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

Posted by [tianyf_cn](#) on Thu, 03 Jul 2003 03:51:41 GMT

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Thanks David.

I have figure out where the problem lies. In linux, the file name and corresponding routine name should be in lowcase. Otherwise IDL cannot find the .pro file.
