

```
/**/
```

```
/* MACRO: IMGEMAP.WCM
```

```
/* PURPOSE: Create HTML Image Map codes for a bitmap.
```

```
/**/
```

```
Application (Presentations; "Presentations"; Default; "EN")
```

```
HRt = NTOC(0F90Ah)
```

```
GLOBAL vDir:=""
```

```
GLOBAL vPath:=""
```

```
GLOBAL vURL:="http://"
```

```
GLOBAL Coords[]={1;2;3;4}
```

```
GLOBAL vFilename:=""
```

```
GLOBAL vSample:=0
```

```
GLOBAL vPass:=0
```

```
GLOBAL vRedo:=0
```

```
Call(GetPaths)
```

```
Call(MainDialog)
```

```
Call(GetFilename)
```

```
Call(CheckBitmap)
```

```
IF(vSample = 1)
```

```
    Call(EndDialog1)
```

```
ELSE
```

```
    Call(EndDialog2)
```

```
ENDIF
```

```
QUIT
```

```
LABEL(MainDialog)
```

```
    DIALOGDEFINE(100; 50; 50; 280; 95; Percent!|Cancel!;"Create HTML Image Map Code")
```

```
    DIALOGADDTXT(100;101;8;6;100;15;1;"&Enter bitmap (*.jpg, *.gif):")
```

```
    DIALOGADDFILENAMEBOX(100;102;8;17;208;16;FilesAndDirs!;vDir;"c:\";"Internet bitmaps (*.gif" "*.jpg)")
```

```
    DIALOGADDTXT(100; 103; 8; 38;200;15;1;"&Save file(s) to:")
```

```
    DIALOGADDFILENAMEBOX(100; 104; 8; 49;208;16;DirOnly!;vPath;"c\";"Folders only")
```

```
    DIALOGADDcheckbox(100; 105; 8; 73; 90; 10; "&Create a sample page";vSample)
```

```
    DIALOGADDPUSHBUTTON(100;"CANCELButton"; 223; 25; 50; 14; 1; " Cancel ")
```

```
    DIALOGADDPUSHBUTTON(100;"HELPButton"; 223; 43; 50; 14; 1; " &Help ")
```

```
    DIALOGADDPUSHBUTTON(100;"OKButton"; 223; 8; 50; 14; 1; " OK ")
```

```
    DIALOGLOAD(100; "Presentations")
```

```
    RegionShowWindow("100.CancelBtm"; Hide!)
```

```
    DIALOGSHOW(100;;MainLoop)
```

```
    CallBackWait()
```

```
    DialogDestroy(100)
```

```
    Call(CheckBSlash)
```

```
    FileOpen (Filename: vDir; ReadOnly: No!)
```

```
    SelectAllObjects()
```

```
    ModifyObjects ()
```

```
    BeginSelectArea ()
```

```
    MessageBox(vStatus; "Image Map Macro"; "Click and drag to select an area, then select ""Set Map"" to give the selected area  
+HRt+ a URL (A dialog will appear after this one with the ""Set Map"" button)."; OK!)
```

```
    InhibitInput(Off!)
```

```
    Error(Off!)
```

```
    Call(ModDlg)
```

```
    BitmapReturn ()
```

```
    FileClose (No!)
```

```
RETURN
```

```
LABEL(MainLoop)
```

```
    if(MainLoop[5]=274)
```

```
        DialogDestroy(100)
```

```
        QUIT
```

```
    endif
```

```
    if(MainLoop[5]=273)
```

```
        switch(MainLoop[3])
```

```
            caseof"OKButton":
```

```

vDone:=1
vDir = RegionGetWindowText("100.102")
vPath = RegionGetWindowText("100.104")
IF((vDir = "")OR(vPath = ""))
    MessageBox(vStatus;"No File or Path Entered";"Please make sure a filename and path have been specified."; OK! |
IconStop!)
    vDone:=0
ELSE
    IF(DoesFileExist(vDir)!=TRUE)
        MessageBox(vStatus;"File Not Found";"File entered could not be found, enter in existing file"; OK! | IconStop!)
        vDone:=0
    ENDIF
    IF(DOESDIRECTORYEXIST(vPath)!=TRUE)
        MessageBox(vYesNo;"Directory Not Found";"Directory entered could not be found, do you wish to create directory:
"+ vPath; YesNo! | IconQuestion!)
        IF(vYesNo = 6)
            CREATEDIRECTORY(vPath; 0)
        ELSE
            vDone:=0
        ENDIF
    ENDIF
ENDIF
IF(vDone = 1)
    DialogDismiss("100";"OKButton")
    CallBackResume()
    Return
ENDIF
caseof"CancelBttn":
    DialogDestroy(100)
    QUIT
caseof"CANCELButton":
    DialogDestroy(100)
    QUIT
caseof"HELPButton":
    MessageBox(vStatus; "Create HTML Image Map code Help"; "Create HTML image mapping codes for your HTML
documents. If you would like an example to view in your web browser select ""Create a sample page"". "; IconQuestion!)
endswitch
endif
RETURN

LABEL(ModDlg)
GLOBAL hFile = OPENFILE(vPath+"bitmap.htm"; WriteNew!; DenyNone!; AnsiText!)
