

! S EMAILSWK.MTB
! O EMAILSWK, PRG
! L LP5, E
! R QMONITOR

! =====
=====

! C O M M E N T S

! =====
=====

! Program: This program is used to send the weekly status report to the
saleman

! via e-mail.

!
!
! Requires: Comet2000 Build 294 or greater
! Type 3 gateway
! Internet connection to SMTP server

! Description:

! This is a demonstration "front end" program for sending e-mail from a
! Comet system, via an SMTP server, to an Internet e-mail address.

!
! This program sets values for the following values:

- !
- ! 1. SMTP server name (needed for the Winsock CONNECT command)
 - ! 2. Your domain/server name (needed for the SMTP HELO command)
 - ! 3. Sender's e-mail address and name (SMTP command and e-mail header)
 - ! 4. Recipient's e-mail address and name (SMTP command the e-mial
header)
 - ! 5. Subject line (e-mail header)
 - ! 6. Date (e-mail header)

!
! This program also sets text lines explaining the incoming report file.

! This program sends a pdf file to each salesman e-mail address accessed

! in the Salesman Weekly Status Report.

!
!
! For more information about the SMTP e-mail commands, see the
SENDMAIL.MTB
! source program.

! Notes:

- !
- ! 1. The beginning of the code section contains several lines where the
! default values can be set.
 - !
 - ! 2. This program prints the filename, directory, and display flag

fields to the
 ! input/output buffer just before entering the SENDMAIL subprogram.
 The SENDMAIL
 ! program then reads these values from the I/O buffer.

```

=====
!
!   D A T A   S E C T I O N
!
=====
=====

```

```

      LENGTH      1  & LOCAL A$, RESPONSE$, ERASEFLAG$
      LENGTH    1.0  & LOCAL ERR
      LENGTH      2  & LOCAL DV$, K2$, PSLMN$
      LENGTH      3  & LOCAL DIRECTORY$, DISPLAY$, OSIZ$, EDIR$
      LENGTH    3.0  & LOCAL I, J, SQTY
      LENGTH      9  & LOCAL K9$
      LENGTH     12  & LOCAL FILENAME$, K12$, FILE$, EFL$
      LENGTH     20  & LOCAL COLORS$
      LENGTH     35  & LOCAL From.name$, From.address$ ! Sender name and
address
      LENGTH     35  & LOCAL To.name$, To.address$      ! Recipient
      LENGTH     35  & LOCAL EMAILSAD$                  ! STORE E-MAIL
ADDRESS
      LENGTH     35  & LOCAL SEMAIL$                     ! Salesman e-mail
address
      LENGTH     40  & LOCAL SMTP.server$, Domain.name$ ! SMTP server,
Domain name
      LENGTH     50  & LOCAL Subject$, Today$
      LENGTH     80  & LOCAL TEXT$(399), STSMMSG$, LINE$, X$, DATA$

```

use '^COMPANY'

```

001  FORMAT DATA$                                     !!PSLMN$;SEMAIL
$, EFL$;EDIR$

```

```

=====
!
!   F O R M A T   S E C T I O N
!
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BUFFER: FORMAT FILENAME$;DIRECTORY$;DISPLAY$          ! I/O buffer
format

```

```

ENTDIV: FORMAT _
      (CS);(SB);"E-mail Salesman Reports";(BF);(SF);"Enter division
code:",@(0,2)

```

```

SCREEN: FORMAT _
      (CPL80);_
      (SB);_
      @(0,0);(BF);_

```

```

        "MAIL 2.0 -- Comet E-mail Saleman Reports Program",@(15,0);_
        @(0,1);LINE$;@(30,1);DIVNAM$;_
        @(0,2);"Outgoing (SMTP) Mail Server:";_
        (BF);_
        @(0,3);"Your Domain/Server Name:";_
        (BF);_
        @(0,4);LINE$;_
        @(0,5);(BF);_
        "E-mail address",@(10,5);_
        "Name (optional)",@(45,5);_
        @(0,6);"From:";_
        (BF);_
        @(0,7);"To:";_
        (BF);_
        @(0,8);(BF);_
        @(0,9);"Subject:";_
        (BF);_
        @(0,10);"Date:";_
        (BF);_
        @(0,11);LINE$;_
        @(0,12);"This program will email salesman status reports";(BF)

```

```

DATA: FORMAT _                                ! Data/Screen variables
        @(30,2);SMTP.Server$;_
        @(30,3);Domain.name$;_
        @(10,6);From.address$;_
        @(45,6);From.name$;_
        @(10,9);Subject$

