geoGopherCon: connection editor

.T/
Pass1
.include geoGopherSym
.include geoGopherMac
.include geoGopher.inc
.include geoGopherSym

..endf

; constants for connection editor “dialog”
; note: 320-CON_WIDE must divide by 8 evenly (to position icons)
TTL_HIGH = 12 ;title height
FLD_HIGH = 20 ;height of text field, with offset
NUM_FLD = 3 ;number of text fields
CON_HIGH = (TTL_HIGH+8)+(FLD_HIGH*NUM_FLD)+24 ;icon height+8=24
CON_TOP = (200-CON_HIGH)/2
TXT_TOP = CON_TOP+TTL_HIGH+8 ;top of input text string
TXT_HEIGHT = 12 ;height of input text area
TXT_LEFT = 40
TXT_WIDE = 144
CON_WIDE = TXT_LEFT+TXT_WIDE+8
CON_LEFT = (320-CON_WIDE)/2
LBL_LEFT = CON_LEFT+8
LBL_BOT = CON_TOP+28 ;baseline of prompt string
SAV_LEFT = CON_LEFT+8 ;icon position
DEL_LEFT = CON_LEFT+72
CNC_LEFT = CON_LEFT+136
ICON_TOP = CON_TOP+(TTL_HIGH+8)+(FLD_HIGH*NUM_FLD)

; save/Delete/Cancel “dialog” (edit connection)
.cfgEdit: sec
.jsr winDims
.lda #1 ;solid (shadow box)
.jsr SetPattern
.jsr Rectangle
.clc
.jsr winDims
.lda #$00 ;clear
.jsr SetPattern
.jsr Rectangle
.jsr titleBar
.clc
.jsr winDims
.lda #$ff ;solid line
.jsr FrameRectangle
; show labels and text fields
lda tPort
bne 10$
lda #$'
stas tPort
lda #$'
stas tPort+1
lda #0
sta tPort+2
10$ LoadB a0L,0 ; field counter
LoadB a1L,LBL_BOT
LoadB a1H,TXT_TOP
20$ jsr showFld ; shows label and draws box for text area
AddVB #FLD_HIGH,a1L
AddVB #FLD_HIGH,a1H
inc a0L
lda a0L
cmp #NUM_FLD
bne 20$
LoadW r0,conIcons
jsr DoIcons
jsr getInput
rts

; Draw striped title bar at top of screen.
;*******************************************************************************
titleBar: lda #9 ; horizontal stripes
jsr SetPattern
LoadB r2L,CON_TOP
LoadB r2H,CON_TOP+TTL_HIGH
LoadW r3,CON_LEFT
LoadW r4,(CON_LEFT+CON_WIDE)-1
jsr Rectangle
LoadW r0,#conTitle
jsr strWidth ; returns string width in a0
LoadB r1H,CON_TOP+8
; ((window width - string width) / 2) + window left
LoadW r11,CON_WIDE
SubW a0,r11
clc
ror r11H
ror r11L
lda r11L
clc
adc #CON_LEFT
data r11L
lda r11H
data r11H
jsr PutString
rts

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; Display a text prompt, the bounding box for its input, and the
; default text for the input.
;          pass: a0L, item counter
;          a1L, baseline of prompt string
;          a1H, top of input text string
;=====================================================================
sрошFld:    lda a0L
            asl a
            тay
            lda lbiAddr,y
            sta r0L
            iny
            lda lbiAddr,y
            sta r0H
            MoveB a1L,r1H
            LoadW r11,LBL_LEFT
            jsr PutString
            lda a1H
            sta r2L
            clc
            adc #$ff ;solid line
            sta r2H
            LoadW r3,CON_LEFT+TXT_LEFT
            LoadW r4,(CON_LEFT+TXT_LEFT+TXT_WIDE)-1
            lda #$ff ;solid line
            jsr FrameRectangle
            lda a0L
            asl a
            тay
            lda txtAddr,y
            sta r0L
            iny
            lda txtAddr,y
            sta r0H
            MoveB a1L,r1H
            LoadW r11,CON_LEFT+TXT_LEFT+3
            jsr PutString
            rts
; Get the dimensions of the connection editor "dialog".
; pass: carry set to get shadow box dimensions

