

SOURCE FILE LAXAXS/QRPGLESRC
MEMBER DPCSOCKET

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SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
 100 F*-----
 200 F* Program: DPCSOCKET          Title: Denied Party socket to NextLinx
 300 F* Date: 02/07/05             Programmer: AS_UT
 400 F*-----
 500 H DFTACTGRP(*NO) ACTGRP(*NEW) BNDDIR('LIBHTTP/HTTPAPI') BNDDIR('QC2LE')
 600
 700 *-----
 800 **
 900 ** This program uses HTTP POST operation with data from a strem file.
1000 ** The Outbound xml file is sent to NextLinx and the Inbound xml file
1100 ** is received.
1200 **
1300 ** Compile with:
1400 ** CRTBNDRPG dpcsocket SRCFILE(QRPGLESRC) DBGVIEW(*LIST)
1500 **
1600 *-----
1700
1800 D/copy libhttp/qrpglesrc,httpapi_h
1900 D/copy libhttp/qrpglesrc,ifsio_h
2000 D/copy libhttp/qrpglesrc,errno_h
2100
2200 D cmd          pr          extpgm('QCMDEXC')
2300 D  command          200A  const
2400 D  length          15P 5 const
2500
2600 *
2700 * Create User Space API
2800 *
2900 D QUSCRTUS      PR          ExtPgm('QUSCRTUS')
3000 D  UserSpc      20A  const
3100 D  ExtAttr      10A  const
3200 D  InitSize     10I 0 const
3300 D  InitVal      1A  const
3400 D  PublicAuth   10A  const
3500 D  Text         50A  const
3600 D  Replace      10A  const
3700 D  ErrorCode    32766A options(*varsize)
3800
3900 *
4000 * retrieve pointer to user space API
4100 *
4200 D QUSPTRUS      PR          ExtPgm('QUSPTRUS')
4300 D  UserSpc      20A  CONST
4400 D  Pointer      *
4500
4600 D dsEC          DS
4700 D  dsECBytesP    10I 0 INZ(%size(dsEC))
4800 D  dsECBytesA    10I 0 INZ(0)
4900 D  dsECMsgID     7A
5000 D  dsECReserv    1A
5100 D  dsECMsgDta    240A
5200
5300 D rc            s          10I 0
```

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5400      D p_data          S          *                               10/30/02
5500      D mystat          S          like(statds)                    10/30/02
5600      D stmf            S          256A                           10/30/02
5700      D instmf          S          256A                           02/23/05
5800      D sf              s          10I 0                          10/30/02
5900      D Ref#            s          12                             02/23/05
6000      D Error           s          2                               02/23/05
6100      *-----
6200
6300      c      *entry      plist
6400      c                      parm          Ref#                    02/23/05
6500      c                      parm          Error                    02/23/05
6600
6700      c                      eval          *inlr = *on              10/30/02
6800
6900      ** whatever data is in this stream file will                10/30/02
7000      ** be POSTed to the URL below.                               10/30/02
7100      c                      eval          stmf = '/UTi_XML/NextLinx' 02/17/05
7200      c                      + '/tmp/Outbound'                    02/17/05
7300      c                      + %trim(Ref#)                         02/23/05
7400      c                      + '.xml'                             02/17/05
7500
7600      c                      exsr          GetStmfSiz                10/30/02
7700      c                      exsr          CrtUsrSpc                10/30/02
7800      c                      exsr          CopyToSpc                10/30/02
7900
8000      c                      eval          instmf = '/UTi_XML/NextLinx/tmp/Inbound' 02/23/05
8100      c                      + %trim(Ref#)                        02/23/05
8200      c                      + '.xml'                             02/23/05
8300      c                      eval          rc=http_url_post('http://gtp.nextlinx' 02/17/05
8400      c                      + '.com/TransactionEngine':          02/17/05
8500      c                      p_data: st_size:instmf)                02/23/05
8600      c                      if          rc <> 1                    10/30/02
8700      * Error call http_utl_post. It can be failed connection to NextLinx. 02/22/05
8800      c                      move          '01'          Error        02/22/05
8900      c                      return
9000      c                      endif
9100
9200      c                      return
9300
9400
9500      *-----
9600      C*  Get stream file size.   The resulting size (from the stat DS) 10/30/02
9700      C*  will be placed in the ST_SIZE variable.                       10/30/02
9800      *-----
9900      csr  GetStmfSiz      begsr
10000     c                      eval          p_statds = %addr(mystat) 10/30/02
10100
10200     c                      if          stat(%trimr(stmf): %addr(mystat)) <> 0 10/30/02
10300     * Can't find outbound stream file                                02/22/05
10400     c                      move          '02'          Error        02/22/05
10500     c                      return
10600     c                      endif

```

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SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
10700      csr                      endsr                                10/30/02
10800      *-----
10900      C*   Create a user space that's ST_SIZE bytes long, and        10/30/02
11000      C*   get a pointer to that user space as 'p_data'              10/30/02
11100      *-----
11200      csr      CrtUsrSpc      begsr                                10/30/02
11300      C** Create the user space                                       10/30/02
11400      c                      callp      QUSCRTUS('DPCSOCKET QTEMP':    02/17/05
11500      c                      'HTTPAPI':                                01/21/05
11600      c                      st_size: x'00':                          10/30/02
11700      c                      '*ALL':                                  10/30/02
11800      c                      'HTTPAPI DPCSOCKET User Space':          02/17/05
11900      c                      '*YES':                                  10/30/02
12000      c                      dsEC)                                    10/30/02
12100                                           10/30/02
12200      c                      if      dsECBytesA > 0                  10/30/02
12300      * Error occurred while creating user space.                    02/22/05
12400      c                      move      '03'      Error              02/22/05
12500      c                      return                                     10/30/02
12600      c                      endif                                    10/30/02
12700                                           10/30/02
12800      C** Get pointer to user space                                    10/30/02
12900      c                      callp      QUSPTRUS('DPCSOCKET QTEMP': p_Data) 02/17/05
13000                                           02/18/05
13100      csr                      endsr                                10/30/02
13200      *-----
13300      C*   Copy all of the data from the stream file to the user space 10/30/02
13400      *-----
13500      csr      CopyToSpc      begsr                                10/30/02
13600      c                      eval      sf = open(%trimr(stmf):          10/30/02
13700      c                      O_RDONLY + O_TEXTDATA)                    10/30/02
13800      c                      if      sf < 0                            10/30/02
13900      * Cannot open Outbound file                                     02/22/05
14000      c                      move      '04'      Error              02/22/05
14100      c                      return                                     10/30/02
14200      c                      endif                                    10/30/02
14300                                           10/30/02
14400      c                      if      read(sf: p_data: st_size) < st_size 10/30/02
14500      * Unable to read the entire outbound file                    02/22/05
14600      c                      callp      close(sf)                      10/30/02
14700      c                      move      '05'      Error              02/22/05
14800      c                      return                                     10/30/02
14900      c                      endif                                    10/30/02
15000                                           10/30/02
15100      c                      callp      close(sf)                      10/30/02
15200      csr                      endsr                                10/30/02
15300      *-----
15400      /define ERRNO_LOAD_PROCEDURE                                     10/30/02
15500      /copy libhttp/qrpglesrc,errno_h                                10/30/02
```

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