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 ?

Wolfgang

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 0
```

```
Posted by R.Bauer on Tue, 18 Jun 2002 07:02:06 GMT
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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
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> it would. As a solution I wrote my own "search" program that looks for
> 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
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 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

Subject: Re: cd bug in IDL 5.5 Posted by crono15m on Tue, 18 Jun 2002 15:21:13 GMT

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```
> 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
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> 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
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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/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/'convToCliphoard evo'\
- > 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 concatination 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:\qs\copyToClipboard.exe
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 Hilldore
> 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