Subject: Idl pointers/widget events
Posted by dhamilton on Thu, 13 Aug 1998 07:00:00 GMT

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I am having a pointer problem. I use a pointer to maintain information from a widget event handler (as per David Fanning). However, despite the fact that the "info" structure which contains the pointer is passed successfully into the container with "set_uvalue", the pointer itself becomes invalid. Is there some problem with IDL for VMS or am I just doing something wrong?

ptr = ptr_new({thing:thing, junk:junk})
info = {stuff:stuff, ptr:ptr}
widget_control, tlb, set_uvalue=info, /no_copy
xmanager, "config", tlb, /no_block

...

(now, in my event_handler "config_event":)

widget_control, event.top, get_uvalue=info, /no_copy

(at this point, "info" is a completely valid structure, and I can examine "info.stuff" to my heart's content. However, an attempt to reference "(*info.ptr)" results in crashing my program and an invalid pointer message.)

I have also noticed some inconsistency with this problem between regular IDL and IDL/DE, which seems impossible. However, sometimes my code works in the development environment, but not in the regular command line. ?

Thanks for your time and help
Damian Hamilton, SLAC