Subject: Re: Help! pointer address return using idl_tools DLM (EXTPROC_DEFINE)
Posted by mw vogel on Fri, 12 Mar 2004 11:15:48 GMT
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anand wrote:

> Hi
>
> I'm a newbie to Idl. I downloaded the idl_tools DLM library from Ronn
> Kling's website http://www.rlkling.com. I"m trying to access from idl
> the address of a float pointer returned by a function in C++.
> In my C++ program I have:
>
> float* cppfunc(int); //not part of any class
>
> I get the output of the C++ program as sample.dll file using visual
> studio 6.0
>
> In Idl I correspondingly use the call:
>
> addr = EXTPROC_DEFINE("idlfunc", "sample.dll", "cppfunc",
> "p(i)",/CDECL)
> ;to get the address of the pointer since the documentation says " If
> ;the return value is a pointer, the
> ;memory address returned by the function will be placed in
> ;an IDL unsigned long and returned to the IDL application."
>

Ok, my 2 cents :

This _DEFINE call only sets up an internal IDL command that connects to
your function in your DLL. To get valid output, you should actually use
the call. Probably something along the lines of p = idlfunc(0) . Then
use the DEREF to get the values from p.