```

```

TOMAIL: FORMAT _
        @(45,7);To.name$

```

```

STATUS: FORMAT _
        @(0,15);(CFLD);_
        @(20,15);STSMSG$

```

```

99 FORMAT ''

```

```

!=====
=====
!       C O D E   S E C T I O N
!=====
=====

```

```

SOJ:
    SET TERMINAL=0, EMLCON=2, EFILE=3
    SET DIVISION=4, SEMAIL=5

    CLEAR
    CLOSE
    OPEN(TERMINAL)TERM$

```

```

OPEN(DIVISION)'DIVISION'

ENTERDIV:
!      PRINT(0,ENTDIV)
!      INPUT @(21,2),DIV$
!      IF DIV$ = '' RUN '.SELARM0',EXCP = EOJ
        DIV$='NR'
        INQUIRE(DIVISION,610)KEY=DIV$,EXCP=ENTERDIV

        DV$=DIV$

        FILE$=DV$+'EMLSWK'
        OPEN(EMLCON)FILE$,EXCP=ENTERDIV

        FILE$=DV$+'SEMAIL'
        OPEN(SEMAIL)FILE$

PCN:
        ESCAPETO EOJ                                ! Set F3 trap

! *** Set default values

!!      SMTP.server$ = "mail.nourison.com"           !
Default SMTP server
!!      Domain.name$ = "nourison.com"               !
Default domain/server name
!!      From.address$ = "customerservice"+"@40@"+"nourison.com" !
Sender's e-mail address
!!      From.name$    = "Customer Service"          !
Sender's name (optional)
!!      Subject$      = "E-Mail Statement"

!!
!!      SMTP.server$ = SMTPSRV$                     !
Default SMTP server
        SMTP.server$ = "mail.pdfsystems.com"
        Domain.name$ = "kumquatinc.com"
!!      Domain.name$ = DOMAIN$                       !
Default domain/server name
        From.address$ = "reports"+"@40@"+"kumquatinc.com"
!!      From.address$ = "reports"+"@40@"+DOMAIN$     !
Sender's e-mail address
        From.name$    = "Reports"                    ! Sender's
name (optional)
        Subject$      = "Weekly Status Report"

        DIRECTORY$    = "TXT"                        ! Directory for
text file

        A$            = DSTAT("CL1")                ! Refresh the
date/time
        Today$        = NUM2DATE(DATE2NUM(DATE$,0),4) ! Build date/time
string

```

```

        LINE$          = STRING("@10@",80)                ! Define line
string

! *** Main section of program

TOP:
    Print(0,SCREEN) & Print(0,DATA)                      ! Display main
screen
    ! INPUT @(30,2),SMTP.server$                          ! Input SMTP
server name
    IF SMTP.Server$ = "" THEN GOTO EOJ                    ! If null, goto
EOJ

    ! INPUT @(30,3),Domain.name$                          ! Input domain
name
    IF Domain.name$ = "" THEN GOTO EOJ                    ! If null, goto
EOJ

    ! INPUT @(10,6),From.address$                         ! Input sender's
address
    IF From.address$ = "" THEN GOTO EOJ                    ! If null, goto
EOJ

    ! INPUT @(45,6),From.name$                            ! Input sender's
name

    ! INPUT @(10,7),To.address$                           ! Input recipient
address
    ! IF To.address$ = "" THEN GOTO EOJ                    ! If null, goto
EOJ

    ! INPUT @(45,7),To.name$                              ! Input
recipient's name
    To.name$='Customers name'                            ! (field is
optional)

    ! INPUT @(10,9),Subject$                              ! Input subject
line
    IF Subject$ = "" THEN GOTO EOJ                        ! If null, goto
EOJ

    Print Today$,@(10,10)                                 ! Display default
value
    ! INPUT @(10,10),Today$                               ! Input date/time
    ! IF Today$ = "" THEN GOTO EOJ                        ! If null,
goto EOJ

WaitForData:

    STSMMSG$='      Waiting for STATUS REPORT '+DV$
    PRINT(0,STATUS) & PAUSE(5)
    STSMMSG$='      Waiting for STATUS REPORTS '+DV$

