Subject: GDAL spawn library conflict
Posted by Christopher Anderson on Tue, 22 Dec 2015 22:23:22 GMT

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Hello,

I am trying to use IDL's spawn to call OGR/GDAL binaries but am experiencing some conflicts in the libraries IDL points to. It will call the executable I want, but it finds OGR/GDAL library references that were not part of the current GDAL build. They appear to be the ones that come installed with IDL. An example:

$ ogrinfo -al all_calibration_plots.shp | head -5
INFO: Open of `all_calibration_plots.shp'
    using driver `ESRI Shapefile' successful.

Layer name: all_calibration_plots
Geometry: Polygon
Feature Count: 81

$ idl
IDL> spawn,'ogrinfo -al all_calibration_plots.shp | head -5'
ogrinfo: /usr/local/itt/idl/idl80/bin/bin.linux.x86_64/libgdal.so.1: no version information available (required by ogrinfo)
ERROR 1: ogrinfo was compiled against GDAL 1.10 but current library version is 1.6

Any way to get around this? I'm guessing its a path reference we need to change somewhere.

Subject: Re: GDAL spawn library conflict
Posted by Jim Pendleton on Wed, 23 Dec 2015 03:09:27 GMT

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On Tuesday, December 22, 2015 at 3:23:25 PM UTC-7, Christopher Anderson wrote:
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> Any way to get around this? I'm guessing its a path reference we need to change somewhere.

Depending on the flavor of Linux, you may need to appending your shell's LD_LIBRARY_PATH
onto the beginning of your SPAWN command, or spawn a script that's responsible for setting
LD_LIBRARY_PATH first.

Compare and contrast :
$ echo $LD_LIBRARY_PATH

IDL> print, getenv('LD_LIBRARY_PATH')

Jim P.

Subject: Re: GDAL spawn library conflict
Posted by Christopher Anderson on Wed, 23 Dec 2015 18:28:52 GMT
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Jim,

Thank you much for this. It was a conflict with LD_LIBRARY_PATH, which I just changed using
the SETENV command to the library path I needed.

:D!