;===================================================================
winDims:  LoadB r2L,CON_TOP
LoadB r2H,(CON_TOP+CON_HIGH)-1
LoadW r3,CON_LEFT
LoadW r4,(CON_LEFT+CON_WIDE)-1
bcc 10$
AddVB 8,r2L
AddVB 8,r2H
AddVV 8,r3
AddVV 8,r4
10$
;===================================================================

; Clear connection editor area.
;===================================================================
clrCon:  lda #0
sta tName ;clear entry fields
sta tHost
sta tPort
ida #2 ;50% stipple
jsr SetPattern
jsr winDims
AddVB 8,r2H ;shadow box
AddVV 8,r4
jsr Rectangle
rts
;===================================================================

; Loop through input fields. Mouse click will select field.
;===================================================================
getInput:  LoadW rightMargin,(CON_LEFT+TXT_LEFT+TXT_WIDE)-3
LoadW StringFaultVector,0
php
sei
LoadW otherPressVector,conMouse
plp
reGet:  LoadB a0L,0 ;loop counter
LoadB a0H,TXT_TOP+2
getStrs:  lda a0L
mGetStrs:  asl a
tax
lda txtAddrs,x
sta r0L
lda txtAddrs+1,x
sta r0H
LoadB r1L,0 ;no string fault
MoveB a0H,r1H ;y position
ldx a0L
lda txtLens,x
sta r2L ;max. input length
5$
LoadW r11,CON_LEFT+TXT_LEFT+TXT_WIDE+3 ;x position
LoadW keyVector,gotInput
jsr GetString
rts
gotInput:  lda getting
bne 10$
rts
10$
AddVB #FLD_HIGH,a0H
inc a0L
lda a0L
cmp #NUM_FLD
bne getStrs
beq reGet
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conMouse: LoadB r2L,TXT_TOP
LoadB r2H,(TXT_TOP+TXT_HIG)-1
LoadW r3,CON_LEFT+TXT_LEFT
LoadW r4,(CON_LEFT+TXT_LEFT+TXT_WIDE)-1
ldx #0
10$ jsr IsMseInRegion
   tay ;force flags to be set
   bne 30$
   inx
   cpx #NUM_FLD
   bne 20$
   rts
20$ AdVB #FLD_HIG,r2L
   AdVB #FLD_HIG,r2H
   bne 10$
30$ txa
   pha
   lda #TXT_TOP+2
40$ dex
   bmi 50$
   clc
   adc #FLD_HIG
   bne 40$
50$ sta a0H
   pla
   sta a0L
   jmp mGetStrs
; icon handlers for connection editor "dialog"

doSave: jsr openCfg
        jsr validate
        bcc 10$
        jmp cfgEdit

10$ jsr killText
        lda cfgRec
        cmp #$ff ;new record?
        bne 40$ ;no, have record no.
        idx #2

20$ lda fileHeader,x ;VLIR index
        beq 30$ ;found an empty record
        inx
        inx
        lda 20$
        LoadW errMsg,cfgFull ;configuration file full
        LoadW RecoverVector,rstrStd
        LoadW r0,errorDB
        jsr DoDlgBox
        bra 60$

30$ txa ;convert to VLIR record no.
        clc
        ror a
        tax
        dex
        txa

40$ jsr PointRecord
        jsr cfgToBuf
        LoadW r2,cfgLen
        LoadW r7,cfgBuf
        jsr WriteRecord
        txa
        bne 50$
        jsr UpdateRecordFile
        txa
        bne 50$
        jsr CloseRecordFile
        txa
        beq 60$

50$ pha
        LoadW a8,savErr
        pla
        jsr showCode

60$ jsr clrCon
        jsr clrStat
        jmp cfgStart
doDelete:  jsr openCfg
          bcc 5$
          LoadW enMsg.cfgErr
          LoadW RecoverVector,rstrStd
          LoadW r0,errorDB
          jsr DoDlgBox
          bra 20$

5$          lda cfgRec
          sta curRecord
          jsr DeleteRecord
          txa
          bne 10$
          jsr UpdateRecordFile
          txa
          bne 10$
          jsr CloseRecordFile
          txa
          beq 20$

