Subject: Re: Calling C++ from IDL
Posted by jicicuendez on Mon, 19 Nov 2001 09:05:11 GMT
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"Martin Downing" <martin.downing@ntlworld.com> wrote in message
news:<RUyJ7.2819$tm3.380540@news11-gui.server.ntli.net>...
> Hi Jauan,
>
> If Nigel's advice doesnt 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...
Hi,

I tried Nigel's solution but it does not seem to work. For a very
simple class that just prints out stuff with cout, idl says that can't
find the cout. When creating the library I added -l with the c++
standard library, I also tried with the -R option giving all the path
where the c++ compiler libraries are and it didn't work either. I
would appreciate if you could dust off your work around. Even just how
to do it with a very simple cout. By the way, I had used the extern
"C" in my class.

Many thanks
Juan

>> 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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