
Subject: Re: How to retrieve information from an event to use it in another event?

Posted by [Vince Hradil](#) on Tue, 19 Jun 2007 16:54:47 GMT

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On Jun 19, 11:34 am, "aleks.fra...@gmail.com" <aleks.fra...@gmail.com> wrote:

> On 19 jun, 11:55, Paul van Delst <Paul.vanDe...@noaa.gov> wrote:

>

>

>

>> aleks.fra...@gmail.com wrote:

>>> Hello!

>>> Maybe it's a likely simple question, but I can't figure it out. I have
>>> 2 buttons and I want them to communicate. My widget has 2 buttons and
>>> each button is a separate event. Button A chooses an image A to open.
>>> Button B chooses an image B to open. I need to keep the information
>>> from image A in order to compare with image B. Because they are 2
>>> separate events, when the first events ends (opens image A) all the
>>> information about image A is lost. What do I need to do to keep the
>>> information from an event and use it in another event?

>

>> What do you mean be "information from image A" ? The image itself (for comparison with
>> image B) or information about image A (e.g. size, min/max vals etc) ?

>

>> Asking the same question a bit more broadly: What, exactly, do you want your widget to do?

>

>> cheers,

>

>> paulv

>

>> --

>> Paul van Delst Ride lots.

>> CIMSS @ NOAA/NCEP/EMC Eddy Merckx

>

> Ok, I'll try it in another way.

>

> I have I have 2 buttons: Open1 and Open2

>

> ;Starts here

> CASE eventval OF

> 'Open1' :BEGIN

> cd,'c:\rsi\idl63\examples\data'

> envi_select, title="WAVECHANGE: Select 'Initial State' Image", \$

> fid=fid1, dims=dims1, pos=pos1

>

> if (fid1 eq -1) then return

>

> envi_file_query, fid1, fname=fname1, bname=bname1, \$

```

>         data_type=data_type1,$
>         ns=ns1, nl=nl1, nb=nb1,$
>         sname=sname1, xstart=xstart1, ystart=ystart1
>
>         WIDGET_CONTROL(*pinfo).wOpen1,SENSITIVE=0
>
>         WIDGET_CONTROL(*pinfo).wOpen2,SENSITIVE=1
>
>     END
>
>     'Open2' :BEGIN
>
>         envi_select, title="WAVECHANGE: Select 'Final State' Image",$
>         fid=fid2, dims=dims2, pos=pos2
>
>         if (fid2 eq -1) then return
>
>         envi_file_query, fid2, fname=fname2, bname=bname2,$
>         data_type=data_type2,$
>         ns=ns2, nl=nl2, nb=nb2,$
>         sname=sname2, xstart=xstart2, ystart=ystart2
>
>         name_pos = STRPOS(fname1, '\', /REVERSE_SEARCH)
>         path=STRMID(fname1, 0,name_pos+1)
>
> ;;
> ;;_____HERE IS THE PROBLEM..
> ;;_____I need to compare fid1 with fid2, but the program kills all
> information from 'Open1' event
> ;;
>         if (fid1 eq fid2) then begin
>             message=[["You have selected the same image twice!"],[""],
> ["Please, select both images again"]]
>             result=dialog_message (message,title="Error!", /error)
>             return
>         endif
>
>         if (nb1 ne nb2) then begin
>             message=[["The selected images must have the same number of
> bands!"],[""],["Please, select both images again"]]
>             result=dialog_message (message,title="Error!", /error)
>             return
>         endif
>
>     END
>
> When I finish the first case, it seems that all the information about
> 'Open1' is killed. I need the variables from Open1 to use them in my

```

> 'Open2'. In other words, I need to retrieve the variables: fid1, dim1,
> pos1, data_type1, ns1, nl1, nb1, sname1, xstart1, ystart1.
>
> I hope I was clear this time.
>
> Thank you.

make an info structure in your "main" program like:

```
info = {fid1:(-1), fid2:(-1), nb1:0L, nb2:0L .. etc }
```

make a pointer to that

```
info_ptr = ptr_new(info)
```

in your event function put:

```
widget_control, event.top, get_uvalue=info_ptr
```

Then you can look use (*info_ptr).fid1, etc...
