



# Administrator Program to Enroll Users

PGM

DCLF            ADDUSER

DCL            &GRP                    \*CHAR        3

DCL            &ACGDTA                   \*CHAR        10

RTVUSRPRF    ACGDTA(&ACGDTA)

CHGVAR        &GRP                    &ACGDTA

SNDRCVF

IF &IND03 GOTO EXIT

CRTUSRPRF    USRPRF(&GRP | | &NAME)

    PWDEXP(\*YES)            INLPGM(&GRP | | PGM)

    GRPPRF(GRP | | &GRP)    OWNER(\*GRPPRF)

    CURLIB(&GRP | | LIB)     ACGDTA(&GRP)

    LMTCPB(\*YES)            USRCLS(\*USER)

CHGOBJOWN    OBJ(&GRP | | &NAME)

    OBJTYPE(\*USRPRF)

    NEWOWN(&GRP | | ADM)

EXIT:ENDPGM

# RESETPWD - Reset user password (1 of 2)

```
/* **** */
/* Create as user with *ALLOBJ and *SECADM */
/* CRTCLPGM PGM(lib/RESETPWD) USRPRF(*OWNER) AUT(*EXCLUDE) */
/* RESETPWD -- Allows the help desk reset password but do */
/* not allow reset of users with powerful access */
/* **** */
RESETPWD: PGM (&USERID)
          DCL          &USERID      *CHAR    10
          DCL          &RTNDDTA     *CHAR    83
          /* **** */
          /* API work area USRI0200 data returned */
          /* Type Field */
          /* 1 BINARY(4) Bytes returned */
          /* 5 BINARY(4) Bytes available */
          /* 9 CHAR(10) User profile name */
          /* 19 CHAR(10) User class name */
          /* 29 CHAR(15) Special authority */
          /* 29 CHAR(1 ) ALLOBJ */
          /* 30 CHAR(1 ) SECADM */
          /* 31 CHAR(1 ) JOBCTL */
          /* 32 CHAR(1 ) SPLCTL */
          /* 33 CHAR(1 ) SAVSYS */
          /* 34 CHAR(1 ) SERVICE */
          /* 35 CHAR(1 ) AUDIT */
          /* 36 CHAR(1 ) IOSYSCFG */
          /* **** */
          DCL          &OUTVARD     *DEC     (5 0)  VALUE(83)
          DCL          &OUTLEN      *CHAR     4
          DCL          &FMT         *CHAR     8    VALUE(USRI0200)
          DCL          &ERRCDE      *CHAR    80
          DCL          &ERRLEND     *DEC     (5 0)  VALUE(80)
```

## RESETPWD - Reset user password (2 of 2)

```
/* **** */
/* Retrieve the special authority of the user profile */
/* Do not allow reset if user has special authority */
/* *ALLOBJ *SECADM *SPLCTL or *SERVICE */
/* **** */
CHGVAR      VAR(%BIN(&OUTLEN)) VALUE(&OUTVARD)
CHGVAR      VAR(%BIN(&ERRCDE 1 4)) VALUE(&ERRLEND)
CALL        QSYRUSRI  +
            (&RTNDTA &OUTLEN &FMT &USERID &ERRCDE)
IF  ( (%SST(&RTNDTA 29 1)='Y') *OR /*check *ALLOBJ*/ +
      (%SST(&RTNDTA 30 1)='Y') *OR /*check *SECADM*/ +
      (%SST(&RTNDTA 32 1)='Y') *OR /*check *SPLCTL*/ +
      (%SST(&RTNDTA 34 1)='Y') ) DO /*check *SERVICE */
      SNDPGMMSG MSGID(CPF9898) MSGTYPE(*ESCAPE) +
      MSGDTA('The security officer must reset this user.')
      ENDDO

CHGUSRPRF  USRPRF(&USERID)  PASSWORD(&USERID)  +
           STATUS(*ENABLED)  PWDEXP(*YES)

ENDPGM
```



# Time Out Inactive Terminals

PGM

```
DCL      &JOBNBR   *CHAR  6
DCL      &USER     *CHAR 10
DCL      &DEVICE   *CHAR 10
DCL      &MSGDTA   *CHAR 100
DCL      &MSGID    *CHAR  7

LOOP:RCVMSG      MSGQ(TIMEOUT) WAIT(*MAX) +
                  MSGDTA(&MSGDTA) MSGID(&MSGID)

  IF (&MSGID = CPI1126) DO
    CHGVAR      &DEVICE  %SST(&MSGDTA  1 10)
    CHGVAR      &JOBNBR  %SST(&MSGDTA 21  6)
    CHGVAR      &USER    %SST(&MSGDTA 11 10)
    IF (&DEVICE *NE DSP01 ) DO
      DSCJOB     JOB(&JOBNBR/&USER/&DEVICE)
      /*****
      /*If disconnect fails force job to terminate*/
      /*****
      MONMSG      MSGID(CPF0000) EXEC(ENDJOB +
                          JOB(&JOBNBR/&USER/&DEVICE))

      ENDDO
    ENDDO
  IF (&MSGDTA *NE 'SHUTDOWN') GOTO LOOP

ENDPGM
```



