



## April Tip - Password Idea

Based on a tip provided by **Sudhakar Kunji** to search400.com

Here's a neat idea that will keep user profile's passwords synced among different iSeries. It will also allow a user to set their password on one box, and carry it on to all other machines.

**First**, create a file called PWDDEF00. Include two fields USER (10) and PWD (length determined by system value QPWDMAXLEN). Define User as the key.

**Second**, create the following program RTVPWD. The key to this program is the API **QSYRUPWD**. This API is what will actually retrieve the user's password. Sorry for the code, I am merely copying it.

```
FPWDDEF00UF  E          K          DISK          A
I          'QSYRUPWD'          C          QSYDHB
IQSYDJ          DS
I          B  1  40QSYDJB
I          B  5  80QSYDJC
I          9  18 QSYDJD
I          19 269 QSYDJF
I          DS
I          B  1  40#LEN
I          5  12 #FRMT
I          13 22 #USER
I          23 72 #ERRFL
C          *ENTRY  PLIST
C          PARM          USER
C          MOVEUSER  #USER
C          Z-ADD250  #LEN
C          MOVEL'UPWD0100'#FRMT
C          MOVEL*BLANKS #ERRFL
*
C          CALL 'QSYRUPWD'
C          PARM          QSYDJ
C          PARM          #LEN
C          PARM          #FRMT
C          PARM          #USER
C          PARM          #ERRFL
*
C          MOVEL#USER  USER
C          USER      CHAINPASS          50
C          MOVELQSYDJF  PWD
C          *IN50     IFEQ '1'
C          WRITEPASS
C          ELSE
C          UPDATPASS
C          ENDIF
C          SETON          LR
```

**Third**, call this program by passing the desired User Profile as a parameter. Obviously you could write some sort of surround program to automatically do this for every user profile on the system.

If you submit a tip to [tips@drewcorp.com](mailto:tips@drewcorp.com), and it is selected for a TIP of the month, I may buy you a cup of coffee!!!! Please send comments of the types of tips you would like to see to [Andy\\_Johnson@drewcorp.com](mailto:Andy_Johnson@drewcorp.com).



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**Fourth**, move the file PWDDEF00 to the desired iSeries(s).

**Fifth**, create and run the following program (RTVPWD) to update all user profiles with the passwords from the originating iSeries. Again, the key to this program is an API, called QSYSUPWD.

```
FPWDDEF00IF  E          K          DISK
I              'QSYSUPWD'          C          QSYDKB
IQSYDL          DS
I              B    1    40QSYDLB
I              B    5    80QSYDLC
I              9    18  QSYDLD
I              19  269 QSYDLF
I              DS
I              1    50  ERRCD
I              51   58 #FRMT
C              *ENTRY  PLIST
C              PARM          USER  10
C              USER  CHAINPASS          50
C              *IN50  IFEQ  '0'
C              MOVEL 'UPWD0100' #FRMT
C              MOVELUSER  QSYDLD
C              MOVELPWD  QSYDLF
C              CALL  'QSYSUPWD'
C              PARM          QSYDL
C              PARM          #FRMT
C              PARM          ERRCD
C              ENDIF
C              SETON          LR
```

Note: These API's are not thread safe. Also, you can not actually view a users password as it will be in the file in an encrypted state.

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