
Subject: X-windows locking up
Posted by [Ian Dean](#) on Tue, 15 Oct 2002 14:37:14 GMT
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Hi all,
Sorry if this has already been posted - the original seems to have disappeared.

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

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.

For instance, the following code:

```
Pro my_test
  tlb = widget_base(column=1)
  message=widget_label(tlb,value='A header')
  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)
  pulld3 = widget_droplist(base2, value=['ccc','ddd'])
; ... more such bases and widgets
widget_control, tlb,/realize
wait,5.0 ; Do some processing
widget_control,my_base,/sensitive ; Now make structure available
;~~~~~ this is the point when the system hangs
end
```

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.

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
