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v-p-b on Jan 11 Update add-users-to-mvs_patata.md

1 contributor

63 lines (33 sloc)   2.262 kB   Raw   Blame   History

How to add users to TSO on z/OS

(archived from http://patata.homeip.net/blog/add-users-to-mvs)

Since it's not something i do every day I'll wrote down this little howto also for my own reference.
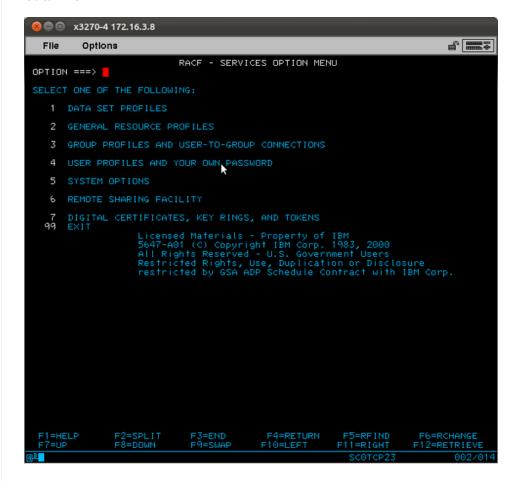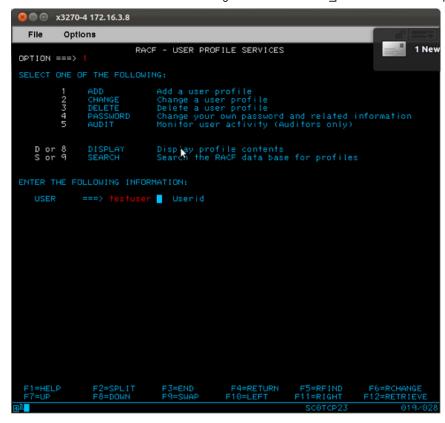
Create a user with full privileges on TSO

Go to RACF

And then choose to create a user

```
 ⬤⬤⬤   x3270-4 172.16.3.8

   File      Options
                           RACF - USER PROFILE SERVICES
 OPTION ===> 1

 SELECT ONE OF THE FOLLOWING:

         1      ADD          Add a user profile
         2      CHANGE       Change a user profile
         3      DELETE       Delete a user profile
         4      PASSWORD     Change your own password and related information
         5      AUDIT        Monitor user activity (Auditors only)

    D or 8     DISPLAY       Display profile contents
    S or 9     SEARCH        Search the RACF data base for profiles


 ENTER THE FOLLOWING INFORMATION:

    USER     ===> testuser ▮  Userid
```

```
 F1=HELP        F2=SPLIT       F3=END        F4=RETURN      F5=RFIND       F6=RCHANGE
 F7=UP          F8=DOWN        F9=SWAP       F10=LEFT       F11=RIGHT      F12=RETRIEVE
                                                           SC0TCP23               019/028
```

```
 ⬤⬤⬤   x3270-4 172.16.3.8

   File      Options
                           RACF - ADD USER TESTUSER
 COMMAND ===>

 ENTER THE FOLLOWING INFORMATION:

    OWNER            OSPREY__     Userid or group name

    USER NAME        test user_____

    DEFAULT GROUP    SYS1____     Group name

    PASSWORD (case sensitive) ===>            <=== User's initial password
             (case sensitive) ===>           <=== Re-enter password to verify

    PHRASE (case sensitive)
        ===>
                                  <=== Up to 100 characters in quotes
        ===>
                                  <=== Re-enter phrase to verify

    INTERVAL         ▮__         1 - 254 (days), NO, or blank
```

```
 F1=HELP        F2=SPLIT       F3=END        F4=RETURN      F5=RFIND       F6=RCHANGE
 F7=UP          F8=DOWN        F9=SWAP       F10=LEFT       F11=RIGHT      F12=RETRIEVE
                                                           SC0TCP23               021/021
```

```
●●●   x3270-4 172.16.3.8
 File     Options                                                        🔓  ▭
                            RACF - ADD USER TESTUSER
COMMAND ===>

TO ASSIGN USER ATTRIBUTES, ENTER YES:

     GROUP ACCESS        ===> yes          SPECIAL          ===> yes
     ADSP                ===> NO           OPERATIONS       ===> yes
     OIDCARD             ===> NO           AUDITOR          ===> NO
     NO-PASSWORD         ===> NO           RESTRICTED       ===> NO

IDENTIFY THE MODEL PROFILE FOR USER DATA SETS (OPTIONAL):

     MODEL PROFILE       ===>

TO CREATE THE FOLLOWING, ENTER YES (OPTIONAL):

     A GENERIC DATA SET PROFILE          ===> yes
     A MINIDISK PROFILE                  ===> NO
                                             ▮

TO ADD OPTIONAL INFORMATION, ENTER YES     ===> NO
















 F1=HELP       F2=SPLIT      F3=END       F4=RETURN    F5=RFIND     F6=RCHANGE
 F7=UP         F8=DOWN       F9=SWAP       F10=LEFT    F11=RIGHT    F12=RETRIEVE
▣▮                                              SC0TCP23          019/050
```

