
Subject: sec : U Re: problem with checkbox in cw_form
Posted by [Andrew Cool](#) on Tue, 29 Apr 2003 03:56:42 GMT
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Sergey Koposov wrote:

>
> Hello!
> Because, this widget is used in very complicated program, and it would
> be nice if the values of some parameters entered by user were obtained
> with single cw_form (it is more simple to get the states of fields with
> using cw_form then standart widget construction).
> Moreover, I don't believe that it is impossible to make a single
> checkbox in cw_form. It would be very strange , I think. :)
> Cheers,
> Sergey K
>
> Pavel Romashkin wrote:
>> Why not create the single checkbox in a separate exclusive base, not as
>> part of cw_form?
>>
>> Cheers,
>> Pavel
>>
>> "iċ½xīċ½iċ½iċ½" wrote:
>>
>>> Can somebody tell me how to create only one checkbox in the cw_form. I dont
>>> how to do this, because , by default, if there is only one item in the
>>> initial value field (in the parameters of cw_form) IDL create a simple
>>> button, but no the checkbox.
>>> Thanks,
>>> Sergey Koposov

Sergey,

CW_FORM is available as a .PRO file in your IDL disribution,
e.g. look for C:\RSI\IDL56\LIB\CW_FORM.PRO.

CW_FORM.PRO is hardwired to produce single "standard" button if
you only supply 1 value.

But there's no reason why you can't take a copy of RSI's CW_FORM.PRO
and put it into your own IDL path, preferably sensibly renamed.

Below I've take a brute force approach and just copied the code for
multiple buttons into the area for a singel button. It works nicely,
producing a single checked button.

You might wish to make a more sensitive amendment to the code ;-)

Cheers,

Andrew

```
'BUTTON': BEGIN
  CW_FORM_APPEND, extra, e, 'LABEL_LEFT', /USE_VALUE
  CW_FORM_APPEND, extra, e, 'LABEL_TOP', /USE_VALUE
  exclusive = CW_FORM_PARSE(e, 'EXCLUSIVE')
  no_release = CW_FORM_PARSE(e, 'NO_RELEASE')
  values = strtok(a[2], '|', /EXTRACT, ESC='\')

  if n_elements(values) ge 2 then begin
    type = 0
    if CW_FORM_PARSE(e, 'SET_VALUE', temp) then begin
      result = execute('sval=fix('+temp+')')
      new = CW_BGROUPE(parent, strtok(a[2], '|', /EXTRACT), $
        EXCLUSIVE = exclusive, NONEXCLUSIVE = 1-exclusive, $
        FRAME=frame, NO_RELEASE = no_release, $
        SET_VALUE = sval, _EXTRA=extra)
    endif else begin
      new = CW_BGROUPE(parent, strtok(a[2], '|', /EXTRACT), $
        EXCLUSIVE = exclusive, NONEXCLUSIVE = 1-exclusive, $
        FRAME=frame, NO_RELEASE = no_release, _EXTRA=extra)
    endelse
    WIDGET_CONTROL, new, GET_VALUE=value
  endif else begin
;A.D. Cool Comment out original RSI code for 1 button value
    ; type = 2
    ;new = WIDGET_BUTTON(parent, value=values[0], FRAME=frame,
    _EXTRA=extra)
    ;value = 0L

;A.D. Cool Insert a copy of RSI code for 2 or more button values
```

```
    type = 0
    if CW_FORM_PARSE(e, 'SET_VALUE', temp) then begin
      result = execute('sval=fix('+temp+')')
      new = CW_BGROUPE(parent, strtok(a[2], '|', /EXTRACT), $
        EXCLUSIVE = exclusive, NONEXCLUSIVE = 1-exclusive, $
        FRAME=frame, NO_RELEASE = no_release, $
        SET_VALUE = sval, _EXTRA=extra)
    endif else begin
      new = CW_BGROUPE(parent, strtok(a[2], '|', /EXTRACT), $
        EXCLUSIVE = exclusive, NONEXCLUSIVE = 1-exclusive, $
        FRAME=frame, NO_RELEASE = no_release, _EXTRA=extra)
```

```
endelse  
WIDGET_CONTROL, new, GET_VALUE=value  
  
endelse
```

Andrew D. Cool
Electromagnetics & Propagation Group
Intelligence, Surveillance & Reconnaissance Division
Defence Science & Technology Organisation
PO Box 1500, Edinburgh
South Australia 5111

Phone : 061 8 8259 5740 Fax : 061 8 8259 6673
Email : andrew.cool@no-spam.dsto.defence.gov.au
