
Subject: Re: Call external 64bit
Posted by [Foldy Lajos](#) on Mon, 13 Jul 2009 14:56:47 GMT
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On Mon, 13 Jul 2009, Wox wrote:

```
> Hi
>
> Calling a 32bit dll from IDL 64 bit doesn't work (see below). Is this
> normal behaviour?
>
> IDL> print,!version
> { x86_64 Win32 Windows Microsoft Windows 7.1 Apr 21 2009    64 64}
> IDL> print,call_external('test.dll','test',2u,/ALL_VALUE,/I_VALUE )
> % CALL_EXTERNAL: Error loading sharable executable.
>       Symbol: test, File = Test.dll
>       %1 is not a valid Win32 application.
>
>
> Normal behaviour (IDL 32bit):
> IDL> print,!version
> { x86 Win32 Windows Microsoft Windows 7.1 Apr 21 2009    32    64}
> IDL> print,call_external('test.dll','test',2u,/ALL_VALUE,/I_VALUE )
> 10
>
>
> Dll file used: http://xrdua.ua.ac.be/public/Test.dll
```

I think this is normal. You can not mix 32 and 64 bit code in a single app
(eg. call_external passes 64 bit pointers to the DLL while the DLL expects
32 bit ones).

regards,
lajos