The specified options grant full access to the system, in particular the SPECIAL and OPERATIONS grant a very high privilege level.

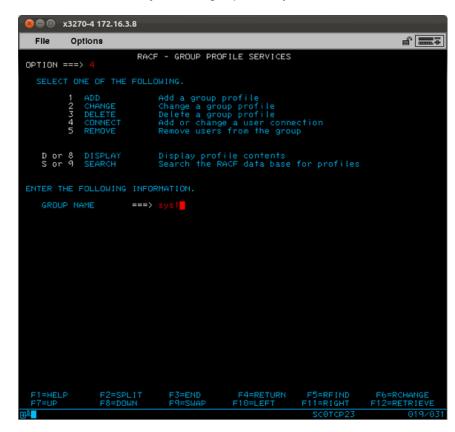You need to specify the TSO parameters in order to allow the logon of the user, so add the following optional information.
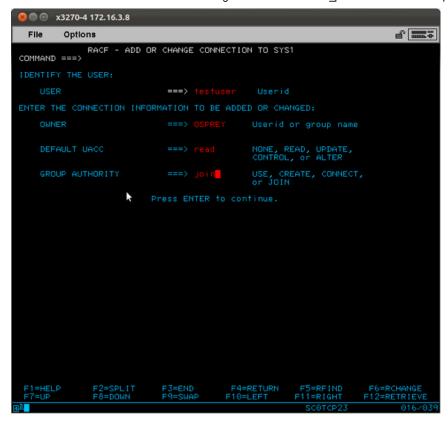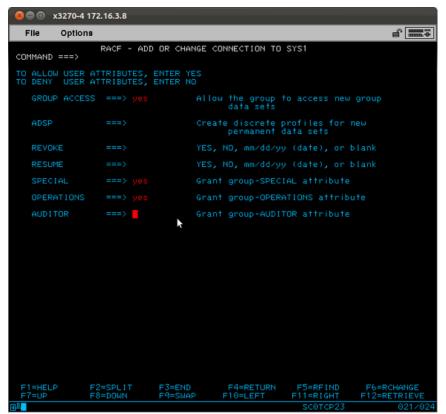
```
●●●   x3270-4 172.16.3.8
 File     Options                                                        🔓  ▭
                           RACF - CHANGE USER TESTUSER
COMMAND ===>

To add or change the following information, enter any character.

     _ CLASS AUTHORITY                  _ KERB PARAMETERS
     _ INSTALLATION DATA                _ LDAP PROXY PARAMETERS
     _ SECURITY LEVEL or CATEGORIES     _ ENTERPRISE IDENTITY MAPPING
     _ SECURITY LABEL                   _ CSDATA PARAMETERS
     _ LOGON RESTRICTIONS
     _ NATIONAL LANGUAGES
     _ DFP PARAMETERS
     / TSO PARAMETERS
     _ OPERPARM PARAMETERS
     _ CICS PARAMETERS
     _ WORK ATTRIBUTES
     _ OMVS PARAMETERS
     _ NETVIEW PARAMETERS
     _ DCE PARAMETERS
     _ OVM PARAMETERS
     _ LNOTES PARAMETERS
     _ NDS PARAMETERS













 F1=HELP       F2=SPLIT      F3=END       F4=RETURN    F5=RFIND     F6=RCHANGE
 F7=UP         F8=DOWN       F9=SWAP       F10=LEFT    F11=RIGHT    F12=RETRIEVE
▣▮                                              SC0TCP23          013/006
```

```
⊗ ⊜ ⊕    x3270-4  172.16.3.8
  File      Options                                                    🔓 🖮⊕
          RACF  -  CHANGE  USER  TESTUSER  TSO-RELATED  INFORMATION
COMMAND ===>
Delete ALL TSO information          (NOTSO)    ___    YES or blanks

    ----  OR  ----
Choose to CHANGE or DELETE, then press ENTER.
                                                          More:    -

  Change Sysout Class          (SYSOUTCLASS)  _  1-9, A-Z, or blank
  Delete Sysout Class          (NOSYSOUTCLASS) _

  Change Account        (ACCTNUM)    ACCT#_____
  Delete Account     (NOACCTNUM)  _

  Change Logon Procedure Name       (PROC)   ISPFPROC
  Delete Logon Procedure Name       (NOPROC)  _

  Change Default Region Size        (SIZE)   _____   0 - 2096128
  Delete Default Region Size        (NOSIZE)  _

  Change Default Allocation Unit    (UNIT)   3390____
  Delete Default Allocation Unit  (NOUNIT)  _

  Change Sysout Destination ID      (DEST)   _____
  Delete Sysout Destination ID     (NODEST)  _

  Change Maximum Region Size        (MAXSIZE)  0204800  0 - 2096128
  Delete Maximum Region Size     (NOMAXSIZE)  _

  Change User Data                  (USERDATA)   ____
  Delete User Data               (NOUSERDATA)  _

  Change Logon Security Label    (SECLABEL)   _____
  Delete Logon Security Label  (NOSECLABEL)  _

  Change Command   (COMMAND)   ispf█_____
                              _____
  Delete Command (NOCOMMAND)  _

  ----------------------- END of panel -----------------------------
  F1=HELP      F2=SPLIT     F3=END      F4=RETURN    F5=RFIND     F6=RCHANGE
  F7=UP        F8=DOWN      F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
 ⊞▋▋                                      SC0TCP23           037/036
```