IF(hFile < 0)
    ErrorMsg("opening"; hFile)
ENDIF
//*****
IF(vSample = 1)
    GLOBAL hSFile = OPENFILE(vPath+"sample.htm"; WriteNew!; DenyNone!; AnsiText!)
    IF(hFile < 0)
        ErrorMsg("opening"; hSFile)
    ENDIF
    WriteOut(hSFile; "<HTML>")
    WriteOut(hSFile; "<TITLE>Image Map Test</TITLE>")
    WriteOut(hSFile; "<BODY>")
    WriteOut(hSFile; "<MAP NAME=""sample"">")
ENDIF
//*****
WriteOut(hFile; "<MAP NAME=""bitmap"">")
DIALOGDEFINE(300; 98; 2; 100; 53; Percent! | Modeless!; "Image Map")
DIALOGADDTTEXT(300; 301; 3; 3; 90; 15; 1; "Select an area in the bitmap,")
DIALOGADDTTEXT(300; 302; 3; 11; 100; 15; 1; "click on Set Map to give the area a link.")
DIALOGADDPUSHBUTTON(300; 303; 5; 34; 40; 13; DefaultBttn!; "Set &Map")
DIALOGADDPUSHBUTTON(300; 304; 52; 34; 40; 13; DefaultBttn!; "Done")
DIALOGLOAD(300)
DIALOGSHOW(300;301;ModLoop)

```

```

Dsply:=1
while(Dsply<>0)
endwhile

WriteOut(hFile; "</MAP>")
//*****
IF(vSample = 1)
  WriteOut(hSFile; "</MAP>")
ENDIF
//*****
vDirLen := STRLEN(vDir)
FOR(k; vDirLen; k != 0; k-1)
  IF(k != 0)
    vBackSlashSource := SUBCHAR(vDir; k ;1)
  ENDIF
  IF(vBackSlashSource = "\")
    vFilename:=SUBSTR(vDir; (k+1); (vDirLen-k))
    Break
  ENDIF
ENDFOR
WriteOut(hFile; "<IMG SRC=""+"vFilename+""" USEMAP=""#bitmap"">")
//*****
IF(vSample = 1)
  WriteOut(hSFile; "<IMG SRC=""+"vFilename+""" USEMAP=""#sample"">")
  WriteOut(hSFile; "</BODY>")
  WriteOut(hSFile; "</HTML>")
  IF(NOT(CLOSEFILE(hSFile)) = True)
    BEEP
    MESSAGEBOX(x; "Error"; "Error closing file"; IconExclamation!)
  ENDIF
ENDIF
//*****
IF(NOT(CLOSEFILE(hFile)) = True)
  BEEP
  MESSAGEBOX(x; "Error"; "Error closing file"; IconExclamation!)
ENDIF
DialogDestroy(300)
RETURN

LABEL(ModLoop)
if(ModLoop[5]=273)
  switch(ModLoop[3])
    caseof"303":
      URLDlg()
    caseof"304":
      Dsply:=0
      DialogDismiss("300"; "304")
      Error(On!)
  endswitch
endif
RETURN

PROCEDURE URLDlg()
  DIALOGDEFINE(900;50;50;210;50;Percent!|OK!|Cancel!;"Link to URL")
  DIALOGADDTXT(900;101;7;3;200;15;1;"&URL Location:")
  DIALOGADDEDITBOX(900;102;5;12;180;13;Left!;vURL;75)
  DIALOGLOAD(900)
  DIALOGSHOW(900;101; AdLoop)
ENDPROC

PROCEDURE AdLoop()
  if(AdLoop[5]=273)
    switch(AdLoop[3])
      caseof"OKBtn":

```

```

vURL = RegionGetWindowText("900.102")
DialogDismiss("900";"OKBtn")
DialogDestroy(900)
vW:=EnvGetMarqueeWidth()
vH:=EnvGetMarqueeHeight()
vX1:=EnvGetMarqueeXPos()
vY1:=EnvGetMarqueeYPos()
vX2:=(vX1 + vW)
vY2:=(vY1 + vH)
WriteOut(hFile; "<AREA SHAPE=""RECT"" COORDS=""+"vX1+";"+vY1+";"+vX2+";"+vY2+"" HREF="+vURL+">")
//*****
IF(vSample = 1)
WriteOut(hSFile; "<AREA SHAPE=""RECT"" COORDS=""+"vX1+";"+vY1+";"+vX2+";"+vY2+"" HREF="+vURL+">")
ENDIF
//*****
vURL:="http://"
// TURN ON ERROR OFF HERE
BeginPaintBrush()
BeginSelectArea()
caseof"CancelBtn":
DialogDismiss("900";"CancelBtn")
DialogDestroy(900)
vURL:="http://"
endswitch
endif
ENDPROC

PROCEDURE WriteOut(hFilePass; vString)
IF(FILEWRITE(hFilePass; vString; NewLine!) < 0)
ErrorMsg("writing to"; hFilePass)
ENDIF
ENDPROC

PROCEDURE ErrorMsg(Msg; hFile)
BEEP
MESSAGEBOX(x; "Error"; "Error " + Msg + " file"; IconExclamation!)
