Subject: Re: .trace not working? Posted by BLemire@ittvis.com on Wed, 05 Aug 2009 21:16:58 GMT View Forum Message <> Reply to Message

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On Aug 5, 2:13 pm, Bruce Bowler <bbow...@bigelow.org> wrote:
> Environment IDL 7.0 (and 7.1) on fedora 10 (and fedora 11), 32 bit version
>
  Imagine, if you will, a simple .pro file such as the following (never
  mind that this doesn't really do anything)...
>
       pro test1
>
        x = randomn(seed1, 16)
>
        y = randomn(seed2, 16)
>
        plot, x, y
>
       end
>
  Now imagine that you fire up IDL and type the following commands at the
  IDL> prompt
>
       breakpoint,"test1.pro",2
>
       test1
>
  and further, attempt to stretch you imagination to the point that, when
  you get to the IDL prompt as a result of the breakpoint, you type
>
>
       .trace
  You, of course, type that particular command because the documentation
  says, and I quote,
>
>
       .TRACE - Similar to .CONTINUE, but displays each line of code
>
            before execution.
>
  but when you hit the return key at the end of .trace, you see no
  additional outputting of code prior to executing each line of code.
>
  Where have you gone wrong???
>
>
  Bruce
                   | I am free of all prejudices; I hate everyone
 Bruce Bowler
                   | equally. - W. C. Fields
> 1.207.633.9600
> bbow...@bigelow.org |
  +-----
Bruce,
```

Based on the documentation in IDL 70 and IDL 71 the following description is provided for the .TRACE command:

"The .TRACE command continues execution of a program that has stopped because of an error, a stop statement, or a keyboard interrupt."

This definition was located in

IDL API Reference Guides > IDL Reference Guide > Part I: IDL Command Reference > Dot Commands

This documentation is different than that which would be available in printed form. The change from the definition you had to the new definition occurred in IDL 4.0.1 for exactly the reason you provided. I hope that this helps.

Based on the implementation of the .TRACE command, it is only supposed to complete executing the code. I was able to get the code to complete as expected. It might be helpful if a verbose keyword was added to the .TRACE command so that each line of code was output prior to execution.

Best Regards,

Brandon