
Subject: Re: IDL Workbench Ignoring Breakpoints
Posted by [Vince Hradil](#) on Thu, 24 Apr 2008 21:15:09 GMT
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On Apr 24, 3:44 pm, David Fanning <n...@dfanning.com> wrote:

> Folks,
>
> Has anyone noticed the IDL Workbench ignoring breakpoints?
> I have this happening to me right this minute on a UNIX
> machine running IDL 7.0.1. I have a breakpoint in the file
> at line 172. I confirm this both in the edit window (where
> the blue dot shows in the channel on the left) and in the
> Breakpoint view. I save the file. I compile the file. I
> run the file. It crashes on line 173 after passing through
> the breakpoint without stopping!
>
> I've noticed this before, but usually I can get the breakpoint
> to "take" by unsetting it and setting it again. I've been trying
> to get this damn file to stop for 10 minutes now. Aaauuughhh!
>
> Any ideas how I might have gotten into this state?
>
> Cheers,
>
> David
>
> P.S. A "STOP" works. Sigh...
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Yes - I've noticed this. One time it was because IDL was compiling
and using a different file (same name) than the one I had open in the
editor. That darn PATH thing...

Subject: Re: IDL Workbench Ignoring Breakpoints
Posted by [peter.n.kupferman](#) on Thu, 24 Apr 2008 21:42:45 GMT
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On Apr 24, 5:15 pm, Vince Hradil <hrad...@yahoo.com> wrote:

> On Apr 24, 3:44 pm, David Fanning <n...@dfanning.com> wrote:
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>
>

```

>
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> Yes - I've noticed this. One time it was because IDL was compiling
> and using a different file (same name) than the one I had open in the
> editor. That darn PATH thing...- Hide quoted text -
>
> - Show quoted text -

```

I have experienced the identical problem. ITTVIS tech support reported it as a bug, but said it may be hard to fix.

Here is the test code and comments they sent me. Sometimes the breakpoints do work and sometimes the code will even ignore a coded stop.

From ITTVIS:

I was wondering if when you set the breakpoints there is already a widget running, is that your case?.

We have found the following that could be relevant to your case, let

me know if you can reproduce this example and if this has something to do with the way you are setting up your breakpoints:

- 1)Launch the Workbench
- 2)Create a program with the following contents:

```
pro test_modal_event,ev
help,ev
print,'set breakpoint after widget is running'
end
```

```
pro test_modal
wBase=widget_base(/row)
wButton=widget_button(wBase)
widget_control,wBase,/realize
xmanager,'test_modal',wBase ;,/no_block
end
```

- 3)Save, compile, and run
- 4)A widget with a button appears (notice that IDL command line is greyed out)
- 5)Click the button
- 6)Receive a print out stating set breakpoint after widget is running
- 7)Keep the widget up, but go to the editor and set a breakpoint on the following line:
print,'set breakpoint after widget is running'
- 8)Click on the button, and expect IDL to stop at the breakpoint, but it doesn't

Subject: Re: IDL Workbench Ignoring Breakpoints
Posted by [David Fanning](#) on Thu, 24 Apr 2008 22:16:04 GMT
[View Forum Message](#) <> [Reply to Message](#)

peter.n.kupferman@aero.org writes:

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- > it as a bug, but said it may be hard to fix.
- > Here is the test code and comments they sent me. Sometimes the
- > breakpoints do work and sometimes the code will even ignore a coded
- > stop.

I guess I could understand if a widget program was involved. At least I can imagine the Workbench being confused about what event loop it was in. But I have one file open in the Workbench and I am running code that should result in a plot. I wish to stop after I open the window for the plot, but before I actually draw the plot. (I'm trying to examine

the data to see why it is being plotted incorrectly.)

It really is a pretty simple set-up. No widgets, nothing else going on. Weird.

Cheers,

David

--

David Fanning, Ph.D.
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Subject: Re: IDL Workbench Ignoring Breakpoints
Posted by [peter.n.kupferman](#) on Thu, 24 Apr 2008 22:34:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Apr 24, 6:16 pm, David Fanning <n...@dfanning.com> wrote:

> peter.n.kupfer...@aero.org writes:

>> I have experienced the identical problem. ITTVIS tech support reported

>> it as a bug, but said it may be hard to fix.

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> --

> David Fanning, Ph.D.

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David,

Unfortunately, your situation is the same as mine. In fact, if you set the `no_block` keyword in their test code, the breakpoint does work, and I almost always set it in my programs. At least they are aware of some issues related to setting breakpoints, but I can't find a repeatable pattern when I have problems.
