
Subject: Re: widget_control from call_external
Posted by [dominic](#) on Mon, 05 Mar 2001 07:54:24 GMT
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davidf@dfanning.com (David Fanning) writes:

> Well, this will be difficult unless you can call your
> C program in "chunks", or in some other way interrupt
> it. It might be easier if you just know, in general,
> how long it takes. Then you can set a "kitchen timer"
> sort of progress indicator. As long as the cake is
> baked by the time the timer goes off, no one seems
> to care. :-)

That sounds like a great idea.

I tried to implement that, but the timer stops ticking!

Seems like xmanager doesn't accept events until the
call_external returns... There's a t_test.pro for illustration.

Oh yes, the other thing I tried is to fire up a status line
from within the C-code with IDL_ExecuteStr(). Works just fine
EXCEPT for the annoying messages:

% Temporary variables are still checked out - cleaning up...
for every IDL_ExecuteStr().

Did I miss something?

pro t_test_event, ev

```
widget_control, ev.id, get_uvalue=uval  
widget_control, ev.top, get_uvalue=struct
```

```
stat = struct.status  
curr = struct.current  
evno = struct.t_evno
```

```
case uval of
```

```
'Done' : widget_control, ev.top, /destroy
```

```
'Run' : begin
```

```
    widget_control, stat, timer=1
```

```
    JUNK = call_external('t_test.so', 't_test', curr, /unload)
```

```
end
```

```
'Timer' : begin
```

```
    evno = evno + 1
```

```
    print, 'Timer event no ', evno
```

```
    widget_control, stat, timer=1
```

```
    widget_control, ev.top, $
```

```
        set_uvalue={status:stat, current:curr, t_evno:evno}
```

```

        end

    else : begin ; should never happen
        widget_control, ev.id, get_value=val
        print,'unknown event with value ',val
        widget_control, ev.top, /destroy
    end
end

end

pro t_test

    old    = 0L
    current = 0L
    t_evno  = 0
    a = widget_base(/col)
    b = widget_button(a,value='Run',uval='Run',/frame)
    status = widget_label(a,value= $
        string(format='(A8,I3,1x,A1)','Status: ',0,'%'),uvalue='Timer')

    c= widget_button(a,value='Done',uval='Done',/frame)

    widget_control, a, /realize

    widget_control,status,timer=1

    widget_control, a, $
        set_uvalue={status:status, current:current, t_evno:t_evno}

    xmanager, 't_test',a

end

```

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