
Subject: Re: importing .dll files

Posted by [Jean H.](#) on Tue, 20 Oct 2009 00:45:14 GMT

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Cindy wrote:

> Hello,

>

> I have a dynamic linked library (created in Visual Fortran) and I am

> trying to use the call_external procedure to use one of the

> subroutines, however, I am unclear on the error messages I am getting.

>

> IDL>dll_file_name=' C:\Program Files\Microsoft Visual Studio

> \MyProjects\test\Debug\test.dll'

not sure if it is your problem, but you have 2 spaces between Visual and Studio...

Jean

Subject: Re: importing .dll files

Posted by [Wout De Nolf](#) on Tue, 20 Oct 2009 07:45:20 GMT

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On Mon, 19 Oct 2009 16:06:00 -0700 (PDT), Cindy
<cgoethel@igpp.ucla.edu> wrote:

> Hello,

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> I have a dynamic linked library (created in Visual Fortran) and I am

> trying to use the call_external procedure to use one of the

> subroutines, however, I am unclear on the error messages I am getting.

>

> IDL>dll_file_name=' C:\Program Files\Microsoft Visual Studio

> \MyProjects\test\Debug\test.dll'

> IDL> result=call_external(dll_file_name, 'aoc', r)

> CALL_EXTERNAL: Error loading sharable executable.

> Symbol: aoc, File = C:\Program Files\Microsoft Visual Studio\MyProjects

> \test\Debug\test.dll

> The specified procedure could not be found.

>

> Does the above mean

> 1. it can't access/open/interpret the .dll file and hence can't find

> the procedure

> or

> 2. just can't find the procedure in the library

When it doesn't find the library, it gives this message:
% CALL_EXTERNAL: Error loading sharable executable.
Symbol: aoc, File = test.dll
The specified module could not be found.

In your case, it finds the dll, but doesn't find the aoc procedure.

One of the problems I can think of is "name decoration". Use the Dependency Walker (google it and download) to check whether the export function aoc has some strange characters appended to it.

Subject: Re: importing .dll files
Posted by [Haje Korth](#) on Tue, 20 Oct 2009 12:27:21 GMT
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My guess too is that you forgot to export the function in the dll.
That is the main difference to sharable object (so) libraries in linux, where you do not need this step.

On Oct 20, 3:45 am, Wox <s...@nomail.com> wrote:
> On Mon, 19 Oct 2009 16:06:00 -0700 (PDT), Cindy
>
>
>
> <cgoet...@igpp.ucla.edu> wrote:
>> Hello,
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>> trying to use the call_external procedure to use one of the
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>> Does the above mean
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> When it doesn't find the library, it gives this message:
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> The specified module could not be found.
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> In your case, it finds the dll, but doesn't find the aoc procedure.
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> One of the problems I can think of is "name decoration". Use the
> Dependency Walker (google it and download) to check whether the export
> function aoc has some strange characters appended to it.
