
Subject: Re: X-windows locking up
Posted by [Harvey Rarback](#) on Tue, 15 Oct 2002 17:26:40 GMT
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"Ian Dean" <ian.d.dean@baesystems.com> wrote in message
news:3dac27c2\$1@baen1673807.greenlnk.net...

>
> This request is really for the VMS users out there.!!!!

The last of a dying breed :-(

> Is there a known bug using the sensitive flag on a widget base under
> OpenVMS?
>
> What I want is a widget structure that has greyed out areas until some
later
> stage when I need them to be made available. It is at this point the
failure
> occurs.
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> For instance, the following code:
[...]
>
> When I run the above under OpenVMS 7.1 and IDL 5.4 and the drop-down
> list is originally unavailable as expected. However, when my_base is made
> sensitive
> the droplist widget is enabled, but all the selections available
> ('aaa','bbb'...) are greyed out. Furthermore, at this point the X-system
> locks up. I can no longer size the screen, close it, minimise it.
> All I can do is reboot - not exactly desirable.

I can confirm that the bug exists on an earlier version of IDL (5.3) on a
later version of OpenVMS Alpha (7.3).

Why don't you ask RSI to fix it ;-)

--Harvey

Subject: Re: X-windows locking up
Posted by [Dave Greenwood](#) on Tue, 15 Oct 2002 17:50:36 GMT
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In a previous article, "Ian Dean" <ian.d.dean@baesystems.com> wrote:

> Hi all,
> Sorry if this has already been posted - the original seems to have
> disappeared.

```

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>   my_base = widget_base(tlb, column=1)
>   widget_control,my_base,sensitive=0 ; Don't allow the user access yet
>   base2 = widget_base(my_base, row=1)
>   pulld2 = widget_droplist(base2, value=['aaa','bbb'])
>   base3 = widget_base(my_base, row=1)
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> widget_control, tlb,/realize
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> locks up. I can no longer size the screen, close it, minimise it.
> All I can do is reboot - not exactly desirable.

```

I see the same problem with VMS 7.3 and IDL 5.3. However, if you can telnet or set host to your VMS box all you need to do is to stop the process running IDL - no need to reboot. I *also* see this problem using an AIX system running IDL 5.3 so it may be a problem with IDL and *Xwindows* rather than a problem with IDL and VMS. However, in my test the X server was still my VMS system so I can't say whether it's X or VMS for sure. Perhaps some unix user will be willing to test this and verify where the problem is.

```

> Note: this only happens if the droplist is in a base below the insensitive
> base.

```

I have an IDL utility that maps and unmaps bases with various options

depending on what's needed when. The contents of those bases are mutually exclusive so I just map one base at a time, all in the same screen real estate. At least one of my mapped bases includes a droplist, although I don't recall offhand if there are intermediate bases between the mapped base and the droplist. The same code works on VMS, Windows and Linux.

Dave

Dave Greenwood Email: Greenwoodde@ORNL.GOV
Oak Ridge National Lab %STD-W-DISCLAIMER, I only speak for myself

Subject: Re: X-windows locking up
Posted by [Jeff Guerber](#) on Wed, 16 Oct 2002 02:13:04 GMT
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On Tue, 15 Oct 2002, Ian Dean wrote:

```
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> locks up. I can no longer size the screen, close it, minimise it.
> All I can do is reboot - not exactly desirable.
> [...]
```

I can confirm that this also occurs with IDL 5.5 on HP-UX (!version =

{ hp_pa hp-ux unix hp-ux 5.5 Aug 28 2001 32 64}), displaying on a Hummingbird Exceed 7.0.0 x-server running on Windows 2000 Pro. I _was_, however, able to type "exit" at the IDL> prompt.

I noticed that my_test doesn't have an event handler, so I tried it with an appropriate xmanager call (first just before the end statement, then just after the widget_control,/realize) and a simple handler, but it didn't help. The first time, I neglected the /no_block keyword, it completely locked up the terminal window... not even ^C worked... and I had to kill the IDL process from another terminal window, but the second time, with /no_block, I did still have the IDL command line. There was no indication that the handler was ever entered (it would have printed out a message). Good luck!

Jeff Guerber

P.S. Our newsserver received both versions of your posting, so the first one wasn't lost after all.

Subject: Re: X-windows locking up
Posted by [R.Bauer](#) on Wed, 16 Oct 2002 12:08:28 GMT
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Dear Ian,

it's already posted but it's fine to see others do more tests on different systems.

I believe nearly the same was asked by Claudia Herklotz at 09.10.2002 with the subject "droplist doesn't work under linux"

regards

Reimar

Ian Dean wrote:

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> locks up. I can no longer size the screen, close it, minimise it.
> All I can do is reboot - not exactly desirable.
>
> Note: this only happens if the droplist is in a base below the insensitive
> base.
>
> Further investigation indicates that the software is expecting me to make a
> selection, but this is not possible because they are greyed out. Hence the
> systems is stuck on waiting for an event that can never occur.
>
> I believe this is only a problem with VMS, as the same code runs as expected
> on NT
>
> I CAN work round it by not making my_base insensitive, but all the lower
> widgets insensitive. However, in the real code, there is a large structure
> of widgets (base,buttons,pull-downs,etc) under this base, and in order to
> make them sensitive, I'd need to set each widget to sensitive individually -
> messy and time consuming.
>
> I would be grateful for any suggestions.
> Regards,
> Ian

>
>
>

--

Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-I)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de

a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html
=====

Subject: Re: X-windows locking up
Posted by [David Fanning](#) on Wed, 16 Oct 2002 12:40:31 GMT
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Ian Dean (ian.d.dean@baesystems.com) writes:

```
> Pro my_test
> tlb = widget_base(column=1)
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> widget_control,my_base,/sensitive ; Now make structure available
> ;~~~~~ this is the point when the system hangs
> end
```

Have you tried realizing the TLB and *then* making the base insensitive? I wonder if there is something in the realize step that is not being set up correctly. I've done this for some of my programs and I have never heard they locked up on UNIX machines.

Cheers,

David

--

David W. Fanning, Ph.D.

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

Toll-Free IDL Book Orders: 1-888-461-0155
