Subject: Re: Segmentation fault on Mac Intel Core 2 Duo
Posted by David Fanning on Thu, 28 Sep 2006 12:11:08 GMT

Xavi Llort writes:

>
> I've installed IDL 6.1 on a brand new Mac Intel Core-2-Duo (so, running
> on rossetta), and it works fine with calculations. But it is not able
> to create windows:
>
> IDL> window,1
> Segmentation fault
> pluja:/Applications/rsi/idl_6.1/bin xavi$
>
> Any ideas of what can be wrong?

Have you read this article?

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

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Segmentation fault on Mac Intel Core 2 Duo
Posted by Maarten[1] on Thu, 28 Sep 2006 13:50:58 GMT

Xavi Llort wrote:

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X11 not running? DISPLAY environment variable not set correctly? What
does

print, getenv("DISPLAY")
give you?

Maarten

Subject: Re: Segmentation fault on Mac Intel Core 2 Duo
Posted by Xavi Llort on Thu, 28 Sep 2006 17:59:54 GMT

Thank you for the help, but did not solve my problem. I used the
solution proposed and I got the same problem even asking "help,
/device"

pluja:~ xavi$ echo $DISPLAY
:0.0
pluja:~ xavi$ currentUser=`(set \`whoami\`; echo $1)`
pluja:~ xavi$ X11_FOLDER=/tmp/.X11-unix
pluja:~ xavi$ bb=`ls -l $X11_FOLDER | grep $currentUser`
pluja:~ xavi$ bbb=${bb/*X/:}
pluja:~ xavi$ usedDISPLAY=$bbb.0
pluja:~ xavi$ export DISPLAY=$usedDISPLAY
pluja:~ xavi$ echo $DISPLAY
:0.0

And then iside IDL:

IDL> help, /DEVICE
Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X Z
Current graphics device: X
Segmentation fault
pluja:/Applications/rsi/idl_6.1/bin xavi$

Thanks again,
Xavi

David Fanning wrote:
> Xavi Llort writes:
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> Cheers,
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> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Segmentation fault on Mac Intel Core 2 Duo
Posted by Xavi Llort on Fri, 29 Sep 2006 08:57:05 GMT
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Variable DISPLAY seem to be fine.. And X11 work well for all the other programs (including those who generate windows). I will continue searching...

IDL> print, getenv("DISPLAY")
:0.0

>
> X11 not running? DISPLAY environment variable not set correctly? What
> does
> print, getenv("DISPLAY")
> give you?
>
> Maarten

Subject: Re: Segmentation fault on Mac Intel Core 2 Duo
Posted by Karl Schultz on Fri, 29 Sep 2006 16:18:55 GMT
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On Thu, 28 Sep 2006 06:11:08 -0600, David Fanning wrote:

> Xavi Llort writes:
>
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> Have you read this article?
>
>   http://www.dfanning.com/tips/maccrash.html
>
Good thought, but he's running 6.1 and IDL 6.1 uses :0.0 if DISPLAY is not
set. 6.3 might segfault on a mac if DISPLAY is not set. The next release
of IDL fixes this problem, going back to using :0.0 if DISPLAY is not set.

But I still strongly suggest that Mac users make some effort to set
DISPLAY to the correct value by launching from an xterm or doing some
other script magic if they insist on using Terminal. Note that if the
machine is being used by more than one person with Fast User Switching, a
given X server may not always be at :0.0!!!!

Xavi should consider getting the IDL 6.3 release, which contains Mac Intel
binaries. They will run about twice as fast as the ppc bits under Rosetta
emulation.

I doubt we (ITTVIS) would look into this problem very deeply since 6.1 is
an old release. But there should be a crash log on the machine for idl
and if Xavi wants to send me the crash log (kschultz at ittvis dot com), I
could take a quick look.

Karl