Subject: Re: Problems of IDL search path and runtime source file compilation or saved routines restoration.

Posted by David Fanning on Tue, 01 Jul 2003 14:08:41 GMT

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TIAN Yunfeng writes:

- > I use IDL 5.6 in Redhat Linux 7.3. There is a user function called
- > flt img which returns the common file suffix. The flt img.pro file
- > locates in my own directory (/home/idl/src/flt_img.pro). I appended
- > the /home/idl/src directory to the IDL !PATH variable. But when I
- > called this function, such as
- print,flt_img() >
- > I got:
- > % Syntax error.
- > After I open flt_img.pro and compile it, it works fine. The expected
- > result is:
- ENVI>print,flt img()
- *.img *.dat *.jpg *.bil *.jpeg *.bmp *.tif *.png *.gif *.hdf *.raw
- > *.lan *.pix

- > My question is does IDL in Linux not support searching through !PATH
- > for the target .pro file and then compiling it when called from other
- > thread?

No, IDL supports !Path file searching, even in Linux. The problem is elsewhere.

- > In Microsoft Windows XP, it works like this:
- > ENVI> print,flt img()
- > % Compiled module: FLT IMG.
- > *.img *.dat ...

> Why IDL in Linux does not compile the flt_img.pro file when be called?

I can think of several possibilities:

- 1. The PATH is not set up exactly as you describe. How did you set it up? Did you check it? How? A small typo here can cause havoc. :-)
- On your Windows machine you may have a version of FLT_IMG in your current directory and it is this version that is being called, not the one you think is being called. After you compile the function automatically, use HELP, /SOURCE to see where it was found. Is this were you expect it to be found?
- 3. On your Linux machine, the PATH contains *another* file

named FLT_IMG that is different from the one you are trying to find. It is finding this one first. Change the order of the directories on your path. Does this make a difference?

Cheers,

David

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