# LOGCMD Logging Commands

```
PGM
/*****/
/* LOGCMDA Program adopts *ALLOBJ special authority and */
/* logs commands entered in the audit journal */
/* Both application and IBM provided command */
/* auditing is done */
/*
/* Create program as an *ALLOBJ user using the command: */
/* CRTCLPGM PGM(LOGCMDA) USRPRF(*OWNER) AUT(LOGCMD) */
/*
/* Wayne O. Evans E-mail: WOEvans@aol.com */
/* 5677 W Circle Z St Phone: (520) 578-7785 */
/* Tucson, AZ 85713 Fax: (520) 578-7786 */
/* © Wayne O. Evans Consulting, Inc 2001 */
/*****/

DCL &MSG *CHAR 512
DCL &KEYVAR *CHAR 4
DCL &RTNTYPE *CHAR 2
DCL &AUDLVL *CHAR 640
DCL &AUDRSN *DEC (3 0) VALUE(640)
DCL &SCNSTR *DEC (3 0) VALUE(1)
DCL &LENSCN *DEC (3 0) VALUE(4)
DCL &SCNEND *DEC (3 0)
DCL &USER *CHAR 10
DCL &HANDLE *CHAR 12 /* Profile swap handle */
/* without audit */
DCL &LOGCMD *CHAR 12 /* Profile swap handle */
/* with AUDLVL(*CMD) */
```



# LOGCMD Logging Commands

START:

```
RTVUSRPRF  RTNUSRPRF(&USER) AUDLVL(&AUDLVL)
CALL       QSYGETPH (&USER '*NOPWD' &HANDLE)
/*****
/* Scan the AUDLVL for *CMD to determine if command */
/* auditing already active */
/*IF "*"CMD" is not found turn *CMD on in user profile */
/*and swap user profile to turn on auditing in job */
/*****
CALL       QCLSCAN (&AUDLVL /* Field to scan */ +
                  &AUDRSN /* Length of scan field */ +
                  &SCNSTR /* Start of scan */ +
                  '*CMD' /* Scan pattern */ +
                  &LENSCN /* Length of scan field */ +
                  '0' /* 0 = No translation */ +
                  '0' /* 0 = No trim */ +
                  ' ' /* ' '= No wild cards */ +
                  &SCNEND) /* length of pattern */
IF (&SCNEND *EQ 0) DO /* *CMD not found in profile*/
  IF (&AUDLVL *EQ *NONE) +
    CHGUSRAUD  USRPRF(&USER) AUDLVL(*CMD)
  ELSE +
    CHGUSRAUD  USRPRF(&USER) AUDLVL(*CMD *BCAT &AUDLVL)
  CALL       QSYGETPH (&USER '*NOPWD' &LOGCMD)
  CHGUSRAUD  USRPRF(&USER) AUDLVL(&AUDLVL)
  CALL       QWTSETP ( &LOGCMD )
  CALL       QSYRLSPH ( &LOGCMD )
ENDDO
```



# LOGCMD Logging Commands

```
RECEIVE:
  RCVMSG  PGMQ(*EXT) MSGTYPE(*RQS)  RMV(*NO) +
    KEYVAR(&KEYVAR) MSG(&MSG) RTNTYPE(&RTNTYPE)
  MONMSG  MSGID(CPF2415) EXEC(GOTO EXIT)  /* exit */
  /* If F4 pressed prompt for command parameters */
  IF      (&RTNTYPE = '10') CHGVAR &MSG ('?' || &MSG)
  CALL QCMDCHK (&MSG 512) /* Syntax check cmd */
  MONMSG CPF0000 EXEC(GOTO RECEIVE)
  RMVMSG  PGMQ(*EXT) MSGKEY(&KEYVAR) CLEAR(*BYKEY)
  SNDPGMMSG TOPGMQ(*EXT) MSGTYPE(*RQS) MSG(&MSG)
  RCVMSG  PGMQ(*EXT) MSGTYPE(*RQS)  RMV(*NO)
  CALL QCMDEXC (&MSG 512) /* Run the cmd */
  MONMSG CPF1907 EXEC(CHGVAR &MSG ('*END' || &MSG))
  MONMSG CPF0000 EXEC(CHGVAR &MSG ('ERROR' || &MSG))
  SNDJRNE JRN(QAUDJRN) TYPE(LC) ENTDTA(&MSG) /*Log cmd */
  MONMSG CPF0000 EXEC(SIGNOFF *LIST)
  GOTO RECEIVE
EXIT:IF (&SCNEND *EQ 0) CALL QWTSETP ( &HANDLE )
  CALL QSYRLSPH ( &HANDLE )
  ENDPGM
```



