
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:

> 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.

Depending on the flavor of Linux, you may need to append 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.
