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Subject: Re: Problem addressing arrays from C routines running OSF

Posted by [thompson](#) on Thu, 01 Feb 1996 08:00:00 GMT

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Stubbe Faurschou Hviid <stubbe@fys.ku.dk> writes:

(stuff deleted)

> This method of addressing an array works under Solaris, SGI Irix  
> and Windows  
> but not under OSF/1 on a DEC alpha workstation.

> I think that the problem is that IDL tries to send a 32 bit  
> pointer, and the  
> C program expects a 64 bit pointer ( a good way to create chaos  
> :-) )

I have successfully used CALL\_EXTERNAL to C programs with IDL 3.6 under OSF/1.  
I don't know enough about C programming to tell you why your program didn't  
work, but you can find some examples in

<http://sohowww.nascom.nasa.gov/softops/cds/external/>

(You can also ftp to [sohoftp.nascom.nasa.gov](ftp://sohoftp.nascom.nasa.gov) and look in the directory  
/softops/cds/external.)

Maybe the problem is in the way you compile the routine. You'll notice that I  
have different Makefiles for OSF and SunOS.

Bill Thompson

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