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Subject: Re: Keyword DLM crashes with IDL 5.2?

Posted by [Randall Skelton](#) on Mon, 30 Apr 2001 16:57:48 GMT

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I think I have figured out the answer to my own question...

replace: IDL\_KWGetParams(argc,inargv,argv,kw\_err,NULL,1)

with: IDL\_KWGetParams(argc,inargv,argv,kw\_err,argv,1)

^^^^

or any other valid IDL\_VPTR pointer array.

From the EDG...

Plain\_args is defined as an array of IDL\_VPTR into which the IDL\_VPTRs of the positional arguments will be copied. This array must have enough elements to hold the maximum possible number of positional arguments as defined in IDL\_SYSFUN\_DEF2...

Reading the above suggests I need a finite array dimension as I am expecting to pass 2 plain arguments. The root of my problem was in the EDG Example code they pass a NULL and I assumed I should do the same. It is somewhat surprising that it worked in IDL 5.3 and I didn't notice any bizarre behavior...

Cheers,  
Randall

On Mon, 30 Apr 2001, Randall Skelton wrote:

> Date: Mon, 30 Apr 2001 17:29:21 +0100  
> From: Randall Skelton <rhskelto@atm.ox.ac.uk>  
> Newsgroups: comp.lang.idl-pvwave  
> Subject: Keyword DLM crashes with IDL 5.2?  
>  
> Hi all,  
>  
> I am trying to port a DLM that works in IDL 5.4/5.3 to work with IDL 5.2.  
> As a demonstration of my problem I have modified the file testmodule.c to  
> include a simple procedure called 'testr' that takes a keyword and  
> distributed it below. It compiles under unix with:  
>  
> gcc -Wall -Wimplicit -fpic -shared -I/usr/local/PACK/idl-5.3/external  
> testmodule.c -o testmodule.so  
>  
> Execution in IDL is:  
>  
> IDL> testr, 1, a, ERROR=b  
> % Loaded DLM: TESTMODULE.

> IDL> print, a, b  
>       10       0  
>  
> This routine compiles and works just fine under IDL 5.3, but it seg-faults  
> during execution with IDL 5.2. Without the keywords, the procedure works  
> fine, and I can trace the fault to calling 'IDL\_KWGetParams' in IDL 5.2.  
> I've read the relevant sections of the EDG at least twice over and after  
> an afternoon of fiddling, I cannot find the bug. Any and all help is  
> greatly appreciated!  
>  
> Randall  
>

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