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Subject: Re: IDL-Python Bridge: problem with the ENVI function.

Posted by [loreberna](#) on Wed, 23 Mar 2016 15:57:33 GMT

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For Jim P.

The syntax `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 syntax.

>>

>> 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
```

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