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Subject: Re: Calling C++ from IDL

Posted by [Martin Downing](#) on Fri, 16 Nov 2001 14:35:51 GMT

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Hi Jauan,

If Nigel's advice doesn't solve your problem then it may be down to a bug in the CC compiler.

Many moons ago I reported a bug to Sun where template methods were not being instantiated when building as a library. The fault was not corrected in the next few upgrades of solaris, but we are talking 5 years ago now! Note this had nothing to do with IDL, and if this is the fault you will not be able to build C++ executables linked to the template libraries either. If this is the case then maybe they never corrected it, I could dust off the workaround I came up with.

good luck

Martin

"Nigel Wade" <nmw@ion.le.ac.uk> wrote in message

news:9t2m3j\$9oev\$1@rook.le.ac.uk...

> Juan I. Cicuendez wrote:

>

>> Hi,

>>

>> I am writing you all to see if you could help me because I am

>> trying to call C++ code from IDL (I am working in Sun solaris). We

>> compile the C++ with CC with extern "C" and produced the .so and when

>> we

>> use call\_external in IDL, it does not find the C++ template library

>> which were used in my C++ classes. Is any way to tell IDL where to

>> look for this library, or can this be done with make\_dll (I don't know

>> the compilation options). Could you help me somehow, maybe there are

>> other ways, I am a bit desperate. Anyone know the compilation options

>> if you want to compile with gcc.

>>

>> The compilation options I used were:

>> CC -c -xarch=v9 otra.c

>> CC -G -xarch=v9 otra.o -o libotra.so

>>

>> from IDL we do:

>> S=call\_external('libotra.so','mas')

>>

>>

>> Thanks a lot,

>>

>> Juan Cicuendez

>  
> If the library is one of your own then you need to specifically link  
> against it by adding it to the DSO creation command (CC -G -lyour\_lib).  
>  
> Secondly, so that IDL will know where to look for it (if it's not on the  
> standard search path) you either need to set the LD\_LIBRARY\_PATH env  
> variable to the directory where the library is, or add a "runpath" to the  
> link command with -R option.  
>  
> --  
> -----  
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