
Subject: Re: idl segfaults in FC5
Posted by [Greg Hennessy](#) on Thu, 12 Apr 2007 20:35:10 GMT
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On 2007-04-12, David Fanning <news@dfanning.com> wrote:
> I've had e-mails to this effect today, too. Something
> bad is happening in those updates!

You wouldn't happen to have a solution, would you?

Subject: Re: idl segfaults in FC5
Posted by [news.verizon.net](#) on Thu, 12 Apr 2007 21:04:09 GMT
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n Apr 12, 3:45 pm, Greg Hennessy <greg.henne...@localhost.localdomain>
wrote:
> As word to the wise, our entire department is unable to run tv
> commands with idl 6.2 without having it "segmentation fault" and
>
> Since I'm sure that if I report this to RSI I'll get told its a linux
> problem,

Hi Greg,

ITTVIS has asked (<http://www.ittviz.com/forum/message.asp?fmid=2848>
that users with this problem report the values after running the
following 2 commands

```
X -version  
$ glxinfo | grep "OpenGL renderer\|OpenGL vendor \|OpenGL version\  
direct"
```

as they try to debug the problem. --Wayne

Subject: Re: idl segfaults in FC5
Posted by [David Fanning](#) on Thu, 12 Apr 2007 21:20:56 GMT
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Greg Hennessy writes:

> As word to the wise, our entire department is unable to run tv
> commands with idl 6.2 without having it "segmentation fault" and
> die. Our department runs Fedora Core 5, and idl 6.2, and in the past
> 24 hours there have the following updates:
> Apr 12 04:43:48 Updated: xorg-x11-server-Xorg.x86_64 1.0.1-9.fc5.7

> Apr 12 04:44:18 Updated: libX11.i386 1.0.0-4.fc5
> Apr 12 04:44:19 Updated: libX11.x86_64 1.0.0-4.fc5
> Apr 12 04:44:25 Updated: libX11-devel.x86_64 1.0.0-4.fc5
>
> Since I'm sure that if I report this to RSI I'll get told its a linux
> problem, and if I report this to Fedora I'll be told its an
> application problem, I'll just wait and see how long untill this gets
> fixed. But I thought I might want to pass the word on to others in
> case someone is busy trying to debug why their IDL sessions are dying.

I've had e-mails to this effect today, too. Something
bad is happening in those updates!

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: idl segfaults in FC5

Posted by [David Fanning](#) on Thu, 12 Apr 2007 22:13:50 GMT

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Greg Hennessy writes:

> You wouldn't happen to have a solution, would you?

Uh, avoid updates until further notice. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: idl segfaults in FC5

Posted by [Greg Hennessy](#) on Fri, 13 Apr 2007 00:23:51 GMT

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On 2007-04-12, Wayne Landsman <vze49sx6@verizon.net> wrote:
> ITTVIS has asked (<http://www.ittvis.com/forum/message.asp?fmid=2848>
> that users with this problem report the values after running the
> following 2 commands

Thanks Wayne, I'll give it a try tomorrow.

I think Wayne and I worked on the same project starting in 1987,
although Wayne started earlier than I did on that project.

Subject: Re: idl segfaults in FC5
Posted by [Robbie](#) on Fri, 13 Apr 2007 03:18:23 GMT
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There's nothing about the problem affecting other packages on

<https://bugzilla.redhat.com/>

The original version shipped with Fedora Core 5 is:

<http://download.fedora.redhat.com/pub/fedora/linux/core/5/i386/os/repodata/repoview/libX11-0-1.0.0-3.html>

The move to 1.0.0-4 seems to be a vulnerability fix

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2007-1667>

Seems strange that this could affect IDL. Have you tried turning off
selinux?

I recently upgraded to Fedore Core 6 and there are no problems there.

Subject: Re: idl segfaults in FC5
Posted by [Greg Hennessy](#) on Fri, 13 Apr 2007 14:10:04 GMT
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On 2007-04-12, Wayne Landsman <vze49sx6@verizon.net> wrote:
> ITTVIS has asked (<http://www.ittvis.com/forum/message.asp?fmid=2848>
> that users with this problem report the values after running the
> following 2 commands

I'll try to figure out how to post it to their forum.

```
[gsh@libra ~]$ X -version
```

X Window System Version 7.0.0

Release Date: 21 December 2005

X Protocol Version 11, Revision 0, Release 7.0

Build Operating System: Linux 2.6.9-42.0.8.ELsmp x86_64 Red Hat, Inc.