10$          pha
          LoadW a8,delErr
          pla
          20$          jsr showCode
          jsr clrText
          jsr clrCon
          jsr clrStat
          jmp cfgStart

doCancel:  jsr killText
          jsr clrCon
          jsr clrStat
          jmp cfgStart

iconNop:    rts ;for disabled Delete icon
Validate configuration entries.
return: carry flag set on error, clear otherwise

validate:

lda tName
bne 10$
LoadW errMsg,noConnNm
bra 60$
10$
lda tHost
bne 20$
LoadW errMsg,noHostNm
bra 60$
20$
lda tPort
bne 30$
LoadW errMsg,noPortNo
bra 60$
30$
ldx #0
40$
lda tPort,x
beq 70$
cmp #'0'
bcc 50$
cmp #'9'+1
bcs 50$
inx
bne 40$
50$
LoadW errMsg,badPort
60$
LoadW r0,errorDB
LoadW RecoverVector,rstrStd
jsr DoDlgBox
sec
rts
70$
jsr getCfgs ;check for duplicate name
lda numItems
beq 120$
LoadW a8,fgNames
LoadW a9,tName
80$
ldx #a8
ldy #a9
jsr CmpString
bne 90$
LoadW errMsg,dupCfg
bra 60$
90$
ldy #0
100$
lda (a8),y
beq 110$
in y
bne 100$
110$
in y ;past record no.
ty a
clc
adc a8L
sta a8L
lda a8H
adc #0
sta a8H
CmpW a8,fgEnd
bcc 80$
120$
clc
rts
; ======================================================================
; Copy to/from configuration buffer
; ======================================================================
cfgToBuf: ldx #0
    ldy #0
10$ lda tName,x
    sta cfgBuf,y
    beq 20$
    inx
    iny
    bne 10$
20$ ldx #0
    iny
30$ lda tHost,x
    sta cfgBuf,y
    beq 40$
    inx
    iny
    bne 30$
40$ ldx #0
    iny
50$ lda tPort,x
    sta cfgBuf,y
    beq 60$
    inx
    iny
    bne 50$
60$ rts

bufToCfg: ldx #0
    ldy #0
10$ lda cfgBuf,y
    sta tName,x
    beq 20$
    inx
    iny
    bne 10$
20$ ldx #0
    iny
30$ lda cfgBuf,y
    sta tHost,x
    beq 40$
    inx
    iny
    bne 30$
40$ ldx #0
    iny
50$ lda cfgBuf,y
    sta tPort,x
    beq 60$
    inx
    iny
    bne 50$
60$ rts

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; Open configuration file (create if not found).
; pass: nothing
; return: carry set on error, clear otherwise
; on error, A contains error code
;
openCfg:
  LoadW r6, cfgName
  jsr FindFile
  txa
  beq 30$
  cmp #FILE_NOT_FOUND
  bne 40$
  LoadW r9, cfgHead
  LoadB r10L, 1
  jsr SaveFile
  txa
  bne 40$
  LoadW r0, cfgName
  jsr OpenRecordFile
  txa
  beq 40$
  jsr AppendRecord
  txa
  beq 20$
  cpx #OUT_OF_RECORDS
  bne 40$
  lda #0
  jsr PointRecord
  LoadW r2, 1
  LoadW r7, cfgType
  jsr WriteRecord
  jsr UpdateRecordFile
  txa
  bne 40$
  clc
  rts
30$
  lda dirEntryBuf+OFF_GF_WRITE
  cmp #APPL_DATA
  bne 50$
  LoadW r9, dirEntryBuf
  jsr GetFHdrInfo
  txa
  bne 50$
  lda fileHeader+O_GHNAME, x
  cmp cfgPerm, x
  bne 50$
  inx
  cpx #20
  bne 35$
  LoadW r0, cfgName
  jsr OpenRecordFile
  txa
  bne 40$
  clc
  rts
40$
  pha
  LoadW a8, cfgErr
  pla
  jsr showCode
  jmp EnterDeskTop
50$
  LoadW errMsg, badCfg
  LoadW r0, errorDB
  LoadW RecoverVector, rstrDone
  jsr DoDlgBox
  jmp EnterDeskTop

