## Subject: Re: Widget placement problem Posted by David Fanning on Fri, 24 Nov 2006 21:26:56 GMT View Forum Message <> Reply to Message

## Braedley writes:

```
> I want to put a small logo in a draw widget at the bottom left hand
> corner of a tab. The only other thing in the tab is a series of
> labels. Right now, the draw widget is being placed just below the
> text, and not at the very bottom of the tab like I would like. Summery
> of code:
 read_jpeg, 'logo.jpg', logo
>
>
 base=widget_base(title='Wizard', /col)
>
> tab steps=widget tab(base)
> intro=widget base(tab steps, title='Introduction', row=2, xsize=600,
> ysize=400)
> text_base=widget_base(intro, /base_align_left, col=1)
> t1='This wizard will help you set up stuff.'
> I1=widget label(text base, value=t1)
> ;there's more labels, but who cares
>
> sz=size(logo)
> draw_base=widget_base(intro, /align_left, /base_align_bottom)
> logo_win=widget_draw(draw_base, xsize=sz[2], ysize=sz[3],
> /align bottom)
>
> widget_control, base, /realize
> widget control, logo win, get value=win
> wset, win
> tvimage, logo, /keep_aspect_ratio
> I've tried various combinations of alignments, but nothing seems to
> work. Any suggestions?
```

The main problem you are having is that you cannot position widgets in bulletin board bases in the way you are doing it (I.e., by setting ALIGN\_\*\*\* keywords). You have to position them via OFFSETS from the upper-left hand corner of the base you are positioning them into. For example, I can get this logo hear the bottom of the base just by estimating the offsets. (If I want to get it \*exactly\* there, I have to get the geometry of the base and subtract the size of the image from that.)

base=widget base(title='Wizard', /col)

```
tab steps=widget tab(base)
intro=widget base(tab steps, title='Introduction', row=2, $
 xsize=600,ysize=400)
text_base=widget_base(intro, /base_align_left, col=1)
t1='This wizard will help you set up stuff.'
I1=widget_label(text_base, value=t1)
there's more labels, but who cares
sz=size(logo)
draw base=widget base(intro, /align left, /base align bottom)
logo_win=widget_draw(draw_base, xsize=sz[2], $
 ysize=sz[3],xoffset=0, yoffset=375-sz[3])
widget_control, base, /realize
widget_control, logo_win, get_value=win
wset, win
tvimage, logo, /keep aspect ratio
> While I'm on it, I'm getting black lines around the bottom and left of
> the image that aren't present in the original. Is this a tvimage thing
> or something else?
I don't see any black lines. I doubt if it is a TVImage thing. :-)
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Widget placement problem
Posted by Braedley on Sat, 25 Nov 2006 03:54:27 GMT
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```
David Fanning wrote:
```

> Braedley writes:

>

- >> I want to put a small logo in a draw widget at the bottom left hand
- >> corner of a tab. The only other thing in the tab is a series of
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- >> of code:

>>

```
>> read_jpeg, 'logo.jpg', logo
>>
>> base=widget_base(title='Wizard', /col)
>>
>> tab_steps=widget_tab(base)
>> intro=widget_base(tab_steps, title='Introduction', row=2, xsize=600,
>> vsize=400)
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>> t1='This wizard will help you set up stuff.'
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>> logo_win=widget_draw(draw_base, xsize=sz[2], ysize=sz[3],
>> /align_bottom)
>>
>> widget_control, base, /realize
>> widget control, logo win, get value=win
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>> I've tried various combinations of alignments, but nothing seems to
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> The main problem you are having is that you cannot position
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> you are positioning them into. For example, I can get this
> logo hear the bottom of the base just by estimating the offsets.
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> of the base and subtract the size of the image from that.)
> base=widget_base(title='Wizard', /col)
>
> tab_steps=widget_tab(base)
> intro=widget base(tab steps, title='Introduction', row=2, $
    xsize=600,ysize=400)
> text base=widget base(intro, /base align left, col=1)
> t1='This wizard will help you set up stuff.'
> I1=widget_label(text_base, value=t1)
> :there's more labels, but who cares
>
> sz=size(logo)
> draw_base=widget_base(intro, /align_left, /base_align_bottom)
> logo win=widget draw(draw base, xsize=sz[2], $
    ysize=sz[3],xoffset=0, yoffset=375-sz[3])
```

```
> widget control, base, /realize
> widget_control, logo_win, get_value=win
> wset, win
> tvimage, logo, /keep_aspect_ratio
>
>
>> While I'm on it, I'm getting black lines around the bottom and left of
>> the image that aren't present in the original. Is this a tvimage thing
>> or something else?
> I don't see any black lines. I doubt if it is a TVImage thing. :-)
>
> Cheers,
> David
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```

Thanks for the tip.

For some reason, I had to set the TV keyword in order to get rid of those lines.

Subject: Re: Widget placement problem
Posted by David Fanning on Sat, 25 Nov 2006 04:58:00 GMT
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## Braedley writes:

- > For some reason, I had to set the TV keyword in order to get rid of
- > those lines.

I suppose there could be a rounding error with some image sizes, when you ask to keep the aspect ratio and you are trying to put it into a window that is exactly the right size. In this case a TV keyword without the KEEP\_ASPECT is probably the correct command anyway.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc. Coyote's Guide to IDL Programming: http://www.dfanning.com/ Sepore ma de ni thui. ("Perhaps thou speakest truth.")