
Subject: Re: Error in IDL-Python Bridge

Posted by [chuxiangning](#) on Tue, 08 Sep 2015 17:26:09 GMT

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Dear Paulo and Chris,

Thanks for your answers. I checked the folder bin.linux.x86_64, there's no file named python27.so. There are idl_python27.dll and idl_python27.dlm.

When I run the following command, I have no problem:

```
dlm_load,'python27'
```

When I run python.import, I got an error below:

```
plt = Python.Import('matplotlib.pyplot')
```

```
% PYTHON_IMPORT: Exception: /usr/local/exelis/idl85/bin/bin.linux.
```

```
    x86_64/idl: undefined symbol: Py_DecRef.
```

```
% Execution halted at: $MAIN$
```

Just FYI, I've included my system path.

```
echo $PATH
```

```
/PowerEdge/xchu/anaconda/bin:/PowerEdge/xchu/anaconda:/usr/l
```

```
ib64/qt-3.3/bin:/usr/local/bin:/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/sbin:/home/xnchu/bin
```

```
echo $PYTHONPATH: /usr/local/exelis/idl/bin/bin.linux.x86_64:/usr/local/exelis/idl/lib/bridges
```

```
echo $LD_LIBRARY_PATH
```

```
:/PowerEdge/xchu/anaconda/lib:/usr/local/exelis/idl/bin/bin.linux.x86_64
```

On Tuesday, September 8, 2015 at 8:20:57 AM UTC-7, Chris Torrence wrote:

> On Monday, September 7, 2015 at 7:17:13 PM UTC-6, Paulo Penteado wrote:

>> On Sunday, September 6, 2015 at 9:02:04 PM UTC-3, chu xiangning wrote:

```
>>> plt = Python.Import('matplotlib.pyplot')
```

```
>>> Error:
```

```
>>> % PYTHON_IMPORT: Exception: No module named PySide.
```

```
>>> % Execution halted at: $MAIN$
```

```
>>>
```

```
>>> I don't have problems running "ran = Python.Import('numpy.random')".
```

```
>>> I don't have problem running in ipython "import matplotlib.pyplot".
```

```
>>>
```

```
>>>
```

```
>> I have seen this exact problem when using a current Anaconda Python, both with Python 2.7 and 3.4. This seems to happen because PySide was dropped in recent versions of Anaconda:
```

```
>>
```

```
>> "Version 2.0 reduces the size of the installers, adds installers for Python 3.4, updates over 40 packages, and moves from PySide to PyQt"
```

```
>> http://continuum.io/blog/anaconda-2-released
```

```
>>
```

```
>> In the case of Anaconda Python 2.7, I can solve it with its installer:
```

```
>>
```

```
>> conda install pyside
>>
>> In the case of Anaconda's Python 3.4, PySide does not seem to be in their repository, so I
installed it with pip:
>>
>> pip install pyside
>>
>> However, this still does not fix, for me, all the problems with using matplotlib from IDL. What I
get next is
>>
>> IDL> plt = Python.Import('matplotlib.pyplot')
>> % Loaded DLM: PYTHON27.
>> % PYTHON_IMPORT: Exception: /usr/local/exelis/idl85/bin/bin.linux.x86_64/idl: undefined
symbol:
>>         Py_DecRef.
>>
>> I still did not have a chance to look further into this.
>
> Hi Paulo,
>
> That sounds like a path issue, either with $PATH or $LD_LIBRARY_PATH. That Py_DecRef is
part of the C API for Python, and should be found within the python27.so.
>
> Best of luck!
>
> -Chris
```
