
Subject: Re: Secret to resizing text widgets
Posted by [mikef](#) on Mon, 27 Mar 2000 08:00:00 GMT
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I played around with this for a while and came up with a reasonably generic solution using the `Widget_Info(wid*, /Geometry)` function after the base has been realized.

This works with both text and draw widgets on both Windows NT and Solaris 5.7 with IDL 5.2.

One problem is the menubar on Solaris: it is included in the widbase geometry but seems to be ignored when widbase is resized, leading to the window growing by the menu height extra vertically.

In article <38DBDE9A.46DAA20A@mailhost.va.aetc.com>, Bernard Puc <bpuc@va.aetc.com> wrote:

```
> Hello,
>
> I give up. Who can tell me the secret to modifying the size of a text
> widget with resize events on the base widget? I want to have a simple
> widget to display some lines of text. I want the user to be able to
> resize the window. Why is this so difficult? All the examples of
> resize that I have looked at deal with draw widgets only. If I specify
> a base widget with column ordering, the xsize of the text widget
> automatically gets resized, but the y axis does not. If I specify the
> xsize of the text widget, it is ignored. Below is the code sample I
> have been stressing over. If anyone can help, I'd be too grateful for
> words.
>
> <=====Start of file textbox.pro=====>
>
> pro textbox_event, event
>
> widget_Control, event.top, Update = 0
> widget_control, event.top, get_uvalue = info
>
>
> ;PRINT DEBUG
> widget_control, event.top, tlb_get_size = tlbsize
> ;print,'1-Base size:',tlbsize
>
>
>
> widget_control, info.widtext, scr_ysize = event.y
> widget_control, info.widtext, scr_xsize = event.x
> widget_control, info.widtext, scr_ysize = event.y-info.geo.y_offs
> widget_control, info.widtext, scr_xsize = event.x-info.geo.x_offs
>
> ;print,'(' +strtrim(event.x,2)+' '+strtrim(event.y,2)+')
```

```

>
> ;Reset the widbase widget size

;>widget_Control, event.top, xsize = tlbsize[0]-0, ysize = tlbsize[1]-0
widget_Control, event.top, xsize = tlbsize[0]+info.geo.x_xtra,$
    ysize = tlbsize[1]+info.geo.y

> widget_control, event.top, /update
>
> ;PRINT DEBUG
> widget_control, event.top, tlb_get_size = tlbsize
> ;print,'2-Base size:',tlbsize
> wait, 0.01
>
> end
> ;*****
> pro textbox
> widbase = widget_base(column = 0,$
> TLB_Size_Events = 1)
>
> widbuttonclose = widget_button(widbase,$
> value = 'Close',$
> ysize = 30,$
> xsize = 120)
>
> widtext = widget_text(widbase,$
> scroll = 1,$
> editable = 1,$
> yoffset = 35,$
> scr_xsize = 200,$ ;Units are pixels
> scr_ysize = 300)
>
tlbgeo = Widget_Info(widbase, /geometry)
txtgeo = Widget_Info(widtext, /geometry)
x_xtra = tlbgeo.scr_xsize - tlbgeo.xsize
y_xtra = tlbgeo.scr_ysize - tlbgeo.ysize
x_offs = tlbgeo.xsize - txtgeo.scr_xsize
y_offs = tlbgeo.ysize - txtgeo.scr_ysize

geo = { x_xtra:x_xtra,y_xtra:y_xtra,$
    x_offs:x_offs,y_offs:y_offs}
> info = {$
    geo:geo,$
> widbuttonclose:widbuttonclose,$
> widtext:widtext }
>
> widget_control, widbase, /realize, Set_Uvalue = info
> xmanager, 'textbox', widbase, /no_block

```

> end

>

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