
Subject: Button Events question

Posted by [jeff.patrick](#) on Tue, 14 Sep 2004 21:44:31 GMT

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I have a program that uses a number of radio buttons to get numeric data. I don't need the buttons to respond to any events, but every time I click on them an event error is generated in the IDL 5.3 programming environment. The event basically says that it could not find the event handler. Everything works fine I just find these event error annoying. Is there something I can set in the following line that will suppress these errors or prevent the button group from generating an event?

```
widFileType = CW_BGROUPE(widSetupDataTLB, ['Delta', 'dB'], UNAME =  
'widMapView', LABEL_LEFT = 'Input File Type :', /NO_RELEASE,  
/EXCLUSIVE, /ROW )
```

Thanks in advance,

Jeff

Subject: Re: Button Events question

Posted by [Benjamin Hornberger](#) on Wed, 15 Sep 2004 17:45:02 GMT

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I had the same annoying problem. A solution is to set the event handler for `cw_bgroupe` (`event_func='widFileType_event'`) and to write a function

```
FUNCTION widFileType_event, event
```

```
    return, 0
```

```
END
```

`cw_bgroupe` will always create events, that's the way it is written. The reason why the above works is that if you specify an event **function** (as opposed to an event procedure), IDL will call that function and inspect the return value. If the return value is a valid event structure (a structure with the fields `ID`, `TOP` and `HANDLER`), it will take that return value and move up the widget hierarchy until it finds another event handler, to which it passes that structure. If the return value is not a valid event structure (like above, where we return zero), it is discarded and no further events are generated.

This mechanism gets important when you want to write compound widgets for which you want to allow their own event procedures or functions. For further details, read "Widget Event Processing" in the IDL help.

Good luck,
Benjamin

Jeff Patrick wrote:

```
> I have a program that uses a number or radio buttons to get numeric
> data. I don't need the buttons to respond to any events, but every
> time I click on them an event error is generated in the IDL 5.3
> programming environment. The event basically says that it could not
> find the event handler. Everything works fine I just find these event
> error annoying. Is there something I can set in the following line
> that will suppress these errors or prevent the button group from
> generating an event?
>
> widFileType = CW_BGROUP(widSetupDataTLB, ['Delta', 'dB'], UNAME =
> 'widMapView', LABEL_LEFT = 'Input File Type :', /NO_RELEASE,
> /EXCLUSIVE, /ROW )
>
> Thanks in advance,
>
> Jeff
```

Subject: Re: Button Events question

Posted by [Benjamin Hornberger](#) on Wed, 15 Sep 2004 17:55:20 GMT

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By the way, if you had any other event handler above your cw_bgroup in the widget hierarchy (and you didn't specify event_func), your cw_bgroup events would be caught by that event handler. You could then use event.id, or the user value, or something else, to identify that the event comes from the cw_bgroup and just do nothing. That would also suppress the error message.

Benjamin Hornberger wrote:

```
> I had the same annoying problem. A solution is to set the event handler
> for cw_bgroup (event_func='widFileType_event') and to write a function
>
> FUNCTION widFileType_event, event
>
>   return, 0
>
> END
>
```

> cw_bgroup will always create events, that's the way it is written. The
> reason why the above works is that if you specify an event *function*
> (as opposed to an event procedure), IDL will call that function and
> inspect the return value. If the return value is a valid event structure
> (a structure with the fields ID, TOP and HANDLER), it will take that
> return value and move up the widget hierarchy until it finds another
> event handler, to which it passes that structure. If the return value is
> not a valid event structure (like above, where we return zero), it is
> discarded and no further events are generated.
>
> This mechanism gets important when you want to write compound widgets
> for which you want to allow their own event procedures or functions. For
> further details, read "Widget Event Processing" in the IDL help.
>
> Good luck,
> Benjamin
>
>
>
> Jeff Patrick wrote:
>
>> I have a program that uses a number of radio buttons to get numeric
>> data. I don't need the buttons to respond to any events, but every
>> time I click on them an event error is generated in the IDL 5.3
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>> /EXCLUSIVE, /ROW)
>>
>> Thanks in advance,
>>
>> Jeff
