
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 sintax.  
>>  
>> In the first case, using the `subprocess.call("idl\directory\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@IPEAPEAX@ Z
>> into the dynamic link library Iti_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
```
