## 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)"
>
> --
                AETC, INC.
> Bernard Puc
> bpuc@va.aetc.com
                              1225 Jefferson Davis Highway #800
> (703) 413-0500
                           Arlington, VA 22202
Haje Korth
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MS D466
Los Alamos National Laboratory
Los Alamos, NM 87545
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FAX: (505) 665-7395
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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.

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Bernard Puc
                         AETC, INC.
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                            1225 Jefferson Davis Highway #800
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                          Arlington, VA 22202
```

Subject: Re: CALL\_EXTERNAL PROFESSIONAL HELP Posted by mikef on Thu, 06 Apr 2000 07:00:00 GMT View Forum Message <> Reply to Message

```
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 delare it as: extern "C" {
    [type] emfit_xy_array([parameters]);
}
```

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

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```