

Branch: master

bigiron / tutorial / add-users-to-mvs_patata.md



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

```
x3270-4 172.16.3.8
File Options
RACF - SERVICES OPTION MENU
OPTION ==>
SELECT ONE OF THE FOLLOWING:
 1 DATA SET PROFILES
 2 GENERAL RESOURCE PROFILES
 3 GROUP PROFILES AND USER-TO-GROUP CONNECTIONS
 4 USER PROFILES AND YOUR OWN PASSWORD
 5 SYSTEM OPTIONS
 6 REMOTE SHARING FACILITY
 7 DIGITAL CERTIFICATES, KEY RINGS, AND TOKENS
99 EXIT
Licensed Materials - Property of IBM
5647-A01 (C) Copyright IBM Corp. 1983, 2000
All Rights Reserved - U.S. Government Users
Restricted Rights, Use, Duplication or Disclosure
restricted by GSA ADP Schedule Contract with IBM Corp.
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 002/014
```

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

COMMAND ===>
      RACF - ADD USER TESTUSER

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

COMMAND ===>
      RACF - CHANGE USER TESTUSER

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           Y
- 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) ACT#-----
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

```

```

x3270-4 172.16.3.8
File Options
RACF - ADD OR CHANGE CONNECTION TO SYS1
COMMAND ==>
IDENTIFY THE USER:
  USER          ==> testuser  Userid
ENTER THE CONNECTION INFORMATION TO BE ADDED OR CHANGED:
  OWNER          ==> OSPREY   Userid or group name
  DEFAULT UACC   ==> read     NONE, READ, UPDATE,
                                CONTROL, or ALTER
  GROUP AUTHORITY ==> join     USE, CREATE, CONNECT,
                                or JOIN
                                Press ENTER to continue.

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 016/039

```

```

x3270-4 172.16.3.8
File Options
RACF - ADD OR CHANGE CONNECTION TO SYS1
COMMAND ==>
TO ALLOW USER ATTRIBUTES, ENTER YES
TO DENY USER ATTRIBUTES, ENTER NO
  GROUP ACCESS ==> yes      Allow the group to access new group
                              data sets
  ADSP         ==>         Create discrete profiles for new
                              permanent data sets
  REVOKE       ==>         YES, NO, mm/dd/yy (date), or blank
  RESUME       ==>         YES, NO, mm/dd/yy (date), or blank
  SPECIAL      ==> yes      Grant group-SPECIAL attribute
  OPERATIONS   ==> yes      Grant group-OPERATIONS attribute
  AUDITOR      ==>         Grant group-AUDITOR attribute

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 021/024

```

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)

```

```

x3270-4 172.16.3.8
File Options
Menu List Mode Functions Utilities Help
ISPF Command Shell
Enter TSO or Workstation commands below:
==>

Place cursor on choice and press enter to Retrieve command
=> pe oper class(tsoauth) id(testuser) access(read)
=> pe jcl class(tsoauth) id(testuser) access(read)
=> pe acct class(tsoauth) id(testuser) access(read)
=> pe jcl class(tsoauth) id(userid) access(read)
=> pe acct# class(acctnum) id(testuser) access(read)
=> pe acct# class(acctnum) id(ale) access(read)
=> racf
=> listbc
=> send 'sdsf full privileges have been added to your account' user(osprey,ibm
=> send 'sdsf full privileges have been added to your account' user(leo,rpt) S

F1=Help F2=Split F3=Exit F4=AUTOTYPE F7=Backward F8=Forward
F9=Swap F10=Actions F12=Cancel
SC0TCP23 006/007

```

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# ;)

