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Subject: Re: nested structures in dlm  
Posted by [lbusoni](#) on Wed, 17 Jan 2007 14:20:46 GMT  
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Karl,  
thanks for the reply.

Sometimes it works fine for me too.  
Could you please try again increasing `n_of_objects` in order to  
maximize the probability of failure??  
(with `n_of_objects=250` I got a 10/10 of failures)

When it works fine, then it works fine forever in the current idl  
session.  
But if I stop and rerun IDL, the bad behaviour can pop up again (sorry  
to be so generic, but I can't find a completely deterministic behaviour  
in this bug).

I tried to compile both with C and C++ compiler (on Linux). gcc is  
4.1.2, idl is 6.2.

```
lbusoni$ gcc -Wall -shared -o tests.so wrapper_prova.cpp
-l/usr/local/rsi/idl/external/include -lstdc++
lbusoni$ gcc -v
Using built-in specs.
Target: i486-linux-gnu
Configured with: ../src/configure -v
--enable-languages=c,c++,fortran,objc,obj-c++,treelang --prefix=/usr
--enable-shared --with-system-zlib --libexecdir=/usr/lib
--without-included-gettext --enable-threads=posix --enable-nls
--program-suffix=-4.1 --enable-__cxa_atexit --enable-clocale=gnu
--enable-libstdcxx-debug --enable-mpfr --enable-checking=release
i486-linux-gnu
Thread model: posix
gcc version 4.1.2 20060928 (prerelease) (Ubuntu 4.1.1-13ubuntu5)
lbusoni$ idl
IDL Version 6.2 (linux x86 m32). (c) 2005, Research Systems, Inc.
```

Lorenzo

Karl Schultz wrote:  
> On Fri, 12 Jan 2007 04:55:50 -0800, lbusoni wrote:  
>  
>> HI Guru's of DLMs,  
>>  
>

> snip  
>  
>> It seems that me and IDL\_MakeStruct got confused  
>> Any idea of what's happening? My code is completely crazy?  
>> Thanks  
>> Lorenzo  
>  
> I compiled your code and it seemed to work fine for me.  
>  
> \*\* Structure FOO, 5 tags, length=400, data length=400:  
> V000       STRUCT   -> V000 Array[1]  
> V001       STRUCT   -> V001 Array[1]  
> V002       STRUCT   -> V002 Array[1]  
> V003       STRUCT   -> V003 Array[1]  
> V004       STRUCT   -> V004 Array[1]  
>  
> I did this on Windows with the C compiler, not C++. So I had to rearrange  
> some variable declarations, but nothing that would change anything. I  
> also did not supply idl\_free\_cb to IDL\_ImportArray just because I was  
> lazy, but that should not be the problem either.  
>  
> So, I don't know what's wrong - it should work.  
>  
> Karl

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