

SOURCE FILE ALEX/QCLLESRC
MEMBER SETUPSMTP

```

SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
100 /*-----*/
200 /*   Programmers Group & Management Resource   Copyright   2002   */
300 /*-----*/
400 /*           \\|                                     */
500 /*           ( o   o )                               */
600 /*-----o00---( )---00o-----*/
700 /*-----*/
800 /* System name . . . : IT Operations                */
900 /* Program name . . . : SETUPSMTP                  */
1000 /* Text . . . . . : Called to setup SMTP on a system. */
1100 /*-----*/
1200 /*           oooooO           Ooooo                */
1300 /*           (   )           (   )                  */
1400 /*------( )-----*/
1500 /*           ( )           ( )                      */
1600 /*-----*/
1700 /* Author . . . . . : Alexander Nubla                */
1800 /* Description . . . : This program retrieves the attributes */
1900 /*                   of SMTP & POP prior to making changes. */
2000 /*                   These files are copied to QRPLOBJ -- */
2100 /*                   QATMSMTP, QATMPOPA, QATOCHOST.      */
2200 /*-----*/
2300 /*-----*/
2400 /* Modification Log:                                */
2500 /*-----*/
2600 /* Mod                                                    */
2700 /* Date No. Programmer/Description                    */
2800 /* 12/04/01 Alex Nubla                                */
2900 /* Created                                              */
3000 /*-----*/
3100 /*-----*/
3200 /*           pgm      (&MailRtrIP /* Mail Router IP      */ +
3300 /*                   &MailRtr) /* Mail Router          */
3400 /*-----*/
3500 /*-----*/
3600 /* declaration                                           */
3700 /*-----*/
3800 /*           dcl      &MailRtrIP *char 15
3900 /*           dcl      &MailRtr  *char 256
4000 /*
4100 /*           dcl      &interactv *char 1
4200 /*-----*/
4300 /*-----*/
4400 /* parameter for Error Handling routine                  */
4500 /*-----*/
4600 /*           dcl      &error *lgl /* std err */
4700 /*           dcl      &msgid *char 7 /* std err */
4800 /*           dcl      &msgkey *char 4 /* std err */
4900 /*           dcl      &msgdta *char 100 /* std err */
5000 /*           dcl      &msgf *char 10 /* std err */
5100 /*           dcl      &msgflib *char 10 /* std err */
5200 /*           dcl      &msgtyp *char 10 '*DIAG' /* std err */
5300 /*           dcl      &msgtypctr *char 4 X'00000001' /* std err */

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5400          dcl          &pgmmsgq  *char  10  '*'          /* std err */
5500          dcl          &stkctr  *char   4  X'00000001' /* std err */
5600          dcl          &errbytes *char   4  X'00000000' /* std err */
5700
5800          monmsg      msgid(cpf0000) exec(goto error)
5900
6000 /*-----*/
6100 /* Send message - this will take a while */
6200 /*-----*/
6300          rtvjoba      type(&interactv)
6400          if          (&interactv = '1') then(do)
6500              rmvmsg      clear(*all)
6600              sndpgmmsg  msgid(cpf9898)          +
6700                      msgf(qcpfmsg)            +
6800                      msgtype(*status)         +
6900                      topgmq(*ext)              +
7000                      msgdta('SMTP setup in progress. +
7100                      Please wait')
7200          enddo
7300          chgjob      logclpgm(*Yes)          +
7400                  stsmg(*None)
7500
7600 /*-----*/
7700 /* Make sure mail server is connected to the system. */
7800 /*-----*/
7900          qsys/ping  rmtsys(&MailRtrIP)          +
8000                  msgmode(*Quiet)
8100          monmsg      TCP3202  exec(do)
8200          if          (&Interactv = '0')      goto error
8300          rcvmsg      msgtype(*last)          +
8400                  msgdta(&msgdta)            +
8500                  msgid(&msgid)              +
8600                  msgf(&msgf)                +
8700                  msgflib(&msgflib)
8800          sndpgmmsg  msgid(&msgid)          +
8900                  msgf(&msgflib/&msgf)      +
