
Subject: Re: Problems compiling shared libraries
Posted by [Haje Korth](#) on Thu, 02 Mar 2006 18:20:50 GMT
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John,
try specifying the full path to the .so library. If you still get the error,
there might be another .so library referenced in your code that cannot be
found.

Haje

<johnpeterkelly@gmail.com> wrote in message
news:1141314955.878153.85280@e56g2000cwe.googlegroups.com...
> I'm having a consistent problem compiling shared libraries for use with
> the call_external() command. I've tried using the make_dll function as
> well as compiling the code manually with cc or gcc. Here's what I do:
>
> in idl:
> make_dll, 'tester', 'simple_return'
>
> Where tester.c is the name of my file, and simple_return is the name of
> a function that just returns a number.
>
> or at the command prompt:
> cc -c -fPIC tester.c
> cc -shared tester.o -o tester.so
>
> When I try in IDL:
> x = call_external('tester.so', 'simple_return')
>
> I get:
> % CALL_EXTERNAL: Error loading sharable executable.
> Symbol: simple_return, File = tester.so
> tester.so: cannot open shared object file: No such
> file or directory
>
> It would seem IDL can't find the .so file. What really confuses me is
> that I have another library file that I downloaded to run some LAPACK
> routines on older version of IDL (note: not compiled on my computer)
> which is sitting the same directory as tester.so. When I run:
>
> x = call_external('libidl.so', 'c_eigen_all', matrix, 3l, e_vec, e_val)
>
> It works fine. This leads me to the conclusion that it's not that it
> can't find the file, but rather it doesn't recognize it as a library.
> If it helps, I'm running IDL 6.2 and my machine has a 64 bit processor
> (this has led to some completely different problems, but it might be

> relevant).
>
> Thanks in advance for your help.
>
> --John
>
