Subject: Re: IDL-Python Bridge: problem with the ENVI function.
Posted by Jim Pendleton on Wed, 23 Mar 2016 17:49:13 GMT
View Forum Message <> Reply to Message

On Wednesday, March 23, 2016 at 9:57:37 AM UTC-6, lore...@gmail.com wrote:
> For Jim P.
> The sintax msi_raster=e.OpenRaster(msi_file) generate the same lti_dsdk.dll error.
>
> On Wednesday, March 23, 2016 at 3:37:48 PM UTC+1, Jim P wrote:
>> On Wednesday, March 23, 2016 at 5:46:29 AM UTC-6, lore...@gmail.com wrote:
>>> Hi all,
>>> my aim is to use a script written in IDL, into python:
>>>
>>> IDL code:
>>>
>>>   PRO PS_GS
>>>   ; Start the application
>>>   e = ENVI()
>>>   ;Generate the roi from a vector file
>>>   ; Open a vector file
>>>   file_vec = Filepath('Sic_Trapani.shp', ROOT_DIR = 'E:\mydirectory\')
>>>   vettore = e.OpenVector(file_vec)
>>>   ; Get the task from the catalog of ENVITasks
>>>   Task_VtoR = ENVITask('VectorRecordsToROI')
>>>   ; Define inputs
>>>   Task_VtoR.INPUT_VECTOR = vettore
>>>   ; Define outputs
>>>   Task_VtoR.OUTPUT_ROI_URI = Filepath('roi_roi.xml', ROOT_DIR = 'E:\mydirectory\')
>>>   ;Run the task
>>>   Task_VtoR.Execute
>>>   END
>>>
>>> The above code, launched into IDL command prompt, works correctly.
>>> I want make a python script that:
>>>
>>> - option 1) launch the above idl .pro script
>>> - option 2) use the IDL to Python Bridge sintax.
>>>
>>> In the first case, using the `subprocess.call("idldirectory\idl.exe")` command, i can open the
IDL prompt into the windows command prompt. But i can not execute any IDL function like a
simple `PRINT, 'hello'`.
>>>
>>> In the second case, i write the following poython code:
>>>
>>>   import subprocess
>>>   from subprocess import call
>>>   import idlpy
>>>   from idlpy import IDL

```
>>>     e=IDL.ENVI()
>>>     msi_file = """IDL.Filepath(mydata.tif", ROOT_DIR = 'mydirectory')"""
>>>     msi_raster = IDL.OpenRaster(msi_file)
>>>
>>> The instruction `e=IDL.ENVI()` work correctly, in fact an Envi setion starts.
>>>
>>> The instruction `msi_file = """IDL.Filepath(mydata.tif", ROOT_DIR = 'mydirectory')"""` work
correctly.
>>>
>>> My problem is with the OpenRaster instruction. It is an ENVI instruction and not an IDL
instruction. So, IDL.OpenRaster does not work, and i do not have any solutions.
>>>
>>> I have modified the code like:
>>> msi_raster=IDL.ENVI().OpenRaster(msi_file)
>>> The result is the following error message:
>>> Impossible find the access point
>>>  ??0LTISceneBuffer@LizardTech@@QEAA@AEBVLTIPixel@1@IIPEAPEAX@ Z
>>> into the dynamic link library lti_DSDK.dll
>>>
>>> Googling i have found this site:
>>> Malware scan of gdal110.dll
>>> Any help or suggestion? Thanks
>>
>> You have a reference to the ENVI object in your variable "e".  Use this syntax instead:
>>
>> msi_raster = e.OpenRaster(msi_file)
>>
>> Jim P
```

This must be a platform specific bug. The LizardTech library is a 3rd party tool used to handle certain types of image compression.

Is the msi_raster object reference valid, in spite of the error message?

If you haven't done so already, please report this issue to support@exelisvis.com, along with the information about your platform and the format of the file you are attempting to read.

Jim P.