Subject: Re: IDL crash without warning
Posted by Allan Whiteford on Wed, 11 Apr 2007 12:32:18 GMT

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bk1@kaifler.net wrote:
> I am using IDL 6.2 on a linux box (Debian etch). Everything workes
> fine except TV and related procedures. When executing
>
> D = BYTSCL(DIST(256)) & TV, D
>
> the IDL Development Enviroment crashes without warning.
> Has anyone experienced the same problem?
>

IDL 6.2 on a FC4 (Stentz) box works fine with the above commands.

** Structure !VERSION, 8 tags, length=76, data length=76:
   ARCH   STRING   'x86'
   OS   STRING   'linux'
   OS_FAMILY   STRING   'unix'
   OS_NAME   STRING   'linux'
   RELEASE   STRING   '6.2'
   BUILD_DATE   STRING   'Jun 20 2005'
   MEMORY_BITS   INT   32
   FILE_OFFSET_BITS
              INT   64

Linux hostname.domain 2.6.11-1.1369_FC4smp #1 SMP
Thu Jun 2 23:08:39 EDT 2005 i686 i686 i386 GNU/Linux

Is it TV which is broken or just graphics in general? Try the command
"window" and see if that crashes.

Thanks,

Allan

Subject: Re: IDL crash without warning
Posted by bk1 on Wed, 11 Apr 2007 13:00:34 GMT

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> Is it TV which is broken or just graphics in general? Try the command
> "window" and see if that crashes.

The "window" and "plot" commands work fine. But "iplot" crashes too.
Maybe it is a problem in the graphics libraries.

I have tested IDL 6.2 on another linux box (Debian sarge) without any crashes so far.

Thanks,
Bernd

Subject: Re: IDL crash without warning
Posted by news.verizon.net on Wed, 11 Apr 2007 14:10:04 GMT
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O> I have tested IDL 6.2 on another linux box (Debian sarge) without
any
> crashes so far.

There is an active thread about the problems with IDL on Debian etch
going on at the "competing" IDL discussion group, e.g.
http://www.ittvis.com/forum/message.asp?fmid=2267

So far, there are some workarounds listed, but there doesn't seem to
be a solution that consistently works.

--Wayne

Subject: Re: IDL crash without warning
Posted by Jean H. on Wed, 11 Apr 2007 17:43:30 GMT
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bk1@kaifler.net wrote:
> I am using IDL 6.2 on a linux box (Debian etch). Everything workes
> fine except TV and related procedures. When executing
>
> D = BYTSCL(DIST(256)) & TV, D
>
> the IDL Development Enviroment crashes without warning.
> Has anyone experienced the same problem?
>

Hi,

I have the same problem.... I am using Fedora Core 6. Indeed, it was
working well until this morning (or a bit earlier, I might not have
noticed!), when I did an update of Xorg-X11....

Build Date: 08 April 2007
Build ID: xorg-x11-server 1.1.1-47.8.fc6

Before the update, it was:
Build Date: 28 February 2007
Build ID: xorg-x11-server 1.1.1-47.7.fc6

Does anyone knows how to revert to the previous version? (I already
lost too much time trying to figure things out in Linux ... I don't want
to fight with this one!)

Jean

Subject: Re: IDL crash without warning
Posted by Jean H. on Wed, 11 Apr 2007 17:45:02 GMT
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Jean H. wrote:
> bk1@kaifler.net wrote:
>> I am using IDL 6.2 on a linux box (Debian etch). Everything workes
>> fine except TV and related procedures. When executing
>>
>> D = BYTSCL(DIST(256)) & TV, D
>>
>> the IDL Development Enviroment crashes without warning.
>> Has anyone experienced the same problem?
>>
>
> Hi,
>
> I have the same problem.... I am using Fedora Core 6. Indeed, it was
> working well until this morning (or a bit earlier, I might not have
> noticed!), when I did an update of Xorg-X11....
>
> Build Date: 08 April 2007
> Build ID: xorg-x11-server 1.1.1-47.8.fc6
>
> Before the update, it was:
> Build Date: 28 February 2007
> Build ID: xorg-x11-server 1.1.1-47.7.fc6
>
> Does anyone knows how to revert to the previous version? (I already
> lost too much time trying to figure things out in Linux ... I don't want
> to fight with this one!)
>
> Jean

Oh, I forgot to mention: ENVI won't even start!
In both cases (IDL or ENVI), if you start it from the command line, you

---

get a "segmentation fault" error...

Jean

Subject: Re: IDL crash without warning
Posted by Jean H. on Wed, 11 Apr 2007 17:55:40 GMT
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I have contacted ITTVIS... I will let you know as soon as I get an answer!
Please do the same if you find a workaround!

