
Subject: Re: another call_external newbie
Posted by [hdsfkj](#) on Sun, 22 Mar 1998 08:00:00 GMT
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That was it all right..... Thank you.

David Fanning wrote:

> Donald Green (dfg@ai.mit.edu) writes:
>
>> Hi, I'm a c programmer trying to implement some IDL for device control.
>> I need help debugging a short IDL program that uses call_external to
>> access routines in a
>> dll written in C using VC++5.0 and IDL 5.0. Both code snippets appear
>> below. The problem seems to be
>> accessing data passed by reference. The Message statement returns
>> garbage but if I check
>> the value of 'board' in IDL after the call_external is executed it's
>> value is indeed 1. Why can I change
>> the value properly but not access it's value in the C routine? Thanks
>> for any help....
>
> The most common reason Call_External fails is that the
> C program expects 4 byte integers and it gets passed 2
> byte integers. I suspect that is what is going on here.
>
> Try setting the "board" variable to 34L and see if you
> don't have better luck. Remember, default IDL integer
> variables are SHORT integers in other programming
> languages.
>
> Cheers,
>
> David
> -----
> David Fanning, Ph.D.
> Fanning Software Consulting
> E-Mail: davidf@dfanning.com
> Phone: 970-221-0438
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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Posted by [davidf](#) on Sun, 22 Mar 1998 08:00:00 GMT
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Subject: Re: another call_external newbie
Posted by [Reinhold Schaaf](#) on Mon, 23 Mar 1998 08:00:00 GMT
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<HTML>

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<TT></TT>

<P><TT>I am also developing programs with VC++50 and IDL and found the
following feature of VC++ helpfull:</TT><TT></TT>

<P><TT>Under VC++, select Projects..projects settings..Debug. Specify idlde.exe
(with full path) as "executable for debug session" (and also a working
directory if necessary). With these settings, running the debugger of VC++
starts a IDL session, allowing you to load, edit, compile, and run your
IDL program. Setting (IDL-) breakpoints outside and (VC++) breakpoints
inside your dll gives you a good tool for debugging your IDL-VC++ interface.</TT><TT></TT>

<P><TT>Servus,</TT><TT></TT>

<P><TT>Reinhold</TT>

<TT></TT> <TT></TT>

<P><TT>--</TT>

<TT> ***** * </TT>

<TT> Reinhold Schaaf</TT>

<TT> Ettighofferstr. 22</TT>

<TT> 53123 Bonn</TT>

<TT> Germany</TT><TT></TT>

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<TT> Email: schaaf@astro.uni-bonn.de</TT>

<TT> ***** * </TT>

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