
Subject: Printing a collection of widget items
Posted by [Ryan](#) on Tue, 01 Aug 2006 20:19:13 GMT
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Dear All,

I have one window with a collection of button, text, draw and label widgets (in one base widget) and would like to know if there is a way of printing it. I tried to get the value (id) of the base widget to try to use David Fanning's TVREAD routine, but you cannot call the get_value parameter on a widget_base. Has anyone been able to do this or does anyone know what the correct way to do it? My routine is quite lengthy because there are so many widgets so I will not include it but I can put it up if you would like. Thanks.

Ryan.

Subject: Re: Printing a collection of widget items
Posted by [mmiller3](#) on Thu, 03 Aug 2006 14:27:57 GMT
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>>>> > "Ryan" == Ryan <rchughes@brutus.uwaterloo.ca> writes:

> Thanks for your response but all my draw widgets are
> indicator lights (only 1 of 5 colors) for about 30
> different things so putting the labels on manually would
> not be feasible. It would be better for me to spend my
> time writing something where all the indicators are written
> directly to a postscript file. I am using IDL on UNIX and
> have the plotting set to X windows. Thanks for the
> suggestion though.

Ryan,

Here's a procedure that uses import (from ImageMagick) to capture a top level base. It helps to know the title of the base widget as well as the widget id - then it is entirely automatic. Otherwise you'll need to select the window with the mouse. (does anyone know how to get the title of a base widget in IDL?)

Note that the type of file that you are capturing to is determined by the extension of the filename: .ps for postscript, .pdf for pdf, .jpg for jpeg, and so on.

Hope this helps, Mike

```
pro import_tlb, widget_id, filename, title=title
;; Bring the widget to the front:
widget_control, widget_id, iconify=0

;; If we know the window title, then capture it directly, otherwise
;; use what the user selects:
if n_elements(title) eq 1 then begin
    cmd = 'import -screen -window "' + title + '" ' + filename
endif else begin
    cmd = 'import -screen ' + filename
endelse
spawn, cmd, result
print, result
end
```

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Subject: Re: Printing a collection of widget items
Posted by [Benjamin Hornberger](#) on Thu, 03 Aug 2006 15:30:44 GMT
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Michael A. Miller wrote:

>
> Here's a procedure that uses import (from ImageMagick) to capture
> a top level base.

That's very useful, thanks!

> It helps to know the title of the base widget
> as well as the widget id - then it is entirely automatic.
> Otherwise you'll need to select the window with the mouse. (does
> anyone know how to get the title of a base widget in IDL?)
>

It looks like WIDGET_CONTROL is lacking a TLB_GET_TITLE keyword. But I usually keep track of the title internally, since I change it (TLB_SET_TITLE) sometimes.

What happens if the title is not unique? Will it capture the window in the foreground?

It looks like import works only for X Windows. But I found out that Irfanview can also run in command-line mode to do the same on MS Windows.

Thanks,

Benjamin

Subject: Re: Printing a collection of widget items
Posted by [Mike\[2\]](#) on Fri, 04 Aug 2006 17:15:56 GMT
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Benjamin Hornberger wrote:

- > What happens if the title is not unique? Will it capture the window in
- > the foreground?

I think it will capture the foremost window. If you've selected another window with the same title, I think you'll get that one.

- > It looks like import works only for X Windows. But I found out that
- > Irfanview can also run in command-line mode to do the same on MS Windows.

That's good to know!

Mike
