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Subject: Re: Opening a .isv file

Posted by [K. Bowman](#) on Fri, 13 Oct 2006 18:22:22 GMT

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In article <1160754314.429990.182420@h48g2000cwc.googlegroups.com>,  
codepod@gmail.com wrote:

> Actually, an ISV file is just a save file that contains a portion of  
> the iTools data/vis hierarchy. So you can just use restore.

>  
> CP

I tried that, and RESTORE restores some data, but it does not open an iTool window and display the visualization.

After a little thought I realized that one it is possible to control the iTool interface programmatically to execute the Open operation, so here is a simple program to do that.

To use,

IDL> isv\_open\_kpb, isvfile

where isvfile is the name of the .isv file.

I make no guarantees, as my object-oriented programming is severely limited, but this seems to work.

Plus, it \*has\* to be good luck to offer this up on Friday the 13th.

Cheers, Ken Bowman

```
PRO ISV_OPEN_KPB, isvfile, $  
  ITOOL_ID = itool_id, $  
  VERBOSE = verbose  
  
:+  
:NAME:  
:  ISV_OPEN_KPB  
:PURPOSE:  
:  Open an iTool visualization saved as an ISV file.  
:CATEGORY:  
:  Graphics and display.  
:CALLING SEQUENCE:  
:  ISV_OPEN_KPB, isvfile  
:INPUT:
```

; isvfile : String containing name of ISV file to open.  
;KEYWORDS:  
; ITOOL\_ID : On return this keyword contains the iTool ID of the newly created iTool.  
; VERBOSE : If set, print verbose informational messages.  
;OUTPUT:  
; Opens iTool window and displays the saved visualization.  
;MODIFICATION HISTORY:  
; Kenneth P. Bowman, 2006-10-13.  
;-

COMPILE\_OPT IDL2 ;Set compiler options  
  
IF (N\_PARAMS() EQ 0) THEN begin  
    MESSAGE, 'You must provide the name of an ISV file.', /CONTINUE ;Error - no filename provided  
    RETURN  
ENDIF  
  
file = FILE\_SEARCH(isvfile, COUNT = nfiles) ;Check that file exists  
IF (nfiles EQ 0) THEN BEGIN  
    MESSAGE, 'File "' + isvfile + '" not found.', /CONTINUE ;Error - file does not exist  
    RETURN  
ENDIF  
  
iPlot, IDENTIFIER = itool\_id, /DISABLE\_SPLASH\_SCREEN ;Create new iTool  
temp = itGetCurrent(TOOL = itool\_obj) ;Get iTool object reference  
  
open\_op\_id = itool\_obj -> FindIdentifiers("\*OPEN\*", /OPERATIONS) ;Get Open operator identifier  
open\_op\_obj = itool\_obj -> GetByIdentifier(open\_op\_id) ;Get Open operator object reference  
open\_op\_obj -> SetProperty, SHOW\_EXECUTION\_UI = 0, \$ ;Turn off Open operator user interface  
                          FILENAME      = isvfile ;Set ISV input file name  
rc       = itool\_obj -> DoAction(open\_op\_id) ;Open ISV file  
  
IF KEYWORD\_SET(verbose) THEN PRINT, 'ISV file read from ', isvfile ;Completion message  
  
END

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