
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

```
