Subject: Re: IDL Segmentation Fault

Posted by mankoff on Wed, 04 Oct 2006 22:09:13 GMT

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Karl Schultz wrote:
> On Wed, 04 Oct 2006 09:06:26 -0700, mankoff wrote:
>
>> David Fanning wrote:
>>> Bill Anderson writes:
>>>
>>>>
        Has anyone run into this problem? I have running IDL 6.2 student
>>> edition for the past month with no problems on a MacPro Book (MacOS X
>>> 10.4) notebook. This weekend I updated my MacOS to 10.4.8 and now when
>>>> I try to run idl from X11, it crashes with a "Segmentation Fault".
>>>>
>>> /Users/wmandersonjr/idl
>>> IDL Student Edition 6.2, Mac OS X (darwin ppc m32). (c) 2005, Research
>>>> Systems, Inc.
>>> Segmentation fault
>>> /Users/wmandersonjr/
>>>
>>> You might find this article helpful:
>>>
      http://www.dfanning.com/tips/maccrash.html
>>>
>>>
>>> Also, we discussed this problem right here less than two weeks
>>> ago, it seems to me. Check the archives.
>>>
>>
>>
>> I've read that article and searched the archives. I'm using IDL 5.6 on
>> a Intel MacBook. X11 programs work fine, but IDL is segfaulting
   nonetheless.
>> If DISPLAY is :0.0 then xeyes works and IDL segfaults
>> If DISPLAY is 0:0 then IDL will run but provides error messages when
>> trying to access the display, like so:
>>
   _X11TransSocketINETConnect() can't get address for 0:6000: No address
>> associated with nodename
   % Unable to connect to X Windows display: 0:0
>>
>>
  Any advice?
>>
>>
   This just started yesterday when I upgraded to 10.4.8.
>>
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-k. >> > > Yes, I've been looking at this recently, and have collected some hopefully > useful information. > > IDL PPC binaries of any release now appear to crash when running on an > Intel Mac under Rosetta emulation with OS X 10.4.8. The problem didn't > occur with OS X 10.4.7. The crash logs indicate a crash in libXt. Since > the *only* change made to the environment where I observed all of this was > upgrading from 10.4.7 to 10.4.8, I am inclined to suspect the Apple update > to 10.4.8. > Some web searching reveals that there are more than a few problems with > the 10.4.8 upgrade on Intel Macs. One person reported a similar crash > with Matlab 7.1 under the same conditions. The report indicated that the > Matlab crashes started after the upgrade to 10.4.8 was applied. Same > situation, same problem, I think. One could also extend this thought to > the possibility that any PPC binary X11 application running under Rosetta > on an Intel based OS X 10.4.8 might crash. > Therefore IDL users of versions prior to 6.3 probably should not upgrade > their Intel Macs to 10.4.8. > IDL 6.3 users should really get the Intel binaries for IDL that are > available from ITTVIS. Not only would this relieve this particular 10.4.8 > problem, but the Intel binaries run faster on the Intel Mac. > The PPC-based hardware does not seem to be adversely affected by this OS X > upgrade. > I'm going to go ahead and report this problem to Apple, and all we can do > is hope that they'll take the time from the Leopard schedule to release a patch for this seemingly defective OS X upgrade. > > That's the best I can do for now, > > Karl

Thanks for taking this up with Apple. Any luck just swapping out libXt with the previous version? I don't have access to my backup disk for another 10 days while I travel so I cannot test this.