ENDPROC

LABEL(EndDialog1)
DIALOGDEFINE(500;50;50;230;109;Percent!|OK!;"Create Image Map Is Finished")
DIALOGADDTTEXT(500;101; 5; 5; 200;25;1;"A file called BITMAP.HTM has been created in directory "+vPath+". This file has the
HTML image mapping codes for bitmap "+vDir+".")
DIALOGADDTTEXT(500;103; 5; 35; 210;50;1;"If you would like to view a sample of your image map right now, click on the
""Launch web browser with sample"" button below. Or you can view it later by starting your web browser and opening file
SAMPLE.HTM in directory "+vPath)
DIALOGADDPUSHBUTTON(500; "LAUNCHButton"; 5; 90; 150; 13; 1; " Launch &Web Browser With Sample ")
DIALOGLOAD(500)
DIALOGSHOW(500;101; EndLoop)
eDsply:=1
while(eDsply<>0)
endwhile
DialogDestroy(500)
RETURN

LABEL(EndLoop)
if(EndLoop[5]=273)
switch(EndLoop[3])
caseof"OKBtn":
eDsply:=0
DialogDismiss("500";"OKBtn")
caseof"LAUNCHButton":
eDsply:=0
DialogDismiss("500";"LAUNCHButton")
WebBrowse(vPath+"sample.htm")
endswitch

```

```

endif
RETURN

LABEL(EndDialog2)
DIALOGDEFINE(500;50;50;230;60;Percent!|OK!;"Create Image Map Is finished")
DIALOGADDTTEXT(500;101; 5; 5; 200;25;1;"A file called BITMAP.HTM has been created in directory "+vPath+". This file has the
HTML image mapping codes for file "+vDir+".")
DIALOGLOAD(500)
DIALOGSHOW(500;101; EndLoop2)
eDsply:=1
while(eDsply<>0)
endwhile
RETURN

LABEL(EndLoop2)
if(EndLoop2[5]=273)
switch(EndLoop2[3])
caseof"OKBttn":
eDsply:=0
DialogDismiss("500";"OKBttn")
endswitch
endif
RETURN

LABEL(GetPaths)
vPath:=EnvPaths(Presentations!)
Call(CheckBSlash)
vPath:=vPath+"imagemap"
RETURN

LABEL(CheckBSlash)
vDirLen := STRLEN(vPath)
vBackSlashSource := SUBCHAR(vPath;vDirLen ;1)
IF(vBackSlashSource != "\")
vPath := vPath + "\"
vDirLen := vDirLen + 1
ENDIF
RETURN

LABEL(CheckBitmap)
Declare vResult[6]
vLen:=STRLEN(vDir)
vResult[1]:=STRPOS(vDir; "jpg")
vResult[2]:=STRPOS(vDir; "gif")
vResult[3]:=STRPOS(vDir; "JPG")
vResult[4]:=STRPOS(vDir; "GIF")
vResult[5]:=STRPOS(vDir; "Jpg")
vResult[6]:=STRPOS(vDir; "Gif")
FOR(x; 1; x<7; x+1)
IF(vResult[x] != 0)
vSum:=(vLen - vResult[x])
IF(vSum <= 3)
vPass:=1
ENDIF
ENDIF
ENDFOR
IF(vPass = 1)
IF(vSample = 1) // Copy file for sample
CopyFile(vDir; vPath; Prompts!)
ENDIF
ELSE
MessageBox(vStatus; "Image Map Macro"; "Detection that your bitmap might not be a JPG or GIF. Does "+vDir+" need to be
converted to a JPG for use on the internet?" +HRt+" "+HRt+" WARNING: Selecting Yes will overwrite file "+vDir; YesNo!|IconStop!)
IF(vStatus = 6) // Yes
FileConvert (vDir; ; vPath+vFilename; JPG!)

```

```
        vRedo:=1
    ENDIF
ENDIF
RETURN

LABEL(GetFilename)
    vDirLen := STRLEN(vDir)
    FOR(k; vDirLen; k != 0; k-1)
        IF(k != 0)
            vBackSlashSource := SUBCHAR(vDir; k ;1)
            ENDIF
            IF(vBackSlashSource = "\")
                vFilename:=SUBSTR(vDir; (k+1); (vDirLen-k))
                Break
            ENDIF
        ENDFOR
    RETURN
```