The user is now created with the RACF definitions for TSO, but the work is still not completed. You need to link the user to the proper groups in order to have the permissions to log in and use the datasets.

The involved groups are `sys1`, `sysctlg` and `vsamdset`. Since we are creating a full administrative user we could give read as default uacc and join for the group authority.

```
⊗ ⊜ ⊕    x3270-4  172.16.3.8
  File      Options                                                    🔓 🖮⊕
                  RACF  -  GROUP  PROFILE  SERVICES
OPTION ===> 4
    SELECT ONE OF THE FOLLOWING.

            1   ADD          Add a group profile
            2   CHANGE       Change a group profile
            3   DELETE       Delete a group profile
            4   CONNECT      Add or change a user connection
            5   REMOVE       Remove users from the group

     D or 8  DISPLAY     Display profile contents
     S or 9  SEARCH      Search the RACF data base for profiles


ENTER THE FOLLOWING INFORMATION.

    GROUP NAME        ===> sys1█











  F1=HELP      F2=SPLIT     F3=END      F4=RETURN    F5=RFIND     F6=RCHANGE
  F7=UP        F8=DOWN      F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
 ⊞▋▋                                      SC0TCP23           019/031
```
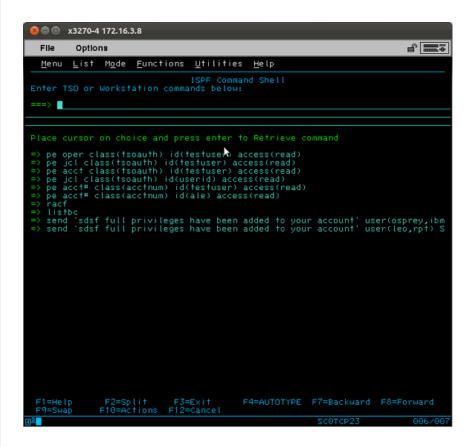
Do the same for the remaining groups.

Now the user is almost ready, but you still have to grant some permissions in order to use the acct# and the rights to use SDSF. You just have to use these commands on the TSO prompt

Permit the use of acct, oper and jcl with the following commands

```
pe acct# class(acctnum) id(userid) access(read)
```

```
pe acct class(tsoauth) id(userid) access(read)

pe jcl class(tsoauth) id(userid) access(read)

pe oper class(tsoauth) id(userid) access(read)
```


At this point the new user can log on the TSO and have full rights to system datasets, JCL and SDSF.

Note: If the TSO logon asks for an account number, give it `acct#` ;)