Subject: Re: Using C++ DLM's With IDL? Posted by Nigel Wade on Wed, 01 Aug 2001 08:44:29 GMT

View Forum Message <> Reply to Message

K. Banerjee wrote:

```
> Nigel Wade <nmw@ion.le.ac.uk> wrote:
>> K. Banerjee wrote:
>>
>>> I need to call some outside code from IDL. I created a
>>> shared object file, using a C++ compiler (g++). When I call
>>> a function from the DLM from the IDL command prompt, I get
>>> the error:
>>>
>>> Symbol not found: cerr
>>>
>>> (There are other symbols not found.)
>>>
>>> Is it possible to use C++ shared objects for DLM's?
>>> (I have to use some classes for my routine.)
>>>
>>> Thanks.
>>>
>>> K. Banerjee
>>>
>>>
>>>
>> You don't say what platform you are using, but I'll hazzard a guess that
>> it's Linux.
>>
>> Did you use g++ to link the DLM? It's generally a wise thing to use the
>> same tool to create a shared object as you use to compile the source.
>>
>
>> You could try linking the DLM with g++, or adding the the relevent c++
>> library to the link command - cerr is in one of the libraries called
>> /usr/lib/libstdc++..., the particular one depends on what version of g++
>> and libc you are using.
>>
>
> Yes, I am using g++ on Linux. Do you know off hand how to link
  with a shared object library? (libstdc++... is a shared object).
  Thanks.
```

```
> K. Banerjee
```

-l-llibrary_name>, in this case library_name> is stdc++<whatever>. I don't know which stdc++ library you'll need; I have 5 in my /usr/lib and I haven't a clue what each is for.

a shared object is just a library as far as the linker is concerned.

If you use g++ I would have thought that g++ would add the correct library to the link command for you, though. Is there a reason you prefer to use ld rather than g++?

If you really want to use Id, try using g++ first with the -v option so it lists each command it executes. That should show you which libraries it uses for the ld command.

Nigel Wade, System Administrator, Space Plasma Physics Group,

University of Leicester, Leicester, LE1 7RH, UK

E-mail: nmw@ion.le.ac.uk

+44 (0)116 2523568, Fax: +44 (0)116 2523555 Phone: