
Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by [ben.bighair](#) on Mon, 16 Feb 2009 13:12:46 GMT
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On Feb 15, 7:55 pm, Raul <rmjuber...@gmail.com> wrote:

> Hello,
>
> I am currently using IDL6.2 on a Mac OSX 10.4.11 and for long I have
> been using programs with the tv command without problems, but now when
> I try to run them, IDL crashes and exits with a "bus error". I looked
> on Google for some info about this and I came across a website
> describing "Bus error in IDL 6.3 on Mac OS X". After reading it I
> checked the issue of my display variable. I only have one monitor and
> the display variable is :0.0 (and I am still using IDL 6.2)
>
> This behavior started on friday (2/13/09) after I installed the
> following software updates:
> - Java for Mac OS X 10.4, Release 8 v1.0
> - Security Update 2009-001 (PowerPC) v1.0
>
> Could these updates have change something affecting my IDL6.2
> installation? Has somebody else experience this? Does anybody knows if
> there is a easy way to fix this?

Hi,

I think this tip from David Fanning's ever-useful site might be helpful.

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

The syntax of the display variable seemed (to me) to be very tricky for IDL 6.3. I have the same OS and IDL version as you and things work fine. My display variable looks like...

```
setenv DISPLAY :0
```

Cheers,
Ben

Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by jschwab@gmail.com on Mon, 16 Feb 2009 15:38:30 GMT
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> Could these updates have change something affecting my IDL6.2
> installation? Has somebody else experience this?

I am experiencing the same behavior.

Josiah

Subject: Re: Bus error in IDL 6.3 on Mac OS X

Posted by jschwab@gmail.com on Mon, 16 Feb 2009 15:43:08 GMT

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> I think this tip from David Fanning's ever-useful site might be
> helpful.
>
> <http://www.dfanning.com/tips/maccrash.html>

I think this is a different problem.

For me at least, IDL experiences this problem even if I run it from X11.app. The bus error also only occurs with the use of the TV command, while PLOT and HELP, /DEVICE perform correctly.

My \$DISPLAY appears to be set correctly, and really must be since I see the output of PLOT.

It would appear to have something to do with X, because I can use the TV command to write to a PostScript file without incident.

Josiah

Subject: Re: Bus error in IDL 6.3 on Mac OS X

Posted by [Carsten Lechte](#) on Mon, 16 Feb 2009 16:04:22 GMT

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Raul wrote:

> Could these updates have change something affecting my IDL6.2
> installation? Has somebody else experience this? Does anybody knows if
> there is a easy way to fix this?

Could it be something like the X11 library update that broke IDL on Linux? See http://www.dfanning.com/misc_tips/segfault.html

chl

Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by jschwab@gmail.com on Mon, 16 Feb 2009 16:11:58 GMT
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> Could it be something like the X11 library update that broke IDL on
> Linux? See http://www.dfanning.com/misc_tips/segfault.html

There was a libX11 update included
<http://support.apple.com/kb/HT3438>
so the answer is probably yes.

Josiah

Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by [Raul](#) on Mon, 16 Feb 2009 19:33:46 GMT
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Hello all,

Thanks for the posts and the help.

So, what is the way around this change in the libX11?

Thanks,

Raul

On Feb 16, 9:11 am, "jsch...@gmail.com" <jsch...@gmail.com> wrote:
>> Could it be something like the X11 library update that broke IDL on
>> Linux? See http://www.dfanning.com/misc_tips/segfault.html
>
> There was a libX11 update included <http://support.apple.com/kb/HT3438>
> so the answer is probably yes.
>
> Josiah

Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by [Christopher Thom](#) on Mon, 16 Feb 2009 20:07:26 GMT
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Hi,

One potential fix is to install the latest XQuartz package that is appropriate for your system. You can also get older versions if you want to downgrade your X11 system.

<http://xquartz.macosforge.org/trac/wiki>

cheers
chris

Quoth Raul:

> Hello all,
>
> Thanks for the posts and the help.
>
> So, what is the way around this change in the libX11?
>
> Thanks,
>
> Raul
>
> On Feb 16, 9:11 am, "jsch...@gmail.com" <jsch...@gmail.com> wrote:
>>> Could it be something like the X11 library update that broke IDL on
>>> Linux? See http://www.dfanning.com/misc_tips/segfault.html
>>
>> There was a libX11 update included <http://support.apple.com/kb/HT3438>
>> so the answer is probably yes.
>>
>> Josiah
>
>

Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by [Raul](#) on Mon, 16 Feb 2009 23:01:58 GMT
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Hi Chris,

Thanks for your responses.

Well, I just downloaded and installed this X11 "update" and everything seems to be back to normal.

<http://www.macupdate.com/info.php/id/10464>

Cheers,

Raul

Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by [stephan](#) on Tue, 17 Feb 2009 17:40:51 GMT
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On Feb 16, 6:01 pm, Raul <rmjuber...@gmail.com> wrote:

> Hi Chris,
>
> Thanks for your responses.
>
> Well, I just downloaded and installed this X11 "update" and everything
> seems to be back to normal.
>
> <http://www.macupdate.com/info.php/id/10464>
>
> Cheers,
>
> Raul

All:

I just wanted to acknowledge you all. Last night I too ran into the idl crash problem "bus error" problem when invoking tv or tvscl in idl 6.4 with set_plot,'x' also invoked. Changing to set_plot,'ps' or 'z' did not cause tv to make idl crash. Invoking atv or iplot also caused the "bus error". I was using an Xterm. I note also that the idlde.app and IDLDemos.app also crashed (without saying why).

The above update to X11 described by Raul fixed the problem.

Many thanks...

:Stephan
plot continued to function.

Subject: Re: Bus error in IDL 6.3 on Mac OS X
Posted by [Britt](#) on Tue, 24 Feb 2009 19:11:37 GMT
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Thank YOU, Raul, for posting that this worked. I thought I was going to have to shell out for 7.0!

I had the same problem, downgraded to the earlier version X11 via Raul's link, and it's working for me.

On Feb 16, 5:01 pm, Raul <rmjuber...@gmail.com> wrote:

> Hi Chris,
>

> Thanks for your responses.
>
> Well, I just downloaded and installed this X11 "update" and everything
> seems to be back to normal.
>
> <http://www.macupdate.com/info.php/id/10464>
>
> Cheers,
>
> Raul