9000                  msgdta(&msgdta)
9100          goto      end
9200          enddo
9300          rmvmsg      clear(*all)
9400
9500 /*-----*/
9600 /* Setup *LIBL for SMTP */
9700 /*-----*/
9800          addlible  QusrSys
9900          monmsg      cpf0000
10000
10100 /*-----*/
10200 /* Copy all Attributes to QRPLOBJ library */
10300 /*-----*/
10400          crtduobj  obj(QATMSMTP)          +
10500                  fromlib(QusrSys)        +
10600                  objtype(*file)          +

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SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
10700          tolib(QRplObj)          +
10800          data(*yes)
10900      monmsg      cpf0000
11000
11100      crtdupobj  obj(QATMPOPA)      +
11200          fromlib(QUsrSys)        +
11300          objtype(*file)         +
11400          tolib(QRplObj)          +
11500          data(*yes)
11600      monmsg      cpf0000
11700
11800      crtdupobj  obj(QATOCHOST)     +
11900          fromlib(QUsrSys)        +
12000          objtype(*file)         +
12100          tolib(QRplObj)          +
12200          data(*yes)
12300      monmsg      cpf0000
12400
12500 /*-----*/
12600 /* Change the attributes                */
12700 /*-----*/
12800
12900      /*-----*/
13000      /* SMTP                            */
13100      /*-----*/
13200      chgsmtpa    autostart(*Yes)      +
13300          mailrouter(&MailRtr)      +
13400          ccsid(00819)
13500      monmsg      cpf0000
13600      /*-----*/
13700      /* Host Table Entry                */
13800      /*-----*/
13900      addtcphte   intnetadr(&MailRtrIP) +
14000          hostname(&MailRtr)
14100      monmsg      cpf0000
14200      /*-----*/
14300      /* POP                              */
14400      /*-----*/
14500      chgpopa     msgsplit(1024)      +
14600          mimeccsid(00819 *BESTFIT)
14700      monmsg      cpf0000
14800      /*-----*/
14900      /* Message Split                    */
15000      /*-----*/
15100      crtddaara   dtaara(QusrSys/QtmsNoSpl) +
15200          type(*char)                +
15300          len(1)
15400      monmsg      cpf0000
15500
15600 /*-----*/
15700 /* Add directory entries used by SMTP    */
15800 /*-----*/
15900      adddire     usrid(internet gateway) +

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16000          usrd('Internet SMTP gateway')  +
16100          sysname(INTERNET)              +
16200          prefadr(Netusrid *IBM Gateway)  +
16300          monmsg      cpf0000
16400          chgdsta     smtprte(internet gateway)  +
16500
16600
16700 /*-----*/
16800 /* Start the SMTP server                      */
16900 /*-----*/
17000          endtcpsvr  server(*smtp *pop)
17100          monmsg      cpf0000
17200
17300          strtcpvsvr server(*smtp *pop)
17400          monmsg      cpf0000
17500
17600
17700 finish:
17800          goto        end
17900
18000 /*-----*/
18100 /* error routine:                             */
18200 /*-----*/
18300 error:
18400          if          &error      (goto errordone)
18500          else        chgvar      &error '1'
18600          /*-----*/
18700          /* move all *DIAG message to *PRV program queue*/
18800          /*-----*/
18900          call        QMHMOVPM    (&msgkey      +
19000                                &msgtyp      +
19100                                &msgtypctr    +
19200                                &pgmmmsgq    +
19300                                &stkctr      +
19400                                &errbytes)
19500          /*-----*/
19600          /* resend the last *ESCAPE message      */
19700          /*-----*/
19800 errordone:
19900          call        QMHRSNEM    (&msgkey      +
20000                                &errbytes)
20100          monmsg      cpf0000    exec(do)
20200          sndpgmmsg   msgid(cpf3cf2) msgf(QCFPMMSG) +
20300                                msgdta('QMHRSNEM') msgtype(*escape)
20400          monmsg      cpf0000
20500          enddo
20600 end:          endpgm

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

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