
Subject: Re: CALL_EXTERNAL ERROR

Posted by [Mark Rivers](#) on Wed, 16 Jan 2002 03:52:28 GMT

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Francesco Belletti <guenhwyvar@libero.it> wrote in message
news:e7b4ed30.0201150811.38bb0e0@posting.google.com...

```
> 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: $MAIN$
```

A colleague of mine had the same problem last week. I think the problem is that IDL 5.5 has two versions for Solaris, a 32-bit version and a 64-bit version. I think you are running the wrong version for the .so file you have created. Try executing

```
> idl -32
```

to run the 32-bit version and see if that works.

Mark Rivers