Jean

Subject: Re: IDL crash without warning
Posted by bk1 on Wed, 11 Apr 2007 18:28:12 GMT
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> I have the same problem.... I am using Fedora Core 6. Indeed, it was
> working well until this morning (or a bit earlier, I might not have
> noticed!), when I did an update of Xorg-X11....
>
> Build Date: 08 April 2007
> Build ID: xorg-x11-server 1.1.1-47.8.fc6
>
> Before the update, it was:
> Build Date: 28 February 2007
> Build ID: xorg-x11-server 1.1.1-47.7.fc6

It seems to be indeed a problem with the x-server. IDL is doing fine
on a Debian box (sarge) which was not updated the last 3 weeks. As
soon as I have time, I will revert to the old version of xorg-x11-
server.

Bernd

Subject: Re: IDL crash without warning
Posted by Jean H. on Wed, 11 Apr 2007 20:42:11 GMT
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> It seems to be indeed a problem with the x-server. IDL is doing fine
> on a Debian box (sarge) which was not updated the last 3 weeks. As
> soon as I have time, I will revert to the old version of xorg-x11-
> server.
>

> Bernd
>

Please excuse my ignorance.... but.... how do you that???

Jean

Subject: Re: IDL crash without warning
Posted by bk1 on Fri, 13 Apr 2007 21:27:38 GMT
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> Please excuse my ignorance.... but.... how do you that???

I installed the old packages manually form
http://snapshot.debian.net/

It looks like the problem is not the x-server. I reverted the x-server
to the version installed on the laptop of my girlfried (IDL runs
without problem there) and IDL is still crashing.

During the update which broke IDL, about 30 other packages were
changed on my system. Of course it is possible to downgrade each
package (and in the end IDL should run again) but at the moment I am
not willing to do it.

Subject: Re: IDL crash without warning
Posted by bk1 on Fri, 13 Apr 2007 21:42:41 GMT
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Ah, by the way, do know which packages were updated? May be we can
merge our lists to sort out the package which broke IDL.

Bernd

Subject: Re: IDL crash without warning
Posted by Jean H. on Fri, 13 Apr 2007 21:57:18 GMT
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bk1@kaifler.net wrote:
> Ah, by the way, do know which packages were updated? May be we can
> merge our lists to sort out the package which broke IDL.
>
> Bernd
>

That sounds good... I will check that on Monday morning (the beast is running windows now).

Which file is the update log? ... I haven't find an obvious one!

Jean

Subject: Re: IDL crash without warning
Posted by Jean H. on Fri, 13 Apr 2007 21:58:16 GMT
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What I got from ITTVIS:

This bug report is our developer Steve Houston's top priority now, and he says he has made progress toward identifying the deep source of the problem, but does not yet have the definitive workaround for it. It is indeed a problem of this latest ' Xorg-X11 server' compatibility with IDL. Do you know how to restore the last installed version of the X server from before this latest update? That is the main advice that we would give at this time.

I hope to have more from Steve Houston next week. Feel free to remind me whenever you want that you are waiting for an answer ... and check the IDL User Forum.

Regards,

James Jay Jones
Technical Support Engineer
ITT Visual Information Solutions

Subject: Re: IDL crash without warning
Posted by bk1 on Fri, 13 Apr 2007 23:00:57 GMT
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Juhu! I finally found the problem. Took me some time to figure this out but it is the libx11-6 library. libx11-6 2:1.0.3-7 brakes IDL. I installed now libx11-6 2:1.0.3-4 and IDL runs again.

Hope this helps,

Bernd

Subject: Re: IDL crash without warning
Posted by vitaly.neustroev on Sat, 14 Apr 2007 20:40:00 GMT

On Apr 14, 12:00 am, b...@kaifler.net wrote:
> Juhu! I finally found the problem. Took me some time to figure this
> out but it is the libx11-6 library. libx11-6 2:1.0.3-7 brakes IDL.
> I installed now libx11-6 2:1.0.3-4 and IDL runs again.

You are a genius! You saved me! Indeed, there was a problem with
libx11-1.0.3-7
I have just replaced it with libx11-1.0.3-6 (I use FC6), and
everything is working fine now. Thanks!!

Vitaly.

Subject: Re: IDL crash without warning
Posted by GNWIII on Mon, 16 Apr 2007 15:42:26 GMT

On Apr 11, 3:28 pm, b...@kaifler.net wrote:

>> I have the same problem.... I am using Fedora Core 6. Indeed, it was
>> working well until this morning (or a bit earlier, I might not have
>> noticed!), when I did an update of Xorg-X11....
>
>> Build Date: 08 April 2007
>> Build ID: xorg-x11-server 1.1.1-47.8.fc6
>
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>
> It seems to be indeed a problem with the x-server. IDL is doing fine
> on a Debian box (sarge) which was not updated the last 3 weeks. As
> soon as I have time, I will revert to the old version of xorg-x11-
> server.

Just to be clear -- the changes to libX11 that expose this bug were
simple sanity tests on arguments. A number of programs broke
because they were mistakenly using "insane" arguments, so in all
likelihood the real problem is in idl. Not everyone will be
comfortable removing a security patch. GDL may be useful to
people who don't want to reverse the updates.

--
George N. White III