
Subject: insensitive WIDGET_DROPLIST causes major freeze

Posted by [MKatz843](#) on Wed, 23 Apr 2003 00:09:36 GMT

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I just alerted RSInc about this, but I thought I'd share it with the list.

I found a multi-platform widget_droplist bug. I know droplist has been deprecated in favor of the combobox, but I'm still using droplist in some places. So far this bug has caused problems on Red Hat Linux (7.1?) and Mac OS X 10.2.5 running X11 beta 3.

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This is important: the widget_base that contains row1 is created with SENSITIVE=0 to begin with.

Now, in response to a separate event, the base is made SENSITIVE with a widget_control command to the base.

I click on the droplist, and it pops up with all of the options grayed-out. The mouse cursor turns to a up-and-to-the-right-facing arrow, and the entire X session locks up except for mouse motion.

On Linux the whole session is completely frozen, all windows are unresponsive. I had to log-in remotely to kill IDL.

On Mac OS X 10.2.5, the same thing happens, all of X was frozen with the droplist open and the right-facing arrow showing. But since X11 runs as an application, I just opened a terminal window and killed the job from the command line; the rest of the OS kept humming along (mp3s didn't skip a beat :P)

Anyone else see this kind of behavior?

Subject: Re: insensitive WIDGET_DROPLIST causes major freeze

Posted by [bias](#) on Mon, 28 Apr 2003 09:44:22 GMT

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MKatz843@onebox.com (M. Katz) wrote in message
news:<4a097d6a.0304221609.45539db5@posting.google.com>...

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Yes, just 2 days after your posting I found exactly the same happening
in my widget application. I'm using XFree86 4.1 on Debian GNU Linux 3.0
and HP-UX 11.

Did you receive a response from RSInc. or find a way to avoid the problem ?

Tobias

Subject: Re: insensitive WIDGET_DROPLIST causes major freeze
Posted by [JD Smith](#) on Mon, 28 Apr 2003 15:27:25 GMT
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On Mon, 28 Apr 2003 02:44:22 -0700, Tobias Umbria wrote:

```
> MKatz843@onebox.com (M. Katz) wrote in message
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> and HP-UX 11.
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> problem ?
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```

A similar bug related to WIDGET_COMBOBOX:

```
b1=widget_base(/COLUMN,xsize=100,ysize=100)
b=widget_base(/COLUMN,/MODAL,GROUP_LEADER=b1)
c=widget_combobox(b,value=strtrim(randomu(sd,50)*1000))
widget_control,b1,/realize
widget_control,b,/realize
```

Then click on the drop-down for the combo-box. The bug only seems related to combo-box widgets in modal bases, and probably only for Unix/Motif versions of IDL. Has anyone else noticed the disturbing (to me anyway) trend that Windows versions seem to be a bit better debugged, especially for widget elements, than Unix?

JD

Subject: Re: insensitive WIDGET_DROPLIST causes major freeze

Posted by [David Fanning](#) on Mon, 28 Apr 2003 15:43:23 GMT

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JD Smith (jdsmith@as.arizona.edu) writes:

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> for widget elements, than Unix?

Oh, hooray! I am S-O-O-O tired of being near the
bottom of every important programming/performance
category! :-)

Cheers,

A Windows User

--

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: david@dfanning.com

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

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

Subject: Re: insensitive WIDGET_DROPLIST causes major freeze

Posted by [MKatz843](#) on Mon, 28 Apr 2003 16:32:33 GMT

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> Did you receive a response from RSInc. or find a way to avoid the problem ?
>
> Tobias

RSInc couldn't replicate the problem. They made a stripped-down widget app to perform their test. They missed my instructions a bit and made the droplist insensitive rather than the base that contains it.

So, I modified their test program to make it more like the one in my real application. With this minimal widget, I couldn't make it behave badly. There must be more than just the one factor--more than just creating the droplist in a base that's insensitive. I'll look into it more as time allows. If you find the cause, please post.

Thanks,
M. Katz

Subject: Re: insensitive WIDGET_DROPLIST causes major freeze

Posted by [R.Bauer](#) on Mon, 28 Apr 2003 22:20:14 GMT

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David Fanning wrote:

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>
> Oh, hooray! I am S-O-O-O tired of being near the
> bottom of every important programming/performance
> category! :-)
>
> Cheers,
>
> A Windows User

OOPS. And I was thinking you'll use boths.

Reimar

>

--

Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg-i/>

=====

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

Subject: Re: insensitive WIDGET_DROPLIST causes major freeze
Posted by [R.Bauer](#) on Mon, 28 Apr 2003 22:36:26 GMT
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Dear M. (what does M. stand for)

I have tried it but it works.

Here is my example. where is it different to yours.

```
PRO test_event,ev
  cmd=WIDGET_INFO(ev.id,/uname)

  CASE cmd[0] OF
    'SWITCH': $
      WIDGET_CONTROL,WIDGET_INFO(ev.top,find_by_uname='ROW1'),/sensitive
    'QUIT':WIDGET_CONTROL,ev.top,/destroy
  ELSE:
  ENDCASE
END
```

```
PRO test
  tlb=WIDGET_BASE(col=3)
  row1=WIDGET_BASE(tlb,sensitive=0,uname='ROW1')
  st = ['A','B','C','D']
  filterID = WIDGET_DROPLIST(row1, VALUE=st, UVALUE='dont_bug_me')
  button=WIDGET_BUTTON(tlb,value='SWITCH',uname='SWITCH')
  quit=WIDGET_BUTTON(tlb,value='QUIT',uname='QUIT')
  WIDGET_CONTROL,/realize,tlb
  XMANAGER,'test',tlb
END
```

I have tested on suSE 8.2 (KDE3.1 and the newest X-Server)

help,!version,/str

** 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  '5.6'
BUILD_DATE STRING  'Oct 26 2002'
MEMORY_BITS INT    32
FILE_OFFSET_BITS
          INT      64
```

regards

Reimar

M. Katz wrote:

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--

Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg-i/>

=====

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