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

Posted by [loreberna](#) on Wed, 23 Mar 2016 11:46:26 GMT

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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