## 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 depricated 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.

Here's the bug.

Create a widget\_droplist with a command like this.

```
st = ['A','B','C','D']
filterID = widget_droplist(row1, VALUE=st, UVALUE='dont_bug_me')
```

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 openand 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 View Forum Message <> Reply to Message

MKatz843@onebox.com (M. Katz) wrote in message news:<4a097d6a.0304221609.45539db5@posting.google.com>... > I just alerted RSInc about this, but I thought I'd share it with the

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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 Umblia wrote:

```
> MKatz843@onebox.com (M. Katz) wrote in message
> news:<4a097d6a.0304221609.45539db5@posting.google.com>...
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> and HP-UX 11.
> Did you receive a response from RSInc. or find a way to avoid the
> 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 View Forum Message <> Reply to Message

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

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- > 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?

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 not 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 View Forum Message <> Reply to Message

## David Fanning wrote:

- > JD Smith (jdsmith@as.arizona.edu) writes:
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- >> related to combo-box widgets in modal bases, and probably only for
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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

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

Reimar

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'), /sen sitive
   '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'
                   STRING 'Oct 26 2002'
 BUILD DATE
 MEMORY_BITS
                    INT
                                32
 FILE OFFSET BITS
           INT
                       64
regards
Reimar
M. Katz wrote:
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- > job from the command line; the rest of the OS kept humming along (mp3s
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> Anyone else see this kind of behavior?

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