
Subject: Re: Array has a corrupted descriptor
Posted by [R.Bauer](#) on Mon, 04 Jun 2001 17:34:28 GMT
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Reimar Bauer wrote:

>
> Stein Vidar Hagfors Haugan wrote:
>>
>> Reimar Bauer <r.bauer@fz-juelich.de> writes:
>>
>>> William Thompson wrote:
>>>>
>>>> Reimar Bauer <r.bauer@fz-juelich.de> writes:
>> [...]
>>>> >The error text is:
>>>> >% Array has a corrupted descriptor: VAR
>> [...]
>>
>>>> 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 ?
>>
>> I seem to remember that there was a bug in HISTOGRAM that could
>> occasionally give such error messages.. Don't remember which IDL
>> version (nor in what version the problem was fixed).
>>
>> Are you able to pin down a repeatable case that will trigger the
>> error?
>
> I hope I am able to build a smaller example, the one I have at the
> moment
> uses a lot of routines.
>
>> Does your routine call other routines that have
>> call_external/linkimage/dlm code?
>
> If it's possible to exclude dlms by storing only data to sav files
> I have excluded already the ncdf dlm.
>
> I am not able to remove the execute on the third or fourth level
> routines at the moment. This is planned.

```
>
> regards
>
> Reimar
>
>>
>> --
```

Ok, I have a solution for my problem but it sounds a bit stupid.

The original code was:

```
.
.
.

temp = CREATE_STRUCT(temp, 'FLAG', "")
temp = CREATE_STRUCT(temp, temp.prog_params)
temp = delete_tag(temp $
                  , ['TIME','CALLING_SEQUENCE','INFO_STRUCT', 'PROG_PARAMS',
'MISSING_VALUE'])
```

```
.
.
.
```

ERROR: ARRAY HAS A CORRUPTED DESCRIPTOR

CHANGED TO:

```
.
.
.
prog_params=temp.prog_params

temp = delete_tag(temp $
                  , ['TIME','CALLING_SEQUENCE','INFO_STRUCT', 'PROG_PARAMS',
'MISSING_VALUE'])
```

```
temp = CREATE_STRUCT(temp, 'FLAG', "")
temp = CREATE_STRUCT(temp, prog_params)
```

```
.
.
.
```

I have tried to separate the failure into a small routine without

success. All smaller routines
based on data stored to sav files are good. In one of the child routines
is execute used so I believe
this is making trouble on AIX.

The same program runs good on Linux and Win NT.

Reimar

--

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<http://www.fz-juelich.de/icg/icg1/>

=====

a IDL library at Forschungszentrum Juelich

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>