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Subject: Re: Calling C++ from IDL

Posted by [Nigel Wade](#) on Fri, 16 Nov 2001 09:26:11 GMT

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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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