

SOURCE FILE ANUBLA/QCLLESRC
 MEMBER CHKAUT

```

SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
100 /*-----*/
200 /*      Programmers Group & Management Resource      Copyright  2000      */
300 /*-----*/
400 /*              \\              */
500 /*              ( o   o )              */
600 /*-----oOo---( )---Oo-----*/
700 /*-----*/
800 /* System name . . . : Technical Support              */
900 /* Program name . . . : CHKAUT                      */
1000 /* Text . . . . . : Check authority to the Object    */
1100 /*-----*/
1200 /* Author . . . . . : Alexander Nubla                */
1300 /* Description . . . : This is the CPP for CHKAUT command. */
1400 /*                  : The program checks to determine what */
1500 /*                  : type of authority the user has over  */
1600 /*                  : the specified object.              */
1700 /*-----*/
1800 /*              ooooO              Ooooo              */
1900 /*              (   )              (   )              */
2000 /*------(   )------(   )-----*/
2100 /*              ( _ )              ( _ )              */
2200 /*-----*/
2300 /*-----*/
2400 /*      pgm      (&user      /* Check user              */ +
2500 /*              &fullobj    /* Object name              */ +
2600 /*              &objtype    /* Object type              */ +
2700 /*              &auts      ) /* Authorities              */ +
2800 /*-----*/
2900 /*-----*/
3000 /* declaration              */
3100 /*-----*/
3200 /*      dcl      &user      *char      10
3300 /*      dcl      &fullobj    *char      20
3400 /*      dcl      &objtype    *char       7
3500 /*      dcl      &auts      *char      72
3600 /*-----*/
3700 /*      dcl      &obj      *char      10
3800 /*      dcl      &objlib    *char      10
3900 /*      dcl      &nbr      *dec       5      0
4000 /*      dcl      &objaut    *char      10
4100 /*      dcl      &authority  *char      10
4200 /*      dcl      &autoreq    *char      70
4300 /*      dcl      &okay      *char       1
4400 /*      dcl      &RcvVar    *char      93
4500 /*      dcl      &VarLen    *char       4      x'00000005D'
4600 /*      dcl      &Fmtnam    *char       8      USRA0100
4700 /*      dcl      &Objtyp    *char      10
4800 /*      dcl      &ErrDta    *char     116
4900 /*      dcl      &ErrDta2    *char     116
5000 /*      dcl      &bin4      *char       4
5100 /*      dcl      &Erravl    *dec      15
5200 /*-----*/
5300 /*-----*/

```

SOURCE FILE ANUBLA/QCLLESRC
 MEMBER CHKAUT

```

SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
5400 /* error message variables */
5500 /*-----*/
5600          dcl          &error          *lgl          /* std err */
5700          dcl          &msgid          *char          7          /* std err */
5800          dcl          &msgkey          *char          4          /* std err */
5900          dcl          &msgdta          *char          100         /* std err */
6000          dcl          &msgf           *char          10          /* std err */
6100          dcl          &msgflib          *char          10          /* std err */
6200          dcl          &msgtyp          *char          10          /* std err */
6300          dcl          &msgtypctr        *char          4 X'00000001' /* std err */
6400          dcl          &pgmmmsgq        *char          10          /* std err */
6500          dcl          &stkctr          *char          4 X'00000001' /* std err */
6600          dcl          &errbytes        *char          4 X'00000000' /* std err */
6700
6800          monmsg          msgid(cpf0000) exec(goto error)
6900
7000 /*-----*/
7100 /* Get the object name & library */
7200 /*-----*/
7300          chgvar          &Obj          %sst(&FullObj 1 10)
7400          chgvar          &Objlib        %sst(&FullObj 11 10)
7500          if              (%sst(&Objlib 1 1) = '') do
7600              rtvobjd          obj(&Obj)          +
7700                          objtype(&objtype)      +
7800                          rtnlib(&Objlib)
7900          enddo
8000          chkobj          obj(&Objlib/&Obj)      +
8100                          objtype(&objtype)
8200
8300 /*-----*/
8400 /* Retrieve user authority to the object */
8500 /*-----*/
8600          chgvar          &RcvVar          ' '
8700          chgvar          &Objtyp          &objtype
8800          chgvar          &ErrDta          X'00000074'
8900          call              pgm(QSYRUSRA)          +
9000                          parm(&RcvVar          +
9100                              &VarLen          +
9200                              &Fmtnam          +
9300                              &User          +
9400                              &FullObj          +
9500                              &Objtyp          +
9600                              &ErrDta)
9700          chgvar          &bin4          %sst(&ErrDta 5 4)
9800          chgvar          &ErrAvl          %bin(&bin4)
9900 /*-----*/
10000 /* Error found on the API, send error message */
10100 /*-----*/
10200          if              (&ErrAvl > 0) do
10300              chgvar          &ErrDta2          %sst(&ErrDta 1 &ErrAvl)
10400              chgvar          &Msgid          %sst(&ErrDta2 9 7)
10500              chgvar          &MsgDta          %sst(&ErrDta2 17 100)
10600              if              (&Msgid *ne ' ') do

