
Subject: Re: Help from UNIX IDL 7.1 Users
Posted by [penteado](#) on Wed, 19 Aug 2009 02:26:02 GMT
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On Aug 18, 8:17 pm, David Fanning <n...@dfanning.com> wrote:

> Folks,
>
> I am looking for someone running a UNIX version of
> IDL 7.1 to confirm that the problem described in
> this article dealing with Dialog_Pickfile has
> been fixed.
>
> http://www.dfanning.com/fileio_tips/unixpickfile.html
>
> Specifically, if you specify both a file name and
> a path when you call Dialog_Pickfile, and then do
> nothing else except hit the Accept button, the file name
> that is returned has two paths appended to it and is
> bogus.
>
> I am interested in what is in the Selection box,
> and what is returned.

In IDL 7.1 in Linux, I see the path with the file appended to it in the selection box, and the return value when I just accept it is correct.

Subject: Re: Help from UNIX IDL 7.1 Users
Posted by [Mike\[2\]](#) on Wed, 19 Aug 2009 16:56:31 GMT
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On Aug 18, 7:17 pm, David Fanning <n...@dfanning.com> wrote:

> I am interested in what is in the Selection box,
> and what is returned.

Hi David,

I think that the include-the-path-in-the-Selection-box behavior has been there for a long time - at least since 5.4. I've always treated it as an annoying platform-dependence rather than a bug.

I tried your example on 5.4, 6.3, 7.0 and 7.1

```
theDirectory = '/disks/arctic6_raid/fanning/june_2007_162/mod09/'  
theFile = 'channel_4_mosaic.png'  
selectedFile = Dialog_Pickfile(FILE=theFile, PATH=theDirectory)
```

The dialogs look like this:

http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-5.4.png

http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-6.3.png

http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-7.0.png

http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-7.1.png

and the return value for your example is '/disks/arctic6_raid/fanning/
june_2007_162/mod09/channel_4_mosaic.png' with IDL 5.4, 6.3, 7.0, 7.1:

```
IDL> help, !version, /structure
** Structure !VERSION, 7 tags, length=44:
  ARCH      STRING  'x86'
  OS        STRING  'linux'
  OS_FAMILY  STRING  'unix'
  RELEASE    STRING  '5.4'
  BUILD_DATE STRING  'Sep 25 2000'
  MEMORY_BITS INT     32
  FILE_OFFSET_BITS
```

```
IDL> help, !version, /structure
** Structure !VERSION, 8 tags, length=104, data length=100:
  ARCH      STRING  'x86_64'
  OS        STRING  'linux'
  OS_FAMILY  STRING  'unix'
  OS_NAME    STRING  'linux'
  RELEASE    STRING  '6.3'
  BUILD_DATE STRING  'Mar 23 2006'
  MEMORY_BITS INT     64
  FILE_OFFSET_BITS
                INT     64
```

```
IDL> help, !version, /structure
** Structure !VERSION, 8 tags, length=76, data length=76:
  ARCH      STRING  'x86'
  OS        STRING  'linux'
  OS_FAMILY  STRING  'unix'
  OS_NAME    STRING  'linux'
  RELEASE    STRING  '7.0'
  BUILD_DATE STRING  'Oct 25 2007'
```

```

MEMORY_BITS    INT        32
FILE_OFFSET_BITS
               INT        64
IDL> help, !version, /structure
** Structure !VERSION, 8 tags, length=76, data length=76:
ARCH           STRING    'x86'
OS             STRING    'linux'
OS_FAMILY      STRING    'unix'
OS_NAME        STRING    'linux'
RELEASE        STRING    '7.1'
BUILD_DATE     STRING    'Apr 21 2009'
MEMORY_BITS    INT        32
FILE_OFFSET_BITS
               INT        64

```

Mike

Subject: Re: Help from UNIX IDL 7.1 Users
 Posted by [David Fanning](#) on Wed, 19 Aug 2009 17:25:22 GMT
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Mike writes:

> I think that the include-the-path-in-the-Selection-box behavior has
 > been there for a long time - at least since 5.4. I've always treated
 > it as an annoying platform-dependence rather than a bug.

Well, you are probably younger than I am. :-)

> I tried your example on 5.4, 6.3, 7.0 and 7.1
 >
 > theDirectory = '/disks/arctic6 RAID/fanning/june_2007_162/mod09/'
 > theFile = 'channel_4_mosaic.png'
 > selectedFile = Dialog_Pickfile(FILE=theFile, PATH=theDirectory)
 >
 >
 > The dialogs look like this:
 >
 > http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-5.4.png
 >
 > http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-6.3.png
 >
 > http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-7.0.png
 >
 > http://mypage.iu.edu/~mmiller3/IDL/dialog_pickfile-7.1.png
 >

>
> and the return value for your example is '/disks/arctic6_raid/fanning/
> june_2007_162/mod09/channel_4_mosaic.png' with IDL 5.4, 6.3, 7.0, 7.1:

Well, that is interesting. My test case was actually different from
the case I wrote in the article. My test case was this:

```
IDL> dir = '~/IDL/coyote'  
IDL> file = 'fsc_surface.pro'  
IDL> Print, Dialog_Pickfile(FILE=file, PATH=dir)  
/home/fanning/IDL/coyote/~/IDL/coyote/fsc_suface.pro
```

Which is obviously wrong. So maybe it is just a bug in
how wildcards are handled. Anyway, it sure looks and feels
like a bug to me. :-)

Cheers,

David

P.S. Can you check the test case above in IDL 7.1 and let me
know what you see? It will probably help with my report to
ITTVIS. You will probably have to substitute your own
directories for mine.

