
Subject: CALL_EXTERNAL Problems with IDL

Posted by [MajorSetback](#) on Tue, 03 Aug 2004 20:01:32 GMT

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I am using IDL Version 6.0 (linux x86 m32) on Red Hat Linux release 9.

I have been trying to get CALL_EXTERNAL to do *something* for me so I wrote some very simple code, Generic.c, which follows. I also define the functions in Generic.h.

```
-----  
#include <stdio.h>  
#include <stdlib.h>  
#include "Generic.h"
```

```
int Simple()  
{  
    return 16;  
}
```

```
int PowerOf2()  
{  
    int output;  
    output=32;  
    return output;  
}
```

```
-----  
I then compile this code with  
> gcc -c Generic.c -o Generic.o  
and confirm that the functions are there thus.  
> nm Generic.o  
0000000a T PowerOf2  
00000000 T Simple
```

This is what I now get on IDL.

```
IDL> print,call_external('/home/me/Generic.o','Simple',/i_value)  
% CALL_EXTERNAL: Error loading sharable executable.  
      Symbol: Simple, File = /home/me/Generic.o  
      /usr/local/rsi/idl_6.0/bin/bin.linux.x86/libidl.so.6.0:  
      undefined symbol: Simple
```

```
IDL> print,call_external('/home/me/Generic.o','PowerOf2',/i_value )  
0  
IDL> print,call_external('/home/me/Generic.o','PowerOf2',/i_value )  
-7
```

OK. So how is Simple undefined?
And how does it get 0 and then 7 from 32?

Many thanks in advance for any help,
Peter.
