Subject: Re: idl 6.3 bus error during tv Posted by don.woodraska on Fri, 04 Jan 2008 01:32:50 GMT View Forum Message <> Reply to Message

On Jan 3, 11:30 am, David Fanning <da...@dfanning.com> wrote:

>

- > Here is where you should start with sorting this well-known problem
- > out:

>

> http://www.dfanning.com/tips/maccrash.html

>

> Cheers.

>

> David

Thank you for collecting this information in a nice easy-to-read format, but unfortunately, this does not fix my problem. The PLOT command works. XYOUTS works, too. I can create windows with no problems. It's only the TV procedures that cause a bus error that rudely dumps me back to my unix shell.

I may be wrong here, but I think that if the DISPLAY variable was not correct, then I wouldn't be able to create any windows in IDL at all (but I can). Perhaps I'm mistaken about this.

This problem seems to be isolated to TV and TVSCL commands only. Below is a snippet from another session that shows the !D structure, a successful plot command, the device info, and the tv-induced bus error.

With a new IDL session the TV command does create a new window (#0) so it seems to successfully connect and send windows to the localhost. Then IDL pauses, while the CPU usage goes up to 100 % on one CPU, then finally it dumps me back to the shell.

FYI, I can successfully ssh to my linux box (IDL 6.3) and run the same commands and send the windows back to my mac just fine.

I guess I have no choice but to upgrade if I want my TVSCL back.

Thanks, Don

IDL> help,!d,/str

** Structure !DEVICE, 17 tags, length=84, data length=84:

NAME STRING 'X'

X_SIZE LONG 640

```
Y SIZE
              LONG
                            512
 X VSIZE
               LONG
                             640
 Y_VSIZE
               LONG
                             512
 X CH SIZE
                LONG
                                6
 Y CH SIZE
                LONG
                                9
 X_PX_CM
                FLOAT
                            40.0000
 Y PX CM
                FLOAT
                            40.0000
 N COLORS
                 LONG
                               256
 TABLE SIZE
                LONG
                               256
 FILL DIST
               LONG
                              1
 WINDOW
                LONG
                               -1
 UNIT
             LONG
                            0
              LONG
 FLAGS
                           328124
 ORIGIN
              LONG
                       Array[2]
 ZOOM
              LONG
                       Array[2]
IDL> plot,findgen(10)
IDL> help,!d.name
<Expression> STRING = 'X'
IDL> help,/device
Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X
Ζ
Current graphics device: X
  Server: X11.0, The X.Org Foundation, Release 70200000
  Display Depth, Size: 24 bits, (1280,1003)
  Visual Class: TrueColor (4)
  Bits Per RGB: 8 (8/8/8)
  Physical Color Map Entries (Emulated / Actual): 256 / 256
  Colormap: Shared, 16777216 colors. Translation table: Bypassed
  Graphics pixels: Decomposed,
                                  Dither Method: Ordered
  Write Mask: 16777215 (decimal) ffffff (hex)
  Graphics Function: 3 (copy)
  Current Font: <default>, Current TrueType Font: <default>
  Default Backing Store: Pixmap.
  Window Status: -----
  id typ( x, y, backing store) id typ( x, y,
backing store)
  0: Win(640, 501,
                       Pixmap)
IDL> xyouts,.5,.5,'Center'
IDL> window,3
IDL > tv, dist(128)
% Compiled module: DIST.
Bus error
```