

---

Subject: cd bug in IDL 5.5

Posted by [Wolfgang.Dobler](#) on Mon, 03 Jun 2002 15:29:24 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Has anybody encountered this one before:

```
idl> cd, '../..'
```

only moves one directory up under IDL 5.5 (5.4 was OK).

The problem is that I have (and need) '../..idl' in my !path; is there a workaround to get this directory -- which may vary, depending on where I currently am -- still included into !path ?

W o l f g a n g

--

```
-----  
| Wolfgang Dobler,   Kiepenheuer Institute for Solar Physics |  
| http://www.kis.uni-freiburg.de/~dobler/                   |  
-----
```

---

Subject: Re: cd bug in IDL 5.5

Posted by [crono15m](#) on Mon, 17 Jun 2002 17:47:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

> another, perhaps, bug i have discovered is that the file\_expand\_path  
> expands from the current working directory (not very handy :x ), not the  
> actual directory where the file might be. It should issue a warning if that  
> file does not exist in the current directory, something like:

I too have noticed that file\_expand\_path doesn't work the way you would hope it would. As a solution I wrote my own "search" program that looks for a file and returns the full path to it. It will look outside of the working directory. It returns an array of all paths fitting 'filename'. It's probably not perfect but it works.

Hope this helps,

Ben Hilldore  
Hope College Nuclear Research Group

```
function getFilePath, filename  
  dirs = expand_path('+c:\', /all_dirs, /array)
```

```
filenames = strarr(n_elements(dirs))
for i = 0,n_elements(dirs)-1 do begin
filenames[i] = findfile(dirs[i] + '\' + filename)
endfor
return, filenames[where(strlen(filenames) gt 1)]
end
```

---

---

Subject: Re: cd bug in IDL 5.5  
Posted by [R.Bauer](#) on Tue, 18 Jun 2002 07:02:06 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Ben wrote:

```
>
>> another, perhaps, bug i have discovered is that the file_expand_path
>> expands from the current working directory (not very handy :x ), not the
>> actual directory where the file might be. It should issue a warning if that
>> file does not exist in the current directory, something like:
>
> I too have noticed that file_expand_path doesn't work the way you
> would hope
> it would. As a solution I wrote my own "search" program that looks for
> a file
> and returns the full path to it. It will look outside of the working
> directory. It returns an array of all paths fitting 'filename'. It's
> probably not perfect but it works.
>
> Hope this helps,
>
> Ben Hildore
> Hope College Nuclear Research Group
>
> function getFilePath, filename
>   dirs = expand_path('+c:\', /all_dirs, /array)
>   filenames = strarr(n_elements(dirs))
>   for i = 0,n_elements(dirs)-1 do begin
>     filenames[i] = findfile(dirs[i] + '\' + filename)
>   endfor
>   return, filenames[where(strlen(filenames) gt 1)]
> end
```

Dear Ben,

it could be easier to use file\_which

```
x=file_which('mean.pro')
print,x
```

```
/usr/local/idl/idl/lib/mean.pro
```

```
fpe=file_path_name_ext(x)
```

```
print,fpe.path  
/usr/local/idl/idl/lib/
```

```
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl  
_html/dbase/download/file_path_name_ext.tar.gz
```

For further routines and licensing please have a look at  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)

regards

Reimar  
--  
Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-I)  
Forschungszentrum Juelich  
email: R.Bauer@fz-juelich.de

-----  
a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)  
=====

---

Subject: Re: cd bug in IDL 5.5  
Posted by [crono15m](#) on Tue, 18 Jun 2002 15:21:13 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

```
> Dear Ben,  
>  
> it could be easier to use file_which  
>  
> x=file_which('mean.pro')  
> print,x  
> /usr/local/idl/idl/lib/mean.pro  
>  
> fpe=file_path_name_ext(x)  
>  
> print,fpe.path  
> /usr/local/idl/idl/lib/
```

Reimar,

You're right, if file\_which worked correctly it would be easier (and faster) to use. Unfortunately, in win2k it doesn't seem to work right. Here are some examples.

