m_adm_ctrl_rcaccess.sas File Reference

Admin

Admin macro to administrate access to remote connect servers

Description

Macro to administrate the SAS remote connect server entries in the rcaccess table. An admin can use this macro to initially create the rcaccess 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 rcaccess record entry change action.

Note

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

Note

If you lose or forget the ENCRYPTKEY, there will be absolutely no way to open the rcaccess 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	rctable	Full qualified LIBNAME.rcaccess table name.
Input	rckey	Value of the ENCRYPTKEY parameter. The minimum string length needs to be 8 characters long.
Input	rname	Mandatory. Remote connection name. The maximum length is 10 characters.
Input	rdest	Mandatory. Destination name of the remote host connection. The maximum length is 15 characters.
Input	renv	Indicator [DEV|UAT|PRD] environment code of the remote host connection.
Input	rhost	Mandatory. Server address and port to establish a a remote connection. The host and port value are separated by a blank character. (For example: mydomain.com 7551)
Input	racc	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 remote server connection.
Input	rusr	Optional. User name for establishing the remote server connection.
Input	rpwd	Optional. Remote connection access password.
Input	ract	Boolean [Y|N] flag to indicate that an entry is to be set to active or inactive.
Input	rsel	Optional. Contains a where statement to select the entries from the rcaccess table by either RCNAME, RCDEST, RCENV, RCHOST, RCACCS, 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 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_rcaccess(?)
```

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

```
%m_adm_ctrl_rcaccess(
   rctable = WORK.rcaccess
 , rckey   = aespasskey
 , mode    = C
 , print   = Y
 , debug   = Y
   );
```

Example 3: Insert a new Remote Connection entry (Mode=I and access: technical):

```
%m_adm_ctrl_rcaccess(
   rctable = WORK.rcaccess
 , rckey   = aespasskey
 , rname   = HMSDEV
 , rdest   = HERMES
 , renv    = DEV
 , rhost   = %str(hermes.local 7551)
 , racc    = T
 , rusr    = dummy
 , rpwd    = XXX
 , mode    = I
 , print   = Y
 , debug   = Y
   );
```

Example 4: Insert a new Remote Connection entry (Mode=I and access: personal):

```
%m_adm_ctrl_rcaccess(
   rctable = WORK.rcaccess
 , rckey   = aespasskey
 , rname   = HMSDEV
 , rdest   = HERMES
 , renv    = DEV
 , rhost   = %str(hermes.local 7551)
 , racc    = P
 , lusr    = sasdemo
 , rusr    = sasdemo
 , rpwd    = XXX
 , mode    = I
 , print   = Y
 , debug   = Y
   );
```

Example 5: View the technical Remote Connection entry for HMSDEV (Mode=V):

```
%m_adm_ctrl_rcaccess(
   rctable = WORK.rcaccess
 , rckey   = aespasskey
 , rsel    = %str(rcname='HMSDEV' and rcaccs='T')
 , mode    = V
 , print   = Y
 , debug   = Y
   );
```

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

```
%m_adm_ctrl_rcaccess(
   rctable  = WORK.rcaccess
 , rckey    = aespasskey
 , mode     = V
 , sendmail = Y
 , mailaddr = %str(pact@hermes.local)
 , debug    = Y
   );
```

Example 7: Deactivate a Remote Connection entry (Mode=U and access: technical):

```
%m_adm_ctrl_rcaccess(
   rctable = WORK.rcaccess
 , rckey   = aespasskey
 , rname   = HMSDEV
 , ract    = N
 , mode    = U
 , print   = Y
 , debug   = N
   );
```

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

```
%m_adm_ctrl_rcaccess(
   rctable  = WORK.rcaccess
 , rckey    = aespasskey
 , mode     = V
 , print    = Y
 , debug    = Y
   );
```

Example 9: Delete a Remote Connection entry (Mode=D and access: technical):

```
%m_adm_ctrl_rcaccess(
   rctable = WORK.rcaccess
 , rckey   = aespasskey
 , rname   = HMSDEV
 , racc    = T
 , mode    = D
 , print   = Y
 , debug   = N
   );
```

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

```
%m_adm_ctrl_rcaccess(
   rctable  = WORK.rcaccess
 , rckey    = aespasskey
 , mode     = V
 , print    = Y
 , debug    = N
   );
```