
Subject: CALL_EXTERNAL in Linux Fedore Core2???

Posted by [umesh](#) on Wed, 08 Sep 2004 01:57:34 GMT

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Hi!

I am trying to call a simple C program (test.c) from a IDL program using CALL_EXTERNAL. The C program is,

```
#include <stdio.h>

#include <math.h>

#include "/usr/local/rsi/idl_6.0/external/include/idl_export.h "

float Scale;
int test(int argc, char *argv[])

{

    Scale = *(float *) argv[0];

    Scale = pow(Scale, 5);

    return(1);

}
```

IDL program is

PRO test

```
sc = 5.0
xx=CALL_EXTERNAL('/home/upadiga/work/IDLwork/test', $
    '/home/upadiga/work/IDLwork/test', $
    sc)

print, sc
end
```

In directory /home/upadiga/work/IDLwork/test

I have followed following compilation and linking procedures!!

```
> gcc -c -fPIC test.c
> ld -shared -o test.so test.o
```

Then in the IDL command line,

```
IDL>.r test
```

```
IDL>test
```

I get the following error message.

```
% CALL_EXTERNAL: Error loading sharable executable.  
      Symbol: /home/upadiga/work/IDLwork/test, File =  
/home/upadiga/work/IDLwork/test  
      /home/upadiga/work/IDLwork/test: cannot open shared  
object file: No such file or  
      directory  
% Execution halted at: TEST          4  
/home/upadiga/work/IDLwork/test.pro  
%          $MAIN$
```

Experts out there, could you please tell me how should I compile and link the shared library!? I am using IDL6.0 on Linux (Fedora Core2 64bit OS).

Thanks a lot

umesh
