

---

Subject: problem with DLM using external DLL  
Posted by [markb77](#) on Tue, 08 Sep 2015 16:20:33 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

hi,

I've created a DLM in which I make calls to other functions stored in other DLL files. Let's say that my dlm consists of the following files: MYDLM.DLM and MYDLM.DLL. Within MYDLM.DLL, there is a call to a function that resides within the SECOND.DLL library.

I try to load my dlm with the following command:

```
DLM_LOAD, 'C:\mypath\MYDLM.DLM'
```

This fails with the following error:

```
% DLM_LOAD: Error loading sharable executable.  
      Symbol: IDL_Load, File = C:\mypath\MYDLM.dll  
      The specified module could not be found.  
% Execution halted at: $MAIN$
```

However, everything loads correctly and works fine IF I copy the file SECOND.DLL into the binary directory of IDL, meaning the same directory in which idl.exe resides.

Why can't IDL find the SECOND.DLL, which is referenced in MYDLM.DLL? In this case SECOND.DLL is in the same path as MYDLM.DLL, i.e. 'C:\mypath\'.

Adding C:\mypath\ to the IDL\_DLM\_PATH or to IDL\_PATH does not help.

Does anyone have a suggestion? Copying the SECOND.DLL file to the IDL root directory does not seem like a good solution.

thanks  
Mark

---

Subject: Re: problem with DLM using external DLL  
Posted by [Michael Galloy](#) on Tue, 08 Sep 2015 16:37:15 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On 9/8/15 10:20 AM, superchromix wrote:

```
>  
> hi,  
>  
> I've created a DLM in which I make calls to other functions stored in  
> other DLL files. Let's say that my dlm consists of the following  
> files: MYDLM.DLM and MYDLM.DLL. Within MYDLM.DLL, there is a call  
> to a function that resides within the SECOND.DLL library.
```

>  
> I try to load my dlm with the following command:  
>  
> DLM\_LOAD, 'C:\mypath\MYDLM.DLM'  
>  
> This fails with the following error:  
>  
> % DLM\_LOAD: Error loading sharable executable. Symbol: IDL\_Load, File  
> = C:\mypath\MYDLM.dll The specified module could not be found. %  
> Execution halted at: \$MAIN\$  
>  
> However, everything loads correctly and works fine IF I copy the file  
> SECOND.DLL into the binary directory of IDL, meaning the same  
> directory in which idl.exe resides.  
>  
> Why can't IDL find the SECOND.DLL, which is referenced in MYDLM.DLL?  
> In this case SECOND.DLL is in the same path as MYDLM.DLL, i.e.  
> 'C:\mypath\'.  
>  
> Adding C:\mypath\ to the IDL\_DLM\_PATH or to IDL\_PATH does not help.  
>  
> Does anyone have a suggestion? Copying the SECOND.DLL file to the  
> IDL root directory does not seem like a good solution.

I believe on Windows (I am not a Windows expert!) that the PATH environment variable also is used as the equivalent to LD\_LIBRARY\_PATH. So you should be able to add the directory of second.dll to your PATH (via the Control Panel on Windows) and then it will be found.

I agree copying second.dll to the IDL directory is a bad idea, but check out all the stuff that is probably in your C:\Windows\System32 directory some day.

Mike

--

Michael Galloy

[www.michaelgalloy.com](http://www.michaelgalloy.com)

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

---

Subject: Re: problem with DLM using external DLL  
Posted by [Haje Korth](#) on Wed, 09 Sep 2015 11:14:09 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I set my DLM Path in windows under Preferences->IDL->Paths under Select Path->DLM Path and it works for me.

On Tuesday, September 8, 2015 at 12:20:37 PM UTC-4, superchromix wrote:

> hi,  
>  
> I've created a DLM in which I make calls to other functions stored in other DLL files. Let's say that my dlm consists of the following files: MYDLM.DLM and MYDLM.DLL. Within MYDLM.DLL, there is a call to a function that resides within the SECOND.DLL library.  
>  
> I try to load my dlm with the following command:  
>  
> DLM\_LOAD, 'C:\mypath\MYDLM.DLM'  
>  
> This fails with the following error:  
>  
> % DLM\_LOAD: Error loading sharable executable.  
>       Symbol: IDL\_Load, File = C:\mypath\MYDLM.dll  
>       The specified module could not be found.  
> % Execution halted at: \$MAIN\$  
>  
> However, everything loads correctly and works fine IF I copy the file SECOND.DLL into the binary directory of IDL, meaning the same directory in which idl.exe resides.  
>  
> Why can't IDL find the SECOND.DLL, which is referenced in MYDLM.DLL? In this case SECOND.DLL is in the same path as MYDLM.DLL, i.e. 'C:\mypath\'.  
>  
> Adding C:\mypath\ to the IDL\_DLM\_PATH or to IDL\_PATH does not help.  
>  
> Does anyone have a suggestion? Copying the SECOND.DLL file to the IDL root directory does not seem like a good solution.  
>  
> thanks  
> Mark

---