

# m\_sys\_get\_rcaccess.sas File Reference

## System

System macro to retrieve a remote connection information string

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### Description

This macro is used for retrieving remote connection profile information stored in the RCACCESS table to be able to connect to a SAS connect server by using a remote submit statement.

### 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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### Version

20.1.12

### 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	rkey	Value of the ENCRYPTKEY parameter. The minimum string length needs to be 8 characters long.
Input	rname	Optional. Remote connection name. Please note that if this parameter is set, the RNAME value must relate to an unique entry in the RCACCESS table, otherwise the remote host information may not be correct.
Input	rdest	Optional. Destination name of the remote connection. The maximum length is 15 characters.
Input	renv	Optional. Indicator [DEV UAT PRD] environment code of the remote host connection.
Input	racc	Mandatory. Indicator [P T] for the entry access mode user type (RCUSR) 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	mvar_rhost	Name of the macro variable containing the remote host information. The default value is: HOST.
Input	mvar_creds	Name of the macro variable containing the remote host credentials. The default value is: TCPSEC.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

## Returns

- Access information for a given remote server connection.

## 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_rcaccess(?)
```

Prepare a RCACCESS table for the next examples:

```
%m_adm_ctrl_rcaccess(  
  rctable = WORK.rcaccess  
  , rckey  = aespasskey  
  , mode   = C  
  , print  = Y  
  , debug  = N  
  );  
  
%m_adm_ctrl_rcaccess(  
  rctable = WORK.rcaccess  
  , rckey  = aespasskey  
  , rname   = HMSDEV  
  , rdest   = HERMES  
  , renv    = DEV  
  , rhost    = %str(dev.hermes.local 7551)  
  , racc    = T  
  , rusr     = dummy  
  , rpwd     = XXX  
  , mode     = I  
  , print    = Y  
  , debug    = N  
  );  
  
%m_adm_ctrl_rcaccess(  
  rctable = WORK.rcaccess  
  , rckey  = aespasskey  
  , rname   = HMSDEV  
  , rdest   = HERMES  
  , renv    = DEV  
  , rhost    = %str(dev.hermes.local 7551)  
  , racc    = P  
  , lusr     = &sysuserid.  
  , rusr     = &sysuserid.  
  , rpwd     = XXX  
  , mode     = I  
  , print    = Y  
  , debug    = N  
  );  
  
%m_adm_ctrl_rcaccess(  
  rctable = WORK.rcaccess  
  , rckey  = aespasskey  
  , rname   = HMSUAT  
  , rdest   = HERMES  
  , renv    = UAT  
  , rhost    = %str(uat.hermes.local 7551)  
  , racc    = T  
  , rusr     = dummy  
  , rpwd     = XXX  
  , mode     = I  
  , print    = Y  
  , debug    = N  
  );  
  
%m_adm_ctrl_rcaccess(  
  rctable = WORK.rcaccess  
  , rckey  = aespasskey  
  , mode    = V  
  , print   = Y  
  , debug   = N  
  );
```

Example 2: Get remote host information for a technical user (RENV= and RDEST=):

```
%m_sys_get_rcaccess(
    rctable = WORK.rcaccess
    , rkey   = aespaskey
    , rdest  = HERMES
    , renv   = DEV
    , debug  = Y
    );

data WORK.result;
    host = "&host.";
    tcpsec = "&tcpsec.";
run;

proc print data=WORK.result noobs;
run;
```

**Example 3: Get remote host information for a technical user (RNAME=):**

```
%m_sys_get_rcaccess(
    rctable = WORK.rcaccess
    , rkey   = aespaskey
    , rname  = HMSDEV
    , debug  = N
    );

data WORK.result;
    host = "&host.";
    tcpsec = "&tcpsec.";
run;

proc print data=WORK.result noobs;
run;
```

**Example 4: Get remote host information for a personal user (RENV= and RDEST=):**

```
%m_sys_get_rcaccess(
    rctable = WORK.rcaccess
    , rkey   = aespaskey
    , rdest  = HERMES
    , renv   = DEV
    , racc  = P
    , lusr   = &sysuserid.
    , debug  = Y
    );

data WORK.result;
    host = "&host.";
    tcpsec = "&tcpsec.";
run;

proc print data=WORK.result noobs;
run;
```

**Example 5: Get remote host information for a personal user (RNAME=):**

```
%m_sys_get_rcaccess(
    rctable = WORK.rcaccess
    , rkey   = aespaskey
    , rname  = HMSDEV
    , racc  = P
    , lusr   = &sysuserid.
    , debug  = N
    );

data WORK.result;
    host = "&host.";
    tcpsec = "&tcpsec.";
run;

proc print data=WORK.result noobs;
run;
```

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