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Help from UNIX IDL 7.1 Users
Posted by [penteado](#) on Wed, 19 Aug 2009 19:35:06 GMT
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On Aug 19, 2:25 pm, David Fanning <n...@dfanning.com> wrote:
> Well, that is interesting. My test case was actually different from
> the case I wrote in the article. My test case was this:
>
> IDL> dir = '~/IDL/coyote'
> IDL> file = 'fsc_surface.pro'
> IDL> Print, Dialog_Pickfile(FILE=file, PATH=dir)
> /home/fanning/IDL/coyote/~/IDL/coyote/fsc_suface.pro
>
> Which is obviously wrong. So maybe it is just a bug in

> how wildcards are handled. Anyway, it sure looks and feels
> like a bug to me. :-)
>
> Cheers,
>
> David
>
> P.S. Can you check the test case above in IDL 7.1 and let me
> know what you see? It will probably help with my report to
> ITTVIS. You will probably have to substitute your own
> directories for mine.
>

Indeed, it messes up the result when there is a wildcard in the path:

```
IDL> dir=~/*idl*
IDL> file='readcube.pro'
IDL> print,dialog_pickfile(file=file,path=dir)
/home/penteado/idl/~/*idl*/readcube.pro
```

When I tested it before I had used an absolute path, and that was returned correctly:

```
IDL> dir='/home/penteado/idl'
IDL> print,dialog_pickfile(file=file,path=dir)
/home/penteado/idl/readcube.pro
```

But it also messes it up with a relative path:

```
IDL> cd,'/home/penteado'
IDL> dir='idl'
IDL> print,dialog_pickfile(file=file,path=dir)
/home/penteado/idl/idl/readcube.pro
```

Though with other flavours of relative paths the results are ugly-looking but valid:

```
IDL> dir='./idl'
IDL> print,dialog_pickfile(file=file,path=dir)
/home/penteado/./idl/readcube.pro
```

```
IDL> dir='../penteado/idl'
IDL> print,dialog_pickfile(file=file,path=dir)
/home/penteado/../penteado/idl/readcube.pro
```

Subject: Re: Help from UNIX IDL 7.1 Users

Posted by [Mike\[2\]](#) on Thu, 20 Aug 2009 14:23:44 GMT

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On Aug 19, 1:25 pm, David Fanning <n...@dfanning.com> wrote:

> Well, you are probably younger than I am. :-)

Maybe - plus I'm used to oddities in the unix/linux and unused to the idea that a software company might actually act on bug reports.

Either way, you inspire me to heights of idealism and usefulness in the world. :-)

> P.S. Can you check the test case above in IDL 7.1 and let me
> know what you see? It will probably help with my report to
> ITTVIS. You will probably have to substitute your own
> directories for mine.

Except for the inexplicable expansion to my username, instead of yours, I saw the same result:

```
IDL> dir = '~/IDL/coyote'
IDL> file = 'fsc_surface.pro'
IDL> Print, Dialog_Pickfile(FILE=file, PATH=dir)
/home/mmiller3/IDL/coyote/~/IDL/coyote/fsc_surface.pro
```

Interesting that we both have ~/IDL/coyote directories ;-)

Mike

```
IDL> help, !version, /structure
** Structure !VERSION, 8 tags, length=76, data length=76:
  ARCH      STRING  'x86'
  OS        STRING  'linux'
  OS_FAMILY STRING  'unix'
  OS_NAME    STRING  'linux'
  RELEASE    STRING  '7.1'
  BUILD_DATE STRING  'Apr 21 2009'
  MEMORY_BITS INT     32
  FILE_OFFSET_BITS
                INT     64
```

Subject: Re: Help from UNIX IDL 7.1 Users

Posted by [David Fanning](#) on Thu, 20 Aug 2009 15:35:40 GMT

Mike writes:

- > Maybe - plus I'm used to oddities in the unix/linux and unused to the
- > idea that a software company might actually act on bug reports.

Well, given the amount of effort I had to go to to even convince anyone there might be a **problem**, let alone a bug, I wouldn't put too much hope in a rapid solution. (Shouldn't technical support people be **required** to read the e-mails we send them!)

- > Either way, you inspire me to heights of idealism and usefulness in
- > the world. :-)

We all need more hope. Lord knows there is a deficiency in the world!

Cheers,

David

--

David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Help from UNIX IDL 7.1 Users
Posted by [Bruce Bowler](#) on Thu, 20 Aug 2009 17:12:21 GMT
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On Wed, 19 Aug 2009 11:25:22 -0600, David Fanning wrote:

- > P.S. Can you check the test case above in IDL 7.1 and let me know what
- > you see? It will probably help with my report to ITTVIS. You will
- > probably have to substitute your own directories for mine.

I'm sure coyote noticed this, but `file_search` has an option to `/expand_tilde`.

Perhaps that could be used in some manor or fashion to solve the problem "graciously" (like beating ITTVIS over the head :-)

Bruce
