadata server connection entry (Mode=I and access: technical):

```
%m_adm_ctrl_mdaccess(  
  mdtbl = WORK.mdaccess  
, mdkey = aespaskey  
, mname = HMSDEV  
, menv  = DEV  
, mhost = %str(hermes.local)  
, mport = 8561  
, macc  = T  
, musr  = dummy  
, mpwd  = XXX  
, mode  = I  
, print = Y  
, debug = Y  
);
```

Example 4: Insert a new SAS Metadata server connection entry (Mode=I and access: personal):

```
%m_adm_ctrl_mdaccess(  
  mdtbl = WORK.mdaccess  
, mdkey = aespaskey  
, mname = HMSDEV  
, menv  = DEV  
, mhost = %str(hermes.local)  
, mport = 8561  
, macc  = P  
, lusr  = sasdmo  
, musr  = sasdmo  
, mpwd  = XXX  
, mode  = I  
, print = Y  
, debug = Y  
);
```

Example 5: View the technical SAS Metadata server connection entry for HMSDEV (Mode=V):

```
%m_adm_ctrl_mdaccess(  
  mdtbl = WORK.mdaccess  
, mdkey = aespaskey  
, msel  = %str(mdname='HMSDEV' and mdaccs='T')  
, mode  = V  
, print = Y  
, debug = Y  
);
```

Example 6: Send the complete SAS Metadata server connection entry list by mail (Mode=V):

```
%m_adm_ctrl_mdaccess(
  mdtable = WORK.mdaccess
, mdkey   = aespaskey
, mode    = V
, sendmail = Y
, mailaddr = %str(pact@hermes.local)
, debug   = Y
);
```

Example 7: Deactivate a SAS Metadata server connection entry (Mode=U and access: technical):

```
%m_adm_ctrl_mdaccess(
  mdtable = WORK.mdaccess
, mdkey   = aespaskey
, mname    = HMSDEV
, mact     = N
, mode     = U
, print    = Y
, debug    = N
);
```

Example 8: View the current SAS Metadata server connection entry list (Mode=V):

```
%m_adm_ctrl_mdaccess(
  mdtable = WORK.mdaccess
, mdkey   = aespaskey
, mode     = V
, print    = Y
, debug    = Y
);
```

Example 9: Delete a SAS Metadata server connection entry (Mode=D and access: technical):

```
%m_adm_ctrl_mdaccess(
  mdtable = WORK.mdaccess
, mdkey   = aespaskey
, mname    = HMSDEV
, macc     = T
, mode     = D
, print    = Y
, debug    = N
);
```

Example 10: View the current SAS Metadata server connection entry list (Mode=V):

```
%m_adm_ctrl_mdaccess(
  mdtable = WORK.mdaccess
, mdkey   = aespaskey
, mode     = V
, print    = Y
, debug    = N
);
```

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