
Subject: Re: CW_BGROUP and NONEXCLUSIVE
Posted by [David Fanning](#) on Sat, 24 Nov 2001 14:55:26 GMT
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Ralf Schaa (schaa@geo.uni-koeln.de) writes:

> I have this little problem with CW_BGROUP and the parameter /NONEXCLUSIVE:
> as far as i know the buttons can have two values (on=1, and off=0) , so how
> can i tell my program, that if when the status of the button is 'on' that he
> does something (for testing: print, 'on' and otherwise print, 'off') ..see
> the source below how i tried to solve it..seems logical to me, but it
> doesn't work....

I don't use CW_BGROUP, so I can't really help you with
how that works, but I think most of your problem lies
in this part of your code:

```
> CASE Ev OF
>   'onoff': BEGIN
>     draw.onoffpanel= event.value
```

That last statement is effectively turning
all of your buttons ON or all of your buttons OFF,
based on the value from a single button. The problem
you have is that you don't know which button that
was.

```
IDL> draw = {onoffpanel: fltarr(4) }
IDL> print, draw.onoffpanel
  0.000000  0.000000  0.000000  0.000000
IDL> draw.onoffpanel = 1
IDL> print, draw.onoffpanel
  1.00000  1.00000  1.00000  1.00000
```

You probably want to know which button was selected,
so you can change the proper value in your onoffpanel
field. Maybe something like this:

```
Widget_Control, event.id, Get_Value=buttonValue
CASE buttonValue OF
  'Sat1': draw.onoffpanel[0] = event.value
  'Sat2': draw.onoffpanel[1] = event.value
  'Sat3': draw.onoffpanel[2] = event.value
  'Sat4': draw.onoffpanel[3] = event.value
ENDCASE
```

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: CW_BGROUP and NONEXCLUSIVE

Posted by [Ralf Schaa](#) on Sun, 25 Nov 2001 11:41:14 GMT

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Thanks a lot David, i will try your suggestions, you saved me a lot of time

.

Greetings

Ralf

Subject: Re: CW_BGROUP and NONEXCLUSIVE

Posted by [R.Bauer](#) on Mon, 26 Nov 2001 12:12:39 GMT

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Ralf Schaa wrote:

>
> Cheers!
> I have this little problem with CW_BGROUP and the parameter /NONEXCLUSIVE:
> as far as i know the buttons can have two values (on=1, and off=0) , so how
> can i tell my program, that if when the status of the button is 'on' that he
> does something (for testing: print, 'on' and otherwise print, 'off') ..see
> the source below how i tried to solve it..seems logical to me, but it
> doesn't work....
>
> thanx for any help!
> ralf

Dear Ralf,

I have written a compound widget for Buttons,
cw_buttons

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/cw_buttons.tar.gz

e.g.

value={value:['Switch1','Switch2'],set:[0,1]}

```
b=cw_buttons(a,value=value,uvalue='EF',col=2,/nonexclusive,frame=2,xoffset=20,yoffset=0,button_frame=1)
```

regards
Reimar

```
PRO test_event,ev
```

```
WIDGET_CONTROL,ev.id,get_uval=cmd
WIDGET_CONTROL,ev.top,get_uvalue=b
CASE cmd OF
  'done':WIDGET_CONTROL,ev.top,/dest
  'FF': BEGIN
    WIDGET_CONTROL,ev.id,get_value=v
    print,v.set
    idx=(WHERE(v.set EQ 1,count))[0]
    IF count GT 0 THEN BEGIN
```

```
value={value:[strtrim(SINDGEN(idx+1),2)],set:MAKE_ARRAY(idx+ 1,/LONG,value=1)}
    WIDGET_CONTROL,b,set_value=value
  ENDIF
END
```

```
ELSE:
  ENDCASE
END
PRO test
```

```
a=WIDGET_BASE(row=2)
value={value:['MIN','SPEC','DEFAULT','MAX'],set:[1,0,0,0]}
```

```
b=cw_buttons(a,value=value,uvalue='FF',row=1,button_xsize=60,frame=2,xoffset=0,yoffset=0,button_frame=1)
value={value:['0'],set:[1]}
```

```
b=cw_buttons(a,value=value,uvalue='EF',col=2,/nonexclusive,frame=2,xoffset=20,yoffset=0,button_frame=1)
```

```
d=WIDGET_BUTTON(a,val='done',uval='done')
WIDGET_CONTROL,/realize,a,set_uvalue=b
XMANAGER,'test',a
END
```

```
>
> ;=====
```

```

> COMMON drawbutton, draw
>   draw = {onoffpanel: fltarr(4) }
>   draw.onoffpanel = [0,0,0,0]      <---my predefined values
>
> ;=====
> ; defined in the main-programm
> ;=====
>   onoffpanel=CW_BGROUP(container1,['sat1','sat2','sat3','sat4' ],$
>   /NONEXCLUSIVE, $
>       FONT=font,/RETURN_INDEX,$
>       UVALUE='onoff',SET_VALUE=draw.onoffpanel, $
>   COLUMN=4,LABEL_TOP='sat-plot: ',/FRAME)
>
> ;=====
> ; defined in the event_programm
> ;=====
>
> WIDGET_CONTROL,Event.Id,GET_UVALUE=Ev
>
>   CASE Ev OF
>     'onoff': BEGIN
>       draw.onoffpanel= event.value
>   CASE draw.onoffpanel(0) OF
>     0: PRINT, 'sat1:off'
>     1: PRINT, 'sat1:on'
>   ENDCASE
>   CASE draw.onoffpanel(1) OF
>     0: PRINT, 'sat2:off'
>     1: PRINT, 'sat2:on'
>   ENDCASE
>   CASE draw.onoffpanel(2) OF
>     0: PRINT, 'sat3:off'
>     1: PRINT, 'sat3:on'
>   ENDCASE
>   CASE draw.onoffpanel(3) OF
>     0: PRINT, 'sat4:off'
>     1: PRINT, 'sat4:on'
>   ENDCASE
>   ENDCASE
>   ENDCASE

