
Subject: Re: getpid in Mac Os X

Posted by [Miguel Angel Cordoba](#) on Mon, 14 Jun 2004 13:29:08 GMT

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Thank you Mike,
probably this is the problem. Probably I'll create a dlm with then calls to
the getpid() function.

Regards.

Michael Wallace wrote:

```
>> IDL>pid=CALL_EXTERNAL('/usr/lib/libc.dylib','getpid')
>> % CALL_EXTERNAL: Error loading sharable exectuble.
>> Symbol: getpid, FILE=/usr/lib/libc.dylib
>> not a Mach-O MH-BUNDLE file type
>
>
> I am no OS X expert nor a CALL_EXTERNAL expert, but I nevertheless
> have a theory about what's happening. You might want to double-check
> this theory with RSI to make sure that I'm not way off base.
>
> It seems that IDL is looking for a file with the MH_BUNDLE file type
> flag. MH_BUNDLE is typically used by code which is loaded at runtime.
> The file extension on such files is .bundle.
>
> The /usr/lib/libc.dylib has MH_DYLIB as the file type flag. MH_DYLIB
> is meant for dynamic shared libraries. I'm not sure why IDL can't
> load this file at runtime as it can on Linux, but my guess is that the
> library is only "shared" in the linker sense of the term rather than
> the executable sense. Keep in mind this is just a guess -- I don't
> know enough of the internal workings of OS X libraries to say for sure.
>
> Whatever the case, a better solution to the problem would be to create
> a little DLM as an interface into the libc library rather than trying
> to call commands out of the library directly. On OS X, you could
> create a bundle file which calls the getpid() function in libc. IDL
> shouldn't have a problem loading this bundle.
>
> -Mike
```

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Miguel Angel Cordoba

Grup de Recerca Aplicada en Hidrometeorologia (GRAHI-UPC)
<http://www.grahi.upc.es>

Centre membre de la Xarxa d'Innovacio Tecnologica XIT
<http://www.cidem.com/xarxait>
