
Subject: Re: idl 6.3 bus error during tv
Posted by [don.woodraska](#) on Fri, 04 Jan 2008 01:32:50 GMT
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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
FLAGS	LONG	328124
ORIGIN	LONG	Array[2]
ZOOM	LONG	Array[2]

```

IDL> plot,findgen(10)
IDL> help,id.name
<Expression>  STRING  = 'X'
IDL> help,/device
Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X
Z
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) fffff (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

```