If you are in the IDL working directory it works fine.

```
IDL> print, file_which('copyToClipboard.exe')
```

```
C:\BEN_HILLDORE\KVI\KVI_PROGRAMS\Support Programs\copyToClipboard.exe
```

Now i'll move that file to 'c:\gs'

```
IDL> print, file_which('c:\', 'copyToClipboard.exe')
```

It returns a null.

If I specify the path directly to it, it works.

```
IDL> print, file_which('c:\gs', 'copyToClipboard.exe')
```

```
c:\gs\copyToClipboard.exe
```

This routine seems to suffer from the same problem as expand\_file\_path.

Ben Hilldore

Hope College Nuclear Research Group

---

---

Subject: Re: cd bug in IDL 5.5

Posted by [crono15m](#) on Tue, 18 Jun 2002 15:22:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

```
> Dear Ben,  
>  
> it could be easier to use file_which  
>  
> x=file_which('mean.pro')  
> print,x  
> /usr/local/idl/idl/lib/mean.pro  
>  
> fpe=file_path_name_ext(x)  
>  
> print,fpe.path  
> /usr/local/idl/idl/lib/
```

Reimar,

You're right, if file\_which worked correctly it would be easier (and faster) to use. Unfortunately, in win2k it doesn't seem to work right. Here are some examples.

If you are in the IDL working directory it works fine.

```
IDL> print, file_which('copyToClipboard.exe')
```

```
C:\BEN_HILLDORE\KVI\KVI_PROGRAMS\Support Programs\copyToClipboard.exe
```

Now i'll move that file to 'c:\gs'

```
IDL> print, file_which('c:\', 'copyToClipboard.exe')
```

It returns a null.

If I specify the path directly to it, it works.

```
IDL> print, file_which('c:\gs', 'copyToClipboard.exe')
```

```
c:\gs\copyToClipboard.exe
```

This routine seems to suffer from the same problem as `expand_file_path`.

Ben Hilldore

Hope College Nuclear Research Group

---

---

Subject: Re: cd bug in IDL 5.5

Posted by [R.Bauer](#) on Tue, 18 Jun 2002 16:51:30 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Ben wrote:

>

>> Dear Ben,

>>

>> it could be easier to use `file_which`

>>

>> `x=file_which('mean.pro')`

>> `print,x`

>> `/usr/local/idl/idl/lib/mean.pro`

>>

>> `fpe=file_path_name_ext(x)`

>>

>> `print,fpe.path`

>> `/usr/local/idl/idl/lib/`

>

>

> Reimar,

> You're right, if `file_which` worked correctly it would be easier (and faster)

> to use. Unfortunately, in win2k it doesn't seem to work right. Here are some

> examples.

>

> If you are in the IDL working directory it works fine.

> IDL> `print, file_which('copyToClipboard.exe')`

```
> C:\BEN_HILLDORE\KVI\KVI_PROGRAMS\Support Programs\copyToClipboard.exe
>
> Now i'll move that file to 'c:\gs'
>
> IDL> print, file_which('c:\', 'copyToClipboard.exe')
> It returns a null.
>
> If I specify the path directly to it, it works.
>
> IDL> print, file_which('c:\gs', 'copyToClipboard.exe')
> c:\gs\copyToClipboard.exe
>
> This routine seems to suffer from the same problem as expand_file_path.
```

Dear Ben,

this is correct, but I agree it's really bad described.

I will do a feature request for using an array of pathes  
without concatenation by strjoin.

I have this tested on unix and I hope I have transformed this right  
for windows.

```
path=get_dir_tree('c:\',level=10)
path='c:\'+path
path=strjoin(path,';') ; it's : on unix
```

```
print,file_which(path,'copyToClipboard.exe')
c:\gs\copyToClipboard.exe
```

[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_source/idl\\_html/dbase/download/get\\_dir\\_tree.tar.gz](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/get_dir_tree.tar.gz)

hope this helps.

Reimar

```
>
> Ben Hildore
> Hope College Nuclear Research Group
```

--

Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-I)  
Forschungszentrum Juelich  
email: R.Bauer@fz-juelich.de

-----  
a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg1/idl\\_icglib/idl\\_lib\\_intro.h tml](http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html)  
=====

---