
Subject: Re: Compiling shared libraries for use with call_external on a Mac
Posted by [arkos](#) on Wed, 12 Apr 2000 07:00:00 GMT
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An addition to what I asked below:

I can add a "dummy" main() to the C file, and produce something which appears to be a shared library. However, when I try to use call_external from the IDL side, I get the error:

```
% CALL_EXTERNAL: Error loading sharable executable.  
      Symbol: testing_external, File =  
      Documents:Arkos:SMS:PLOT:test_external_libs  
      symbol was not found  
% Execution halted at: TEST_CALL_EXTERNAL  18  
      Documents:Arkos:SMS:PLOT:test_call_external.pro  
%                               $MAIN$
```

I don't know if I am doing something wrong on the C side in creating the shared library, or on the IDL side in the implementation, so any suggestions would be appreciated.

Thanks again,

-- Greg

For those interested, the code consists of:

**** C****

```
#include <stdio.h>
```

```
int testing_external(int argc, char *argv[]);
```

```
int testing_external(int argc, char *argv[])  
{  
    printf("Test.\n");  
    return(1);  
}
```

```
void main(void)  
{  
}
```

**** IDL ****

PRO test_call_external

MESSAGE, ' begins!', /INFORMATIONAL

a = call_external("test_external_libs", "testing_external", /i_value)

MESSAGE, ' complete!', /INFORMATIONAL

RETURN

END

- > A question for those out there who have used call_external in IDL with
- > (hopefully) C subroutines on the Macintosh.
- >
- > I have an older version of Metrowerks Codewarrior (IDE 1.6.3, CW 9),
- > and have set the Project type to shared library, in the preferences
- > for the project. However, it doesn't seem to want to compile and
- > produce the shared library (it keeps looking for main(), while
- > the C file I'm compiling only contains a collection of subroutines).

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