
Subject: Re: CALL_EXTERNAL PROFESSIONAL HELP
Posted by [Haje Korth](#) on Wed, 05 Apr 2000 07:00:00 GMT
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Bernard,
try an underscore (_) before or after the routine name in the call_external
statement.

Greetings,
Haje

Bernard Puc wrote:

```
> Hello,
>
> I'd appreciate any ideas from you folks on the possible causes of the
> following error message. I'm compiling a shareable object on linux and
> I get the following error message when I try to use it. I've
> successfully compiled other C routines into shareable objects for IDL
> and thought I knew what I was doing. Now I believe it was just luck.
>
> % CALL_EXTERNAL: Error loading sharable executable.
> Symbol: emfit_xy_array, File =
> /home/bpuc/C_code/emfit/betafit.linux.so
> /home/bpuc/C_code/emfit/betafit.linux.so: undefined
> symbol:
> emfit_xy_array
>
> The name of the function in the source code is "int emfit_xy_array(int
> argc, void *argv)"
>
> --
> Bernard Puc          AETC, INC.
> bpuc@va.aetc.com      1225 Jefferson Davis Highway #800
> (703) 413-0500        Arlington, VA 22202
```

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Subject: Re: CALL_EXTERNAL PROFESSIONAL HELP
Posted by [Bernard Puc](#) on Wed, 05 Apr 2000 07:00:00 GMT
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Let me reply to my own message...The problem lies somewhere in the compile. I was able to make things work by changing the source code file extensions from *.cc to *.c. Apparently the c++ compiler was begin used instead of the gcc compiler.

Bernard Puc wrote:

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--

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Subject: Re: CALL_EXTERNAL PROFESSIONAL HELP
Posted by [mikef](#) on Thu, 06 Apr 2000 07:00:00 GMT
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Then the cause was the name mangling that C++ performs on the function.
If you need to use C++, then you must either use the mangled name or
compile the interface function as C and declare it as:

```
extern "C" {
  [type] emfit_xy_array([parameters]);
}
```

In article <38EB4EA1.2ED12D97@va.aetec.com>,
Bernard Puc <bpuc@va.aetec.com> wrote:

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