```

SOURCE FILE ANUBLA/QCLLESRC
 MEMBER CHKAUT

```

SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
10700          sndpgmmmsg  msgid(&Msgid)      +
10800          msgdta(&MsgDta)      +
10900          msgf(QCPFMSG)      +
11000          msgtype(*escape)
11100          enddo
11200          enddo
11300          chgvar      &ObjAut      %sst(&RcvVar 9 10)
11400
11500 /*-----*/
11600 /*  Get the list of authorities requested  */
11700 /*-----*/
11800          chgvar      &Nbr      %bin(&Auts 1 2)
11900          chgvar      &Nbr      (&Nbr * 10)
12000          chgvar      &AutReq      %sst(&Auts 3 &Nbr)
12100
12200 /*-----*/
12300 /*  Check the requested authorities Vs &ObjAut returned  */
12400 /*-----*/
12500  chkaut:
12600          chgvar      &Authority      %sst(&AutReq 1 10)
12700          If          (&Authority = ' ')      goto nomore
12800          chgvar      &Okay      'Y'
12900
13000          If          (&Authority *eq 'ALL'      *and +
13100                    &Objaut *ne 'ALL')      do
13200          chgvar      &Okay      'N'
13300          enddo
13400          If          (&Authority *eq 'CHANGE'      *and +
13500                    &Objaut *ne 'ALL'      *and +
13600                    &Objaut *ne 'CHANGE')      do
13700          chgvar      &Okay      'N'
13800          enddo
13900          If          (&Authority *eq '*USE'      *and +
14000                    &Objaut *ne 'ALL'      *and +
14100                    &Objaut *ne '*CHANGE'      *and +
14200                    &Objaut *ne '*USE')      do
14300          chgvar      &Okay      'N'
14400          enddo
14500          If          (&Authority *eq '*EXCLUDE'      *and +
14600                    &Objaut *ne '*EXCLUDE')      do
14700          chgvar      &Okay      'N'
14800          enddo
14900
15000          If          (&Authority *eq '*OBJOPR')      do
15100          chgvar      &Okay      %sst(&RcvVar 20 1)
15200          enddo
15300          If          (&Authority *eq '*OBJMGT')      do
15400          chgvar      &Okay      %sst(&RcvVar 21 1)
15500          enddo
15600          If          (&Authority *eq '*OBJEXIST')      do
15700          chgvar      &Okay      %sst(&RcvVar 22 1)
15800          enddo
15900          If          (&Authority *eq '*OBJALTER')      do

```

SOURCE FILE ANUBLA/QCLLESRC
 MEMBER CHKAUT

```

SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
16000      chgvar      &Okay      %sst(&RcvVar  92  1)
16100      enddo
16200      If          (&Authority *eq '*OBJREF')      do
16300      chgvar      &Okay      %sst(&RcvVar  93  1)
16400      enddo
16500      If          (&Authority *eq '*READ')      do
16600      chgvar      &Okay      %sst(&RcvVar  23  1)
16700      enddo
16800      If          (&Authority *eq '*ADD')      do
16900      chgvar      &Okay      %sst(&RcvVar  24  1)
17000      enddo
17100      If          (&Authority *eq '*UPD')      do
17200      chgvar      &Okay      %sst(&RcvVar  25  1)
17300      enddo
17400      If          (&Authority *eq '*DLT')      do
17500      chgvar      &Okay      %sst(&RcvVar  26  1)
17600      enddo
17700      If          (&Authority *eq '*EXECUTE')      do
17800      chgvar      &Okay      %sst(&RcvVar  81  1)
17900      enddo
18000
18100 /*-----*/
18200 /* NOT AUTHORIZED! */
18300 /*-----*/
18400      If          (&Okay *eq 'N')      do
18500      sndpgmmmsg  msgid(CPF9802)      +
18600      msgf(QCPFMSG)      +
18700      msgdta(&Obj || &Objlib || +
18800      %sst(&Objtyp 2 6)) +
18900      msgtype(*escape)
19000      enddo
19100
19200      chgvar      &AutReq      %sst(&AutReq  11  60)
19300      goto      chkaut
19400
19500  nomore:
19600      return
19700
19800 /*-----*/
19900 /* error routine: */
20000 /*-----*/
20100  error:
20200      if          &error      (goto errordone)
20300      else      chgvar      &error '1'
20400 /*-----*/
20500 /* move all *DIAG message to *PRV program queue*/
20600 /*-----*/
20700      call      QMHMOVPM      (&msgkey      +
20800      &msgtyp      +
20900      &msgtypctr      +
21000      &pgmmmsgq      +
21100      &stkctr      +
21200      &errbytes)

```

SOURCE FILE ANUBLA/QCLLESRC
MEMBER CHKAUT

```
SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
21300      /*-----*/
21400      /* resend the last *ESCAPE message */
21500      /*-----*/
21600  errordone:
21700          call          QMHRSNEM      (&msgkey      +
21800          &errbytes)
21900          monmsg      cpf0000      exec(do)
22000          sndpgmmmsg  msgid(cpf3cf2) msgf(QCFPMSG) +
22100          msgdta('QMHRSNEM') msgtype(*escape)
22200          monmsg      cpf0000
22300          enddo
22400  end:      endpgm
```

* * * * E N D O F S O U R C E * * * *