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Subject: How do I distribute a dll with my vm sav file?  
Posted by [Vince Hradil](#) on Tue, 22 Apr 2008 22:39:00 GMT  
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I'm kind of new to this dll thing - I've created a dll that works fine for me - I just put it in C:\Program Files\ITT\IDL70\bin\bin.x86 et voila!

Now I want someone else to use my sav file - but what do I do with the dll? I tried putting it in the bin directory on that machine...

Can you tell I really don't know what I'm doing?

TIA - Vince

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Subject: Re: How do I distribute a dll with my vm sav file?  
Posted by [David Fanning](#) on Wed, 23 Apr 2008 02:13:20 GMT  
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Vince Hradil writes:

> I'm kind of new to this dll thing - I've created a dll that works fine  
> for me - I just put it in C:\Program Files\ITT\IDL70\bin\bin.x86 et  
> voila!  
>  
> Now I want someone else to use my sav file - but what do I do with the  
> dll? I tried putting it in the bin directory on that machine...  
>  
> Can you tell I really don't know what I'm doing?

I don't know what I'm doing either, but I can't imagine this working in any other way than \*all\* the files being in the same location on disk or CD-ROM or whatever.

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: How do I distribute a dll with my vm sav file?  
Posted by [Robbie](#) on Wed, 23 Apr 2008 07:10:56 GMT

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I've found that putting DLMs in the IDL path or current working directory to occasionally work depending on the IDL version, OS, shell and environment variables. For example, I can't get a DLM to load from the IDL Workbench on OS X, yet it works fine using the idl command line.

The only guaranteed way is to put the DLM and shared object in the same place as the idl executable binary.

For example:

```
C:\Program Files\ITT\IDL70\bin\bin.x86
/Applications/itt/idl70/bin/bin.darwin.i386
/usr/local/itt/idl70/bin/bin.linux.x86
```

If you compiled it as 64 bit then you need to place them in the 64 bit directory and run 64 bit idl. For example:  
/usr/local/itt/idl70/bin/bin.linux.x86\_64

You must compile your module separately for each platform and architecture.

If you are planning on distributing for windows then I would recommend writing a batch file or Windows Installer (WIX) to copy the DLM to the required location.

I hope this helps. Please let me know if there is an easier way, because I'm going to be distributing a cross platform DLM soon as well.

Robbie

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Subject: Re: How do I distribute a dll with my vm sav file?  
Posted by [Allan Whiteford](#) on Wed, 23 Apr 2008 08:35:59 GMT  
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Robbie wrote:

```
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> directory to occasionally work depending on the IDL version, OS, shell
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> required location.  
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> I hope this helps. Please let me know if there is an easier way,  
> because I'm going to be distributing a cross platform DLM soon as  
> well.  
>  
> Robbie

Maybe it's not helpful but I use the IDL\_DLM\_PATH environment variable/preference.

I've never done anything cross-platform with it though.

Copying files into a users IDL installation directory seems a bit rude and won't usually work on UNIX unless the person has root privileges.

Thanks,

Allan

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Subject: Re: How do I distribute a dll with my vm sav file?  
Posted by [Vince Hradil](#) on Wed, 23 Apr 2008 14:32:13 GMT  
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On Apr 23, 3:35 am, Allan Whiteford  
<allan.rem...@phys.remove.strath.ac.remove.uk> wrote:  
> Robbie wrote:  
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>> directory to occasionally work depending on the IDL version, OS, shell  
>> and environment variables. For example, I can't get a DLM to load from  
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> I've never done anything cross-platform with it though.  
>  
> Copying files into a users IDL installation directory seems a bit rude  
> and won't usually work on UNIX unless the person has root privileges.  
>  
> Thanks,  
>  
> Allan

This is all very interesting - I haven't tried it yet, but it seems  
that I need to copy the .dlm file as well (have I told you I really  
don't know what I'm doing). I found this:  
<http://www.ittvis.com/services/techtip.asp?l=English&ttid=4142> which  
is pretty nice. Also, I think I need to RTFM.

Thanks everyone.  
Vince

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Subject: Re: How do I distribute a dll with my vm sav file?  
Posted by [Michael Galloy](#) on Wed, 23 Apr 2008 14:41:42 GMT  
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On Apr 23, 2:35 am, Allan Whiteford

> Maybe it's not helpful but I use the IDL\_DLM\_PATH environment  
> variable/preference.

I use the IDL\_DLM\_PATH environment for the command line as well. I would use the IDL\_DLM\_PATH preference (set using PREF\_SET), but it doesn't seem to work for me on the command line (IDL 7.0, Mac OS X).

The Workbench doesn't seem to honor the environment variable though, so I set the DLM path from the preferences of the Workbench (which I think is using PREF\_SET).

I wish I could set this in one place, but I haven't been able to yet.

> I've never done anything cross-platform with it though.  
>  
> Copying files into a users IDL installation directory seems a bit rude  
> and won't usually work on UNIX unless the person has root privileges.

Yes, I don't think you should do this unless there is no other way.

Mike

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[www.michaelgalloy.com](http://www.michaelgalloy.com)  
Tech-X Corporation  
Software Developer II

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Subject: Re: How do I distribute a dll with my vm sav file?  
Posted by [Michael Galloy](#) on Wed, 23 Apr 2008 17:25:23 GMT  
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On Apr 23, 8:32 am, Vince Hradil <[hradil...@yahoo.com](mailto:hradil...@yahoo.com)> wrote:

> This is all very interesting - I haven't tried it yet, but it seems  
> that I need to copy the .dlm file as well (have I told you I really  
> don't know what I'm doing). I found  
this:<http://www.ittvis.com/services/techtip.asp?l=English&amp;p;ttid=4142> which  
> is pretty nice. Also, I think I need to RTFM.

Ah, yes read the External Developer's Guide, it's actually not too bad. Also, buy Ronn's "Calling C and C++" book; it has a lot of great examples in it.

Mike

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www.michaelgalloy.com  
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