
Subject: Re: Array has a corrupted descriptor
Posted by [R.Bauer](#) on Mon, 21 May 2001 14:58:04 GMT
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William Thompson wrote:

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>
> Reimar Bauer <r.bauer@fz-juelich.de> writes:
>
>> Hi,
>
>> I got an error sometimes in one of my routines only on AIX.
>
>> -- IDL> help,!version,/str
>> ** Structure !VERSION, 7 tags, length=44:
>> ARCH      STRING  'ibmr2'
>> OS        STRING  'AIX'
>> OS_FAMILY  STRING  'unix'
>> RELEASE    STRING  '5.4.1'
>> BUILD_DATE STRING  'Jan 16 2001'
>> MEMORY_BITS INT      32
>> FILE_OFFSET_BITS
>>           INT      =   32
>
>> The same routine works on linux and windows.
>
>> The error text is:
>> % Array has a corrupted descriptor: VAR
>
>> the calling sequence is something like this
>
>> var=function(x)
>
>> First I like to know what's this error is meaning.
>
>> It seems to me that's the RETURN statement won't work.
>
>> The result value of my function is good.
>
>> If it reaches the calling level of the function I got
>> this error.
>
> I suspect that the function is calling external code via something like
> CALL_EXTERNAL or LINKIMAGE. I've gotten error messages like that in the past
> when mixing IDL with external code.
```

In some of the functions is EXECUTE used (it's not easy to change them to
call_function at them moement). CALL_EXTERNAL or LINKIMAGE isn't used.

Do you believe EXECUTE will be give this error too ?

>
> The descriptor is the thing which describes a variable in IDL. It contains the
> datatype, array dimensions, and the physical location of the data in memory.
> When you pass around variables in IDL, you're really passing around the
> descriptors.
>
> William Thompson

--
Reimar Bauer

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a IDL library at Forschungszentrum Juelich
[http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml](http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html)

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

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read something about linux / windows
<http://www.suse.de/de/news/hotnews/MS.html>