# SIGNON Screen V4R5

```
A                                DSPSIZ( 24
A*****
A* DISPLAY FILE MEMBER NAME:  QDSIGNON          *
A* RECORD FORMAT -- NAME: SIGNON              *
A*****
A          R SIGNON
A
A                                CLEAR
A                                BLINK
A          1 23'                               Sign On
A                                DSPATR(HI)
A          2 48'System . . . . . : '
A          SYSNAME          8A  O  2 70
A          3 48'Subsystem . . . . . : '
A          SBSNAME         10A  O  3 70
A          4 48'Display . . . . . : '
A          DEVNAME         10A  O  4 70
A          6 17'User . . . . . '
A          USERID          10A  B  6 53
A 01          7 17'Password . . . . . '
A 01          PASSWRD       10A  I  7 53DSPATR(ND)
A          8 17'Program/procedure . . . . . '
A          DSPATR(ND)
A          PROGRAM         10A  B  8 53CHECK(LC)
A          DSPATR(ND)
A          DSPATR(PR)
A          9 17'Menu . . . . . '
A          DSPATR(ND)
A          MENU           10A  B  9 53CHECK(LC)
A          DSPATR(ND)
A          DSPATR(PR)
A          10 17'Current library . . . . . '
A          DSPATR(ND)
A          CURLIB         10A  B 10 53CHECK(LC)
A          DSPATR(ND)
A          DSPATR(PR)
A 02          QSNERROR      80A  O 24 1DSPATR(HI)
A          COPYRIGHT      40A  O 24 40DSPATR(HI)
A          UBUFFER        128A  H
```

Hide unwanted fields  
DO NOT delete



# LOGCMD Logging Commands

```
A      18  3'Warning'  
A      COLOR(RED)  
A      19  3'You have accessed a private comput-  
A      er system.  Unauthorized use, connec-  
A      tion'  
A      20  3'or entry is not permitted and cons-  
A      titutes a crime punishable by law.  -  
A      '  
A      21  3'We reserve the right to fully purs-  
A      ue criminal and civil penalties.  -  
A      '  
A      22  3'Users consent to monitoring when u-  
A      sing this system  -  
A      '  
A      FLD001      79A  O 12  2MSGID(SGN 0001 SGNMSGF)  
A      FLD002      79A  O 13  2MSGID(SGN 0002 SGNMSGF)  
A      FLD003      79A  O 14  2MSGID(SGN 0003 SGMMSGF)  
A      FLD004      79A  O 15  2MSGID(SGN 0004 SGMMSGF)  
A      FLD005      79A  O 16  2MSGID(SGN 0005 SGNMSGF)
```

Additional text and messages  
used for dynamic changes



# Display file to Edit Sign-on Messages

CRTDSPF DSPF(EDTSGNMSGF)

```
A                                     DSPSIZ(24 80 *DS3)
A      R EDTSGNMSG
A                                     CF03(03)
A                                     CF10(10)
A                                     CF12(12)
A      1 25'Edit Sign-on Display Messages'
A      MSG001      79A B 8 2DSPATR(HI)
A                                     CHECK(LC)
A      MSG002      79A B 9 2DSPATR(HI)
A                                     CHECK(LC)
A      MSG003      79A B 10 2DSPATR(HI)
A                                     CHECK(LC)
A      MSG004      79A B 11 2DSPATR(HI)
A                                     CHECK(LC)
A      MSG005      79A B 12 2DSPATR(HI)
A                                     CHECK(LC)
A      4 28'Modify messages below'
A      20 12'F10 - Update and Exit      F3 or F1-
A      2 - Exit with no update'
A      5 12'These messages appear on the sign--
A      on screen'
```



# Program to Edit Sign-on Messages

```
CRTCLPGM PGM(CHGSGNON) AUT(*EXCLUDE)
```

PGM

```
DCLF          FILE(EDTSGNMSGF)
RTVMSG       MSGID(SGN0001) MSGF(SGNMSGF) MSG(&MSG001)
RTVMSG       MSGID(SGN0002) MSGF(SGNMSGF) MSG(&MSG002)
RTVMSG       MSGID(SGN0003) MSGF(SGNMSGF) MSG(&MSG003)
RTVMSG       MSGID(SGN0004) MSGF(SGNMSGF) MSG(&MSG004)
RTVMSG       MSGID(SGN0005) MSGF(SGNMSGF) MSG(&MSG005)
```

LOOP:

```
SNDRCVF
IF &IN10 DO
  CHGMSGD    MSGID(SGN0001) MSGF(SGNMSGF) MSG(&MSG001)
  CHGMSGD    MSGID(SGN0002) MSGF(SGNMSGF) MSG(&MSG002)
  CHGMSGD    MSGID(SGN0003) MSGF(SGNMSGF) MSG(&MSG003)
  CHGMSGD    MSGID(SGN0004) MSGF(SGNMSGF) MSG(&MSG004)
  CHGMSGD    MSGID(SGN0005) MSGF(SGNMSGF) MSG(&MSG005)
  RETURN
ENDDO
IF (&IN03 *OR &IN12) RETURN
GOTO LOOP
```

ENDPGM