Subject: Re: Plot function failing!

Posted by Jim Pendleton on Thu, 17 Mar 2016 16:25:46 GMT

View Forum Message <> Reply to Message

On Thursday, March 17, 2016 at 10:14:40 AM UTC-6, Med Bennett wrote:
> On Thursday, March 17, 2016 at 10:13:24 AM UTC-6, Med Bennett wrote:
>> On Thursday, March 17, 2016 at 9:40:35 AM UTC-6, Jim P wrote:
>>> On Thursday, March 17, 2016 at 9:31:16 AM UTC-6, Med Bennett wrote:
>>>> Another example, straight from the documentation:
>>>>
>>>> IDL> junk = SIN(2.0*FINDGEN(200)*!PI/25.0)*EXP(-0.02*FINDGEN(200))
>>>> IDL> myPlot = plot(junk)
>>>>
>>>> In this case, nothing happens at all - no plot, no plot window, no error message.
>>>
>>> I would guess your !path has been compromised.
>>>
>>> IDL> print, routine_info('plot', /source, /function)
>>> { PLOT C:\Program Files\Exelis\IDL85\lib\graphics\plot.pro}
>>>
>>>
>>> Jim P.
>>
>> I just tried this, no luck:
>>
>> IDL> print,routine_info('plot',/source,/function)
>> % Attempt to call undefined function: 'PLOT'.
>> % Execution halted at: $MAIN$
>>
>> I also just uninstalled and reinstalled IDL 8.5.1, still doing the same thing.
>
> Interestingly, calls to contour() work fine.

Are you making any changes to !path manually, in code? You might want to check your syntax that you're using the correct path separator, for example.

If you're making changes in the Workbench Preferences, make sure they're valid and you haven't deleted the default IDL path.

On your platform, check for the presence of plot.pro. It should be installed. On Windows, by default, it's in C:\Program Files\Exelis\IDL85\lib\graphics\plot.pro, for example.

If the file is present, the implication is !path is mangled.

Try this:

IDL> (!path).split(path_sep(/search))

You should see a list of almost 50 directories that begins with entries like this:

C:\Program Files\Exelis\IDL85\lib\bridges
C:\Program Files\Exelis\IDL85\lib\datatypes
C:\Program Files\Exelis\IDL85\lib\dicomex
C:\Program Files\Exelis\IDL85\lib\e3de
C:\Program Files\Exelis\IDL85\lib\enterprise\ese
C:\Program Files\Exelis\IDL85\lib\graphics
C:\Program Files\Exelis\IDL85\lib\hook
C:\Program Files\Exelis\IDL85\lib\imsl
C:\Program Files\Exelis\IDL85\lib\itools\components