```

```

    PRINT(0,STATUS) & PAUSE(5)
    STSMMSG$='      Waiting for STATUS REPORTS. '+DV$
    PRINT(0,STATUS) & PAUSE(5)
    STSMMSG$='      Waiting for STATUS REPORTS.. '+DV$
    PRINT(0,STATUS) & PAUSE(5)
    STSMMSG$='      Waiting for STATUS REPORTS... '+DV$
    PRINT(0,STATUS) & PAUSE(5)
    STSMMSG$='      Waiting for STATUS REPORTS.... '+DV$
    PRINT(0,STATUS) & PAUSE(5)

    READ(EMLCON,99)KEY='',EXCP=FIRST
FIRST: K12$=KEY(EMLCON,EXCP=WFDErrorTrap)
    K2$=SUB(K12$,3,2)

    !@@    FOR I=1 TO 3
    !@@          TEXT$(I)=''
    !@@    NEXT I

    I=1

    !@@          TEXT$(1)=''
    !@@          TEXT$(2) = 'Salesman status report for last week attached'
    !@@          TEXT$(3) = ''

    IF K2$='TS' _
        SEMAIL$="rfrenchsales"+"@40@"+"comcast.net" & _
        !"pmuschamp"+"@40@"+"nourison.com"
        To.name$="Pat Muschamp" & GOTO NXT1

    INQUIRE(SEMAIL,001)KEY=K2$,EXCP=NoEmailAddress !GET E-MAIL
ADDRESS
    IF SUB(DATA$,3,1) LE ' ' _                                ! If
no email address
        GOTO NoEmailAddress
    SEMAIL$=SUB(DATA$,3,35)
    To.name$ = SUB(DATA$,53,20)

NXT1:      PRINT(0,TOMAIL)

PROCESS: STSMMSG$='Processing e-mail report for salesman#: '+K2$
    PRINT(TERMINAL,STATUS)    !!& INPUT(TERMINAL)''

    To.address$=SUB(DATA$,3,35)    !!!& PRINT '*' ,@(0,20);To.address
$;'*' & input(0)''
    Subject$="Report: " + SUB(DATA$,38,12)

    IF K2$='TS' _
        To.address$=semail$ & _    ! "pmuschamp"+"@40
@"+"nourison.com" & _
        Subject$="Report: "+K12$

```

```

GOTO SendMessage

NoEmailAddress:
  STMSG$='No email address on file for salesman#: ' + K2$
  PRINT(TERMINAL,STATUS) & PAUSE(25)
  To.address$=SEMAIL$
  Subject$="Missing email address"
  TEXT$(1)='No email address found '
  TEXT$(2)='for salesman: '+K2$+'.'
  TEXT$(3)='Please update salesman master file with email address.'

  GOTO SendMessage

WFErrorTrap:
  IF EXCP NE 2 ERROR
    RUN '.SELTXT0',EXCP=E0J                ! REM THIS STATEMENT
  IF NEED DIVISION LOOPING

NextDivision:
  INQUIRE(DIVISION,610),EXCP=FindDivision
  GO OpenDivisionFiles
FindDivision:
  INQUIRE(DIVISION,610)KEY='',EXCP=NextDivision
OpenDivisionFiles:
  DV$=DIV$
  FILE$=DV$+'EMLSWK'
  CLOSE(EMLCON) & OPEN(EMLCON)FILE$,EXCP=NextDivision

  PAUSE(10) & GOTO WaitForData

WhatToDo:                                ! Options
  Print (Create Window=2,13,75,23)
  Print "(S)end mail, (E)dit message, or (Q)uit: S",@(0,0);(BF)
  !Input @(40,0),RESPONSE$                ! Input response
  RESPONSE$ = 'S'  !UCASE(RESPONSE$)      ! Upper case

  SELECT CASE RESPONSE$
    CASE "E"                                ! E = edit message
      Print (Delete Window)
      GOTO WaitForData
    CASE "S"                                ! S = send message
      GOTO SendMessage
    CASE "Q"                                ! Q = quit
      Print (Delete Window)
      GOTO E0J
    CASE ELSE                                ! Otherwise, try
      again...
      Print (Delete Window)
      GOTO WhatToDo
  ENDSELECT

```

! - - - - -
- - - - -

SendMessage:

! *** Create a text file for the contents of the e-mail message.
! The name of the file is the SALESMAN#

MakeTextFile:

```
FILENAME$ = DV$+K2$  
FILENAME$ = FILENAME$ + ".TXT"  
  
ERASE FILENAME$, DIR=DIRECTORY$, EXCP=CreateTextFile
```

CreateTextFile:

```
CREATE FILENAME$, DIR=DIRECTORY$, EXCP=OpenTextFile
```

OpenTextFile:

```
OPEN (EFILE) FILENAME$
```

! *** Write the records to the text file. The sequence of records must
match
! the READ statements in the SENDMAIL subprogram. For details, see
the
! comments in the SENDMAIL.MTB source program.

WriteToFile:

```
Print (EFILE) "CONNECT ";SMTP.server$;" MAIL"  
Print (EFILE) "HELO ";Domain.name$  
Print (EFILE) "MAIL FROM: ";From.address$  
Print (EFILE) "RCPT TO: ";To.address$  
Print (EFILE) "DATA"  
Print (EFILE) "Date: ";Today$  
Print (EFILE) "From: ";''';From.name$;''';" <";From.address$;">"  
Print (EFILE) "Reply-To: ";''';From.name$;''';" <";From.address  
$;">"  
Print (EFILE) "To: ";''';To.name$;''';" <";To.address$;">"  
Print (EFILE) "Subject: ";Subject$  
  
PRINT (EFILE) 'Content-Type: text/html; charset="us-ascii"'  
PRINT (EFILE) 'Content-transfer-Encoding: 7bit'  
PRINT (EFILE) ""  
  
PRINT (EFILE) "<HTML>"  
PRINT (EFILE) "<HEAD>"  
PRINT (EFILE) "<TITLE>"  
PRINT (EFILE) "</TITLE>"  
PRINT (EFILE) "</HEAD>"  
PRINT (EFILE) "<BODY>"  
PRINT (EFILE) '<table border="0" width="490">'  
PRINT (EFILE) "<tr>"
```

```

        PRINT (EFILE) "<td>"
        PRINT (EFILE) "<PRE>"

        Print (EFILE) ""

!      Print (EFILE) TEXT$(1)
!      Print (EFILE) TEXT$(2)
!      Print (EFILE) TEXT$(3)
!      Print (EFILE) TEXT$(4)
!      Print (EFILE) TEXT$(5)
!      Print (EFILE) TEXT$(6)
!      Print (EFILE) TEXT$(7)
!      Print (EFILE) TEXT$(8)
!      Print (EFILE) TEXT$(9)
!      Print (EFILE) TEXT$(10)

!@@  J=I                                !last line
!@@      FOR I=1 TO J
!@@      X$=TEXT$(I)
!@@      Print (EFILE) X$
!@@  NEXT I

Print (EFILE) ""
Print (EFILE) "Salesman Status Report for the last week attached."

        PRINT (EFILE) "</PRE>"
        PRINT (EFILE) "</td>"
        PRINT (EFILE) "</tr>"
        PRINT (EFILE) "</table>"
        PRINT (EFILE) "</BODY>"
        PRINT (EFILE) "</HTML>"

Print (EFILE) "."

CloseFile:
    CLOSE (EFILE)

    STSMMSG$='Processing email report for salesman# '+K2$
    PRINT(TERMINAL,STATUS)

! *** User input determines whether to erase file or not (after
processing)

!! Print "Erase this file after sending message? (Y/N) Y",@(0,5)
!! Input @(45,5),ERASEFLAG$
!! ERASEFLAG$ = UCASE(ERASEFLAG$)
    ERASEFLAG$ = 'N'                ! THIS CAUSES ERASE TEXT FILE AFTER
"SEMAIL"

! *** User input determines whether to display progress log or not.
!     DISPLAY$ is a COMMON field passed to SENDMAIL.

```

```

!! Print "Display progress log? (Y/N) Y",@(0,7)
!! Input @(28,7),RESPONSE$
!! RESPONSE$=UCASE(RESPONSE$)
   RESPONSE$='N'
   IF RESPONSE$ = "Y" THEN
       DISPLAY$ = "YES"
   ELSE
       DISPLAY$ = "NO"
   ENDIF

   Print (Delete Window)           ! Delete window

WriteBuffer:
   WRITE (#,BUFFER)                ! Write filename, directory,
                                   ! display flag to I/O buffer

SendMail:
   ENTER "SEMAIL"                  ! Enter the SENDMAIL
subprogram

EraseFile:                          ! After the message has been
sent:
   IF ERASEFLAG$ = "Y" THEN        ! If user option is "Y", then
       ERASE FILENAME$             ! erase text file

   ENDIF

   DELETE(EMLCON)KEY=K12$,EXCP=WaitForData    ! Delete Email statement
record
PRINT(EN)
Print(0,SCREEN) & Print(0,DATA)           ! Re-Display screen
GOTO WaitForData

EOJ:  RUN 'QMONITOR'    !STOP

END

```