Current Operating System: Linux libra.usno.navy.mil 2.6.20-1.2307.fc5 #1 SMP Sun Mar 18 20:58:09 EDT 2007 x86_64

Build Date: 08 April 2007

Before reporting problems, check <http://wiki.x.org>
to make sure that you have the latest version.

Module Loader present

```
[gsh@libra ~]$ glxinfo | grep "OpenGL renderer\|OpenGL vendor \|OpenGL version\|direct"
direct rendering: No
```

OpenGL vendor string: Mesa project: www.mesa3d.org

OpenGL renderer string: Mesa GLX Indirect

OpenGL version string: 1.2 (1.5 Mesa 6.4.2)

Subject: Re: idl segfaults in FC5

Posted by [Greg Hennessy](#) on Fri, 13 Apr 2007 14:20:43 GMT

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On 2007-04-13, Robbie <retsil@iinet.net.au> wrote:

> Seems strange that this could affect IDL. Have you tried turning off
> selinux?

I never had selinux on.

Subject: Re: idl segfaults in FC5

Posted by [George N. White III](#) on Sun, 15 Apr 2007 12:49:56 GMT

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On Thu, 12 Apr 2007, Greg Hennessy wrote:

> On 2007-04-12, David Fanning <news@dfanning.com> wrote:

>> I've had e-mails to this effect today, too. Something

>> bad is happening in those updates!

>

> You wouldn't happen to have a solution, would you?

GDL is working for me.

--

Subject: Re: idl segfaults in FC5
Posted by [jkj](#) on Mon, 16 Apr 2007 19:04:48 GMT
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On Apr 15, 7:49 am, "George N. White III" <gwh...@eastlink.ca> wrote:
> On Thu, 12 Apr 2007, Greg Hennessy wrote:
>> On 2007-04-12, David Fanning <n...@dfanning.com> wrote:
>>> I've had e-mails to this effect today, too. Something
>>> bad is happening in those updates!
>
>> You wouldn't happen to have a solution, would you?
>
> GDL is working for me.
>
> --
> George N. White III <a...@chebucto.ns.ca>

Interesting to find this discussion - I walked away from some IDL work last Thursday because the seg faults using tv commands from the command line were 'one more problem' and too perplexing to look into at that point. Here is the output from "X -version" on the system I am currently on (two separate Fedora Core 6 systems, both coming down with the same affliction on the same day!):

```
X Window System Version 7.1.1
Release Date: 12 May 2006
X Protocol Version 11, Revision 0, Release 7.1.1
Build Operating System: Linux 2.6.9-42.0.8.ELsmp i686 Red Hat, Inc.
Current Operating System: Linux zed 2.6.20-1.2933.fc6 #1 SMP Mon Mar
19 10:42:48 EDT 2007 i686
Build Date: 08 April 2007
Build ID: xorg-x11-server 1.1.1-47.8.fc6
    Before reporting problems, check http://wiki.x.org
    to make sure that you have the latest version.
Module Loader present
```

I have no glxinfo command... perhaps there is a package which I should add?

Anyway, I have been updating Fedora through Yum. Both of my systems were running Fedora Core 5 and I simply updated each of them using Core 6 CDs, something I will never do again because of a plethora of difficulties - fresh installs only from now on when switching core versions.

I can add to this discussion by pointing out that procedures which use the "tv" and Fanning's "tvimage" routines still work!! In other words, this is only problematic for me when I issue tv-related commands from the IDL prompt.

-Kevin

Subject: Re: idl segfaults in FC5

Posted by [jkj](#) on Mon, 23 Apr 2007 21:52:06 GMT

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>
> Anyway, I have been updating Fedora through Yum. Both of my systems
> were running Fedora Core 5 and I simply updated each of them using
> Core 6 CDs, something I will never do again because of a plethora of
> difficulties - fresh installs only from now on when switching core
> versions.
>
> I can add to this discussion by pointing out that procedures which use
> the "tv" and Fanning's "tvimage" routines still work!! In other
> words, this is only problematic for me when I issue tv-related
> commands from the IDL prompt.
> -Kevin

Getting back to this... if my output device was 'ps' then I had no problem, only seg faulted with an output device of 'x'

...I'm going to post this link for some other poor lost soul who might be looking for information:

<http://www.itvis.com/services/techtip.asp?ttid=4177>

The fault persisted on my system after only following the libX11 advice and simply defining LIBGL_ALWAYS_INDIRECT=1 did not resolve the problem; however, by doing both of these everything seems functional again.

I submitted a bug report last week to our IT department - anybody know of a way to check ITT's site to find out if it actually was passed on to ITT? I never did hear back from our folks, so my hunch is that it fell into a black hole.

-Kevin
