
Subject: CALL_EXTERNAL ERROR

Posted by [guenhwyvar](#) on Tue, 15 Jan 2002 16:11:20 GMT

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Hello,

I've tried to run some C code under IDL, using CALL_EXTERNAL function.
Following the instructions of idl manual I've built my shared library:

```
cc -I my-idl-path/external -c -Kpic mylib.c
cc -G -o mylib.so mylib.c
```

When I've tried to run my code I get some strange errors:

```
IDL> temp = call_external('mylib.so', 'myfunc')
% CALL_EXTERNAL: Error loading sharable executable.
      Symbol: myfunc, File = mylib.so
      ld.so.1:
/opt/rsi/idl_5.4/bin/bin.solaris2.sparc64/idl:
      fatal: /export/home/users/belletti/lib/mylib.so:
wrong
      ELF class: ELFCLASS32
% Execution halted at: $MAIN$
```

I've decided to make my library with gcc:

```
gcc -I my-idl-path/external -c -f PIC mylib.c
gcc -shared -o mylib.so mylib.c
```

with the same bad results.

I run idl 5.4 on a Sun Ultra450 machine with Solaris 2.7.

The same procedure on a Pentium III machine with Mandrake Linux 8.1
and idl 5.5 works perfectly.

There's a problem in the library-making process or this is an idl
limit?

I wasn't able to find any information on idl documentation and over
the Net.

Maybe I should try to force the construction of a "simple" ELF binary?

Thanks,

Francesco Belletti
