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Subject: Re: Save file creation rules of the road

Posted by [Robert Moss, PhD](#) on Sat, 20 Feb 2010 05:12:25 GMT

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On Feb 18, 8:23 am, David Fanning <n...@dfanning.com> wrote:

> Rob writes:

>> I'm trying to create a distributable IDL save file via IDLDE > Project  
>>> "Build Project". A save file was created without error -- some  
>> initial complaints were issued, then automatically resolved. I then  
>> restored this save file in a new IDL cli session. All expected  
>> functions and procedures were listed, via "restore, /verbose" and  
>> "help"; see below. However, an attempt to run one of the restored  
>> procedures yielded the annoying "Variable is undefined:  
>> SPIDR\_ASCII\_GET\_META.... EXCEPTION..." I've experienced this before  
>> and the hack I employed wasn't pretty. It involved compiling  
>> (via .compile) all functions and procedures I thought I needed and  
>> creating a save file somewhat manually, then a sacrificial lamb and a  
>> kabuki dance. Thus, I suppose I've never really learned how to create  
>> a proper save file with just the functionality I need. Can someone  
>> point me in the right direction?

>

> I had something like this happen to me just the other day,  
> too. In my case, I had two functions and the second was being  
> called inside the first to provide a parameter for the first.  
> Both the functions were named correctly in their respective  
> files, and both resided in the coyote directory, which is  
> ALWAYS on my IDL path.

>

> But every time I would run this program after starting up  
> IDL, it would barf on the same line. Said it couldn't find  
> that second embedded function! I don't think I had ever  
> seen this happen before in IDL.

>

> In any case, I inserted a STRICTARR compile option into  
> that program module, and the problem went away. I wonder  
> if something changed in the way IDL resolves functions?

>

> 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.")

It might be a compile order issue. I use COMPILE\_OPT IDL2 in nearly

everything (which includes STRICTARR as David mentioned), so it is rarely a problem for me, but if this is not for you try compiling the second embedded function before the first when creating your save file. That will usually fix it.

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