```

--

Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)
 Forschungszentrum Juelich
 email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg1/>

=====

a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

=====

read something about linux / windows
<http://www.suse.de/de/news/hotnews/MS.html>

Subject: Re: CW_BGROUP and NONEXCLUSIVE
Posted by [Ralf Schaa](#) on Wed, 28 Nov 2001 07:09:47 GMT
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Ralf

"Reimar Bauer" <r.bauer@fz-juelich.de> schrieb im Newsbeitrag
news:3C0231B7.729D3522@fz-juelich.de...

> Ralf Schaa wrote:

>>

>> Cheers!

>> I have this little problem with CW_BGROUP and the parameter
/NONEXCLUSIVE:

>> as far as i know the buttons can have two values (on=1, and off=0) , so
how

>> can i tell my program, that if when the status of the button is 'on'
that he

>> does something (for testing: print, 'on' and otherwise print, 'off')

..see

>> the source below how i tried to solve it..seems logical to me, but it
>> doesn't work....

>>

>> thanx for any help!

>> ralf

>

> Dear Ralf,

>

> I have written a compound widget for Buttons,

> cw_buttons

>

>

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download

```

oad/cw_buttons.tar.gz
>
> e.g.
> value={value:['Switch1','Switch2'],set:[0,1]}
>
>
b=cw_buttons(a,value=value,uvalue='EF',col=2,/nonexclusive,frame=2,xoffset=2
0,yoffset=0,button_frame=1)
>
>
>
> regards
> Reimar
>
> PRO test_event,ev
>
> WIDGET_CONTROL,ev.id,get_uval=cmd
> WIDGET_CONTROL,ev.top,get_uvalue=b
> CASE cmd OF
>   'done':WIDGET_CONTROL,ev.top,/dest
>   'FF': BEGIN
>     WIDGET_CONTROL,ev.id,get_value=v
>     print,v.set
>     idx=(WHERE(v.set EQ 1,count))[0]
>     IF count GT 0 THEN BEGIN
>
>
>
value={value:[strtrim(SINDGEN(idx+1),2)],set:MAKE_ARRAY(idx+ 1,/LONG,value=1)
}
>     WIDGET_CONTROL,b,set_value=value
>   ENDIF
> END
>
> ELSE:
> ENDCASE
> END
> PRO test
>
> a=WIDGET_BASE(row=2)
> value={value:['MIN','SPEC','DEFAULT','MAX'],set:[1,0,0,0]}
>
>
b=cw_buttons(a,value=value,uvalue='FF',row=1,button_xsize=60 ,frame=2,xoffset
=0,yoffset=0,button_frame=1)
> value={value:['0'],set:[1]}
>
>
b=cw_buttons(a,value=value,uvalue='EF',col=2,/nonexclusive,frame=2,xoffset=2

```

```

0,yoffset=0,button_frame=1)
>
> d=WIDGET_BUTTON(a,val='done',uval='done')
> WIDGET_CONTROL,/realize,a,set_uvalue=b
> XMANAGER,'test',a
> END
>
>>
>> ;=====
>> COMMON drawbutton, draw
>>   draw = {onoffpanel: fltarr(4) }
>>   draw.onoffpanel = [0,0,0,0]      <---my predefined values
>>
>> ;=====
>> ; defined in the main-programm
>> ;=====
>> onoffpanel=CW_BGROUP(container1,['sat1','sat2','sat3','sat4' ],$
>> /NONEXCLUSIVE, $
>>           FONT=font,/RETURN_INDEX,$
>>           UVALUE='onoff',SET_VALUE=draw.onoffpanel, $
>>   COLUMN=4,LABEL_TOP='sat-plot: ',/FRAME)
>>
>> ;=====
>> ; defined in the event_programm
>> ;=====
>>
>> WIDGET_CONTROL,Event.Id,GET_UVALUE=Ev
>>
>>   CASE Ev OF
>>     'onoff': BEGIN
>>       draw.onoffpanel= event.value
>>   CASE draw.onoffpanel(0) OF
>>     0: PRINT, 'sat1:off'
>>     1: PRINT, 'sat1:on'
>>   ENDCASE
>>   CASE draw.onoffpanel(1) OF
>>     0: PRINT, 'sat2:off'
>>     1: PRINT, 'sat2:on'
>>   ENDCASE
>>   CASE draw.onoffpanel(2) OF
>>     0: PRINT, 'sat3:off'
>>     1: PRINT, 'sat3:on'
>>   ENDCASE
>>   CASE draw.onoffpanel(3) OF
>>     0: PRINT, 'sat4:off'
>>     1: PRINT, 'sat4:on'
>>   ENDCASE
>>   ENDCASE

```

```
>>  ENDCASE
>
>  --
>  Reimar Bauer
>
>  Institut fuer Stratosphaerische Chemie (ICG-1)
>  Forschungszentrum Juelich
>  email: R.Bauer@fz-juelich.de
>  http://www.fz-juelich.de/icg/icg1/
>  =====
>  a IDL library at ForschungsZentrum Juelich
>  http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml
>
>  http://www.fz-juelich.de/zb/text/publikation/juel3786.html
>  =====
>
>  read something about linux / windows
>  http://www.suse.de/de/news/hotnews/MS.html
```
