Subject: Re: gcc and idl
Posted by jbob on Thu, 07 Nov 1996 08:00:00 GMT
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In article <327FFE1A.446B9B3D@gojira.berkeley.edu> Karl Young <karl@gojira.berkeley.edu> writes:

> I am trying to call a C++ routine that I want to compile with
> gcc on a Sparc running SunOS 4.1.3 and call from IDL with
> CALL_EXTERNAL. The flags used for the compile and link calls given in
> the IDL manual examples for the SunOS cc compiler are very different
> from the ones I need to use with gcc so I'm apparently not building the
> right kind of shared object file (i.e. I'm getting messages like:
> ld.so: Undefined symbol: ___11spin_systemi)
>
> Has anyone done this sucessfully (i.e. used IDL with gcc) and if
> so any suggestions, e.g. what flags to use for the compile and
> link steps ? Thanks for any tips,

I had a similar problem with a slightly more difficult example -- using
a C++ routine with CALL_EXTERNAL from IDL where the C++ routine was a
wrapper for a FORTRAN routine. I found that I could only get it to work
by using the Sun linker.

The following Makefile section worked successfully on SunOS 4.1.2 with
its bundled "ld", gcc 2.6.3 and Sun SPARCompiler Fortran 2.0.1:

```
### NOTE: No "LD" define -- the default Sun linker is "/bin/ld".
CXX      = g++
CXXFLAGS = -fpic
FFLAGS   = -pic
LDFLAGS  = -L/usr/lang/SC2.0.1
LDLIBS   = -lF77 -lM77 -lpfc -lm

xxx.so: xxx.o ....
 $(LD) -o xxx xxx.o ....
```

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"Of course that's just my opinion. I could be wrong."
-Dennis Miller
