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Subject: Re: New free DLL for calling Python from IDL!  
Posted by [Haje Korth](#) on Tue, 04 Mar 2014 13:34:15 GMT  
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I agree, bittage of IDL and Python have to match, I ran into that problem first yesterday. However, for me slither does not load 32 bit python on 32-bit IDL 8.2.3. It does load on IDL 8.3.

Maybe Chris does have a point with the changes in the API. Maybe the changes are such that only some functionality is affected. That would explain why my own DLMs run without chnages across these DLM versions.

On Tuesday, March 4, 2014 8:22:20 AM UTC-5, Helder wrote:

> On Tuesday, March 4, 2014 2:00:51 PM UTC+1, Jason Ferrara wrote:

>

>> Is there any error message before the crash? If the workbench is closing right away before you get a chance to see any error messages try running from command line IDL.

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>> On Tuesday, March 4, 2014 3:29:51 AM UTC-5, Helder wrote:

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>>> On Tuesday, March 4, 2014 6:38:24 AM UTC+1, Chris Torrence wrote:

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>>>> On Monday, March 3, 2014 7:18:19 PM UTC-7, Jeff N. wrote:

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>>>> > Unfortunately, I cannot get the DLM to load on either of my windows machines :( I have a
32-bit win8 machine, and a 64-bit win7 machine. Both are running IDL 8.2 and Python 2.7
(Specifically, the Python(x,y) installation). In both cases, attempting to call pyimport() to import any
python module crashes IDL. It happens pretty quickly, so i feel like it's something simple, but not
sure.
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>>>> I believe that the DLM was built against IDL 8.3. It won't work against earlier versions of IDL because the symbol tables have changed. So you'll need to upgrade your IDL version before it will work.

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>>>> For future versions of IDL, I'm trying to not change the symbol tables. So hopefully, when
IDL 8.3.x comes out, we won't need a new build of Slither. I can't guarantee it, but that's the plan.
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>>> Hi,
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>>> I have the same problem as Jeff (sudden crash when calling pyimport()).
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>>> Using 8.3:
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>>> IDL> !VERSION
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>>> {
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>>> ARCH: "x86_64",
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>>> OS: "Win32",
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>>> OS_FAMILY: "Windows",
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>>> OS_NAME: "Microsoft Windows",
>
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>
>>> RELEASE: "8.3",
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>
>>> BUILD_DATE: "Nov 15 2013",
>
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>>> MEMORY_BITS: 64,
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>>> FILE_OFFSET_BITS: 64
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>>> }
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>>> Any ideas?
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>>> Cheers,
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>>> Helder
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> Dear Jason,
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>  
> thank for looking into this. No, there is no message. Simply closes the IDL DE. In the command line the same happens.  
>  
>  
>  
> IDL>np = pyimport("numpy")  
>  
>  
>  
>  
>  
> C:\Program Files\Exelis\IDL83\bin\bin.x86\_64>  
>  
> C:\Program Files\Exelis\IDL83\bin\bin.x86\_64>python --version  
>  
> Python 2.7.5  
>  
>  
>  
> C:\Program Files\Exelis\IDL83\bin\bin.x86\_64>python  
>  
> ..  
>  
>>> import numpy as np  
>  
>>>  
>  
>>> exit()  
>  
>  
>  
>  
> So, I get no "%Loaded DLM:xxx" message or any other info.  
>  
>  
>  
>  
> I went a bit further and installed the 32-bit version in the 32-bit IDL directory and in this case I could use python...  
>  
>  
>  
>  
> My guess at this moment is that I was using IDL 64-bit and trying to use 32-bit Python. (To check the version just type python at the command line)  
>  
> 32-bit IDL works fine (as far as I tested) with 32-bit python.  
>  
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> Cheers,  
>  
> Helder

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