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conTitle: .byte "gopher connection",0
lName: .byte "name:",0
lHost: .byte "host:",0
lPort: .byte "port:",0
lblAddrs: .word lName,lHost,lPort
tName: .byte 0
.block 30
tHost: .byte 0
.block 30
tPort: .byte "70",0,0,0,0
.block 30
txLens: .byte 30,30,5
.txtAddrs: .word tName,tHost,tPort
badCfg: .byte "Invalid configuration file!",0
cfgFull: .byte "Configuration file full!",0
noConnNm: .byte "You have not entered a name.",0
noHostNm: .byte "You have not entered a host name.",0
noPortNo: .byte "You have not entered a port number.",0
badPort: .byte "Invalid port number.",0
dupCfg: .byte "Duplicate configuration name.",0
cfgsErr: .byte "reading configurations!",0
cfgErr: .byte "opening configuration file!",0
savErr: .byte "saving configuration!",0
deiErr: .byte "deleting configuration!",0
getting: .byte 0 ;accepting input?
cfgBuf: .block 68 ;31+31+6
cfgRec: .block 1
cfgLen = cfgRec-cfgBuf
cfgName: .byte "geoGopher.cfg",0
cfgType: .byte MOD_ULT ;which network card
selCfg: .byte 0 ;index into listbox
selIndex: .byte 0 ;list index of selected item
cfgEnd: .word 0 ;pointer to end of list
; configuration file header
; ============================================================

cfgHead: .word  cfgName
    .byte  3,21,$BF
    .byte  $3c,$00,$3c
    .byte  $42,$00,$42
    .byte  $99,$ff,$99
    .byte  $bf,$00,$fd
    .byte  $bc,$00,$3d
    .byte  $37,$27,$2c
    .byte  $17,$27,$2b
    .byte  $24,$24,$2C
    .byte  $23,$c3,$c4
    .byte  $20,$18,$04
    .byte  $20,$7e,$04
    .byte  $20,$99,$04
    .byte  $20,$99,$04
    .byte  $20,$99,$04
    .byte  $20,$99,$04
    .byte  $20,$7e,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $20,$00,$04
    .byte  $80 | USR
    .byte  APPL_DATA
    .byte  VLIR
    .word  $0000       ; load address
    .word  $ffff       ; end address
    .word  0           ; init address

cfgPerm:    .byte  "geoGopherCfgV1.0",0,0,0,0
    .byte  "Cenbe",0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
    .byte  "geoGopher V2.1",0,0,0,0
    .block  23
    .byte  "geoGopher configuration file",0

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; Create/Open/Quit dialog (open or edit connection)

connDB: .byte DEF_DB_POS | 1
.byte DBTXTSTR,TXT_LN_X,16
.word txtOpt
.byte DBUSRICON,2,24
.word crtIcon
.byte DBTXTSTR,71,34
.word txtNew
.byte OPEN,2,48
.byte DBTXTSTR,71,58
.word txtExist
.byte DBUSRICON,2,72
.word quitIcon
.byte DBTXTSTR,71,82
.word txtQuit
.byte 0

; txtOpt: .byte "Please Select Option: ",0
.txtNew: .byte "new connection",0
.txtExist: .byte "existing connection",0
.txtQuit: .byte "to deskTop",0

; ctrlIcon: .word icnCrt
.byte 0,0 ;ignore position, use DB
.byte 6,16 ;standard icon size
.word doCreate

; quitIcon: .word icnQuit
.byte 0,0 ;ignore position, use DB
.byte 6,16 ;standard icon size
.word doExit

; icnCrt: [Create]
.icnQuit: [Quit]
; icons for configuration editor
; =========================================================================

conIcons: .byte 3
.word SAV_LEFT+24
.byte ICON_TOP+8
;
; =========================================================================

.delIcons: .word icnSave
.byte SAV_LEFT/8,ICON_TOP
.byte 6,16
.word doSave
;
; =========================================================================

delIcon: .word icnDel
.byte DEL_LEFT/8,ICON_TOP
.byte 6,16
delDspch: .word doDelete
;
; =========================================================================

icnDel:

icnDelDs:

icnCncl:

; =========================================================================

cfgNames: .block 1024 ;connection name buffer

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