
Subject: Re: Problem addressing arrays from C routines running OSF
Posted by [Tim Patterson](#) on Wed, 31 Jan 1996 08:00:00 GMT
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What problem do you get? Wrong values returned? Code crashes?
An example of where it goes wrong would be useful.

Tim

Subject: Re: Problem addressing arrays from C routines running OSF
Posted by [rivers](#) on Wed, 31 Jan 1996 08:00:00 GMT
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In article <310E41A5.547F@fys.ku.dk>, Stubbe Faurschou Hviid <stubbe@fys.ku.dk>
writes:

> I am writing a program which have to access some routines written
> in C.
> ...
>
> 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
> :-))
>
> Any suggestions on how to solve this problem?

I have been using external C routines on OSF/1 (a.k.a. Digital Unix) from IDL
with no problem. These routines access arrays in the same way you describe.
These same C routines also work fine with IDL under Solaris
and Irix. I don